

FRENDX

United States — United Nations

SUPERPOWER RADIO
KUSW WORLDWIDE

KUSW (Comm.)

ADDR: P.O. Box 7040, Salt Lake City, UT 84107.
L.P.: Gen. Mgr: Ralph J. Carlson. Exec. VP: Allan D. Haglie. Frn:
Hex N. Carlson.

STATION: KUSW 100KW

kHz	H. of tr.
5980	0900-1200
6010	0700-0900
6185	0500-0700

kHz	H. of tr.
11980	0000-0200
15225	1600-1900

SUPERPOWER KUSW CHAR
JOHN BOY

Background on Superpower KUSW

Superpower KUSW officially went on the air December 26, 1987. Our transmitter is a Harris SW 100 B model (100,000 Watts). The signal is fed through an open wire line to a TCI Model 515-3 Log periodic antenna aimed at 70 degrees true towards Ontario, Canada. This antenna has a beam width on either side of 45 degrees. About 10% of the signal radiates off the side and back.

SUPERPOWER RADIO
KUSW WORLDWIDE

**FROM THE WEST TO
THE WORLD!**

Salt Lake City, Utah — United States of America

2:00
2:20
2:40

12:00 Noon
3:00 PM
5:00 PM
8:00 PM

11.715
11.580
11.680
9.755
6.135
9.850
2.75

Satur
Sign-



ANARCON 1988

World Friendship Thru Radio Communications
July 13 - 16, 1988 in Irvine, California

HOTEL REGISTRATION INFORMATION

The Holiday Inn is within minutes of Orange County Airport, Newport Beach, Disneyland, Knott's Berry Farm and Anaheim Stadium. If shopping is on your agenda, take a complimentary ride to South Coast Plaza, where Saks Fifth Avenue, Nordstrom, I. Magnin and over one hundred other specialty shops await you.

Start your day with breakfast at the Cafe California, where you'll discover an eye-opening buffet. Dinner at the Cafe California is an experience you won't want to miss. For an unforgettable evening, savor delectable Cajun specialties prepared with an authentic Louisiana-style accent, or enjoy regional California cuisine.

HOTEL SERVICES:

- Courtesy airport shuttle to Orange County.
 - Entertainment and complimentary Hors D'oeuvres in the lounge.
 - Complimentary in-room movies.
 - Complimentary shuttle service to South Coast Plaza Mall.
 - Complimentary bicycles - Explore the surrounding bike paths which follow various routes through a wildlife preserve to the Pacific Ocean.
 - Complimentary shuttle service to Corona del Mar State Beach.
 - Fitness center.
-

REGISTRATION CARD ENCLOSED

Accommodations: Note: 8% tax will be added to the room prices.

SINGLE (1 B - 1 P) = \$60.00

DOUBLE (1 B - 2 P) = \$70.00

EXTRA PERSON = \$10.00

When you send in your reservations card, please keep this section for the following reminders:

1. Space is held until June 13, 1988 for your group. Reservations will be taken if space is available after that date.
2. First night's deposit is required to guarantee your room reservation.
3. 48 - hour cancellation notice is necessary for refund of deposit.
4. Check in: 4 pm & Checkout: Noon
5. Room charges, tax and incidentals to be paid upon departure.
6. Non-smoking sleeping rooms are available.

CONTACT

March 1988

Spring is distinctly in the air. This, of course, is both good and bad. The beginning of Spring marks the decline of the DX season. Don't forget, though, to balance against that, the rising solar-flux index: the upper bands will begin to open up this year and, please, oh, please, relieve the crowding on the lower bands. Well, enough of this palaver—let's get to the letters.

From CONTACT faithful correspondent, *Cathy Turner* (Yonkers, New York), comes a nice account of a holiday experience and an interesting newspaper clipping:

I had the particularly rewarding experience this holiday season of introducing a young teenager to SW. As most of those near and dear to me (and SWLs in general, I guess) regard my hobby as a strange disorder, watching this boy become captivated by the voices from a box was a better gift than my sister-in-law's new "tennis bracelet." (Mind you, Santa left me an EEB 2020. Not bad at all.)

We usually exchange gifts with this family. Not great expensive gifts, just fun things. Their eldest boy is almost thirteen and very bright. We gifted him with a Radio Shack AM-SW Radio Kit. I honestly didn't believe he'd get much of anything on it, but he'd have fun putting it together. By the end of the evening, we had antenna wire strung all over the room, and he was logging stations left and right!! Several days later, he called to tell me how fantastic the radio was. As soon as he had hung up, I was wrapping my old Sony 7600A, a copy of WRTH, and my R. New Zealand International good luck charm. His mother said he's been in "Radio Heaven" ever since he received it. He's used it for school reports, French class ("Gabon is REALLY RAD, Aunt Cathy"), etc. And all my boy says is "Big deal. Wait till he hears those weird cows in Africa."

I enclose a copy of a clipping from the New York Times. It's not as deep as the last one I sent.

I've been catching SWL Net on Sunday Mornings. Good listening—everyone should try to listen!!

Anybody going to the SWL Fest? It looks like fun, but we can't make it. I'm trying to convince my crew into a Maine woods vacation, so I can do some DXing away from the big city.

Have a bright and prosperous 1988.

The two newspaper articles (from the 17 January edition of the New York Times) are companion pieces. The first is entitled "On Stopping The Music..." and concerns two small, 10-watt, campus radio stations at the University of Massachusetts at Amherst. "The FCC informed school administrators that WSYL and WOCH, [...] radio stations that broadcast to two clusters of dormitories, were illegal because they were unlicensed. [9] Had the school not voluntarily shut down the stations, it could have faced up to \$2,000 a day in fines and its administrators could, at least in theory, be prosecuted and imprisoned for at least one year, said Victor J. Tagliaferro of the agency's enforcement division in Boston." It seems that there was a misunderstanding: when someone from the university stations called the FCC, they were apparently told that stations of less than 100 watts did not need to be licensed. In any event, the stations are small, built from used equipment and things you could buy at radio shack. Obviously, a case of brazen pirates caught in a big operation.

It is heartening to see the agencies of the government so fastidious, nay, zealous in the carrying out of their mandates. After all, you never know when 20 watts could cause the better part of society to run amok. "It's serious to us because they can possibly result in interference with authorized services, which could involve safety to life," Mr. Tagliaferro said. Indeed.

The second article is really wonderful, and I give it in its entirety and without comment—it is entitled "...and Wishing They Could":

Hull is a very tuned in place but some residents of this town on the south shore of Boston Harbor are not pleased with the distinction

Anne. M. Scully, for one. Her radiator, organ, and telephones all carry the sounds of WBZ, a 50,000-watt AM radio station that since 1939 has had two 500-foot transmitters about

a quarter of a mile from where her house now stands.

"When I first moved here four years ago, my granddaughters stayed over and got up at 3 in the morning saying, 'Grandma, you have people in the wall,'" she said. "It was WBZ in the radiator."

"I have a phone that isn't even plugged in. When I wave my hand over it, BZ comes in loud and clear, but we don't get it on the microwave or toilets like some of my neighbors."

In the December edition of CONTACT, Ronald Karlsson noted some difficulty in getting Radio Finland to reply to his letters and reception reports. Edward Rubin (Port Chester, New York) has gotten some information from them, as he tells us:

[...] I received a letter and program schedule from them in 14 days; no QSL card. Enclosed please find a copy of the letter they sent me in which they discuss future formats and the resumption of their Finnish-by-Radio course.

It is interesting to note that R. Finland also has an American address—Radio Finland, Box 462, Windsor, Connecticut 06905—and an '800 telephone number' which can be dialed from anywhere in the USA—800-221-YLEX (9539). You receive a recorded message giving their transmission schedules to North America and at the end of the message, a chance to leave a message....]

P.S. I have a problem with responses from Radio Exterior de España, Spanish Foreign Radio, from Madrid, Spain.

From Chuck Boehnke (Keaau, Hawaii) come a brief letter with a very interesting clipping from Radio World:

Saw the enclosed article (letters) just as I was throwing away some RWs that were piling up. Looks like Mr. Norman may be planning another "scam" since NDXE seems to be dead. Lord help us all!

Why don't we have regional shortwave broadcasting in the U.S.A.? Toss this one around a bit!

Chuck concludes his letter with the very nice Hawaiian wish for Hau'oli makahiki hou (Happy New Year) to which I may add my wishes for ola loa a me hau'oli.

I confess that I am absolutely fascinated by Chuck's question about regional SW broadcasting in the U.S.A. Indeed, why not? The answer, of course, lies in the history of broadcasting in this country. Early on, the unit of marketing for radio was the city-region surrounding a station. Still, you would have thought that the advantages of being able to broadcast to the entire country from one place (i.e., transmitter site) would have been almost too attractive to resist. Certainly, the advantages of SW would have been undeniable in a country as large as ours; technology posed no problem. The problem these days would be, I imagine, that of fidelity. We here in the U.S.A. are spoiled by a perfection of broadcast sound that is unequalled in virtually the entire world. Shortwave, particularly as presently constituted (5kHz channel separation), would have a tough time keeping up especially in the face of apparently dwindling interest in most kinds of talk on the radio (save the dreaded call-in type). It is an interesting question—any takers. If not, I'll have more to say on this topic in a later column.

No, I don't think Mr. Norman is planning another...er...venture into...er...broadcasting. His letter to Radio World (December 1, 1987, p. 5) is simply a kind of summing up of the plans VOA has to modernize its broadcasting facilities, though why Mr. Norman took it upon himself to relay this information, I don't know. I note with interest that he places his name over the following title: "Founder, Global Radio Corp., Opelika, AL." I would reprint the letter, but you have seen all the information that it contains at other times in FRENDX. By the way, has anyone heard anything else of Mr. Dixon? Keep CONTACT informed if you have.

We turn next to a letter from Henry J. Michalenka (11 Elizabeth Ann Drive, Johnston, Rhode Island 02919 — a neighbor!). I am pleased that we have here a consideration of a number of issues that we have considered here in CONTACT.

I am sending in these comments directed towards the CONTACT column in FRENDX (which is excellent, by the way), but am also sending this to a group of old (excuse me, "veteran") DX friends of mine whom I have had the pleasure to meet over the years.

Firstly, let me tell you a bit about myself. Although at the ripe old age of thirty-five, I am a senior member of NASWA, with the good fortune to belong for over twenty years! I started Dx life in high school, and was quite active in the club and hobby for about five or six years, getting to the point where I was a column co-editor and arranger of a NASWA special DX program on Cook Islands. I have been inactive in the hobby for the past about fifteen years, through marriage,

education, career, other interests, and plain lethargy. I have recently become active again, thanks (?) to becoming unemployed through corporate reorganization. It has taken me a while to get my target lists together, sharpen my cerebral filter, and shake the cobwebs, but it is coming back. I have logged 175 countries on the NASWA country list over the years, and presently use a GILFER modified FRG-7.

Some comments addressing various topics which have stirred in FRENDEX over the last couple years...

First, why don't more members participate? to me the answer is quite obvious: putting it non-diplomatically, they don't have anything to participate with! I would say that out of the nominal two thousand members, NASWA has two hundred active DXers (not SWLs). Most information available from SWLs would not be of interest to logging editors (and eventually to the QSL editor), so it is not included. No judgements, just a statement. I suspect the vast majority of our members listen to six to ten countries on a regular basis, strictly for program content. I would say that in the past few years NASWA has provided more information through schedules for the SWL to appreciate.

Second, in spite of a lot of comments to the contrary, it is not necessary for a lot of members to participate! Looking at FRENDEX ten or fifteen years ago you would have seen the loggings section dominating the bulletin, followed by the QSL section, then the Shortwave Center. Now, the dominant feature is Listener's Notebook, which I find the most helpful section but requiring minimal member input, since most of the information comes from the BBC. This section far outshines the loggings for usefulness (and especially for appearance).

Another reason for non-participation is the number of groups of DXers on topical/regional interest. When time is limited, people will prioritize. There is nothing wrong with these groups of DXers, either. It is usually these people who ferret out the hot information and send it along to the DX clubs. This leads to one peripheral source of information per group, rather than a larger group of individuals participating.

Curious to me is why I see QSLs for countries that never appear in the log section, and to some extent, the reverse. I wonder if we should go to a central distribution editor for both logs and QSLs, reported on [in] one form/format to ease reporting.

The appearance of FRENDEX could also be improved. There are a lot of words spelled incorrectly and typographical errors in our bulletin. Ideally, I would like to see all editors supplied with a PC [or, let me emphatically suggest, a Macsgml] that uses a spelling-checker, along with a letter quality printer. I am trying not to lose sight that we are a club (semi-casual), but we could do a lot better.

NASWA has been and still is a great organization. We have seen reflected in FRENDEX over the years the people who have begun to make a living from the DX hobby. Some of those people used actively to participate in NASWA and no longer do so. I think it is great that the hobby can support these people monetarily, which was only a dream twenty years ago. I think in the future we will see much more use of the computer in DXing, and I'm glad to see a computer column in FRENDEX. I just purchased Bill Cole's "SWL Database+" and highly recommend it!

I think the committee to preserve old QSLs is a great idea, and I'm happy to see my DX-friend Jerry Berg in charge. Something similar should be done with turning over old radios no longer in use/needed/wanted, perhaps as a fund-raising idea to support various projects (no, not like your travelling transmitter; I'd laugh at a group of us hiking through the jungle to steal back our own transmitter from an unfriendly broadcaster!) Also, we need some kind of New England DXpedition down to the beach to get Tristan!

Well, that's it for CONTACT in March. PageMaker2 assembled the column; typeface is ITC Garamond. We want to hear from you! There were a lot of fascinating and compelling topics in this column—address them and give us the benefit of your knowledge and considered opinions!

DX'ers Forum

Conducted by:
Chuck Rippel
1272 Parkside Place
Virginia Beach, VA 23454

E-Mail: ODDX or ACE BBS
ID = Chuck Rippel
Deadline: 17th of the month



March, 1988

The month of January and first of February was really a fantastic period from a DX perspective. The countries of Greenland, Laos, Nepal, Thailand and the new NASWA country of Katanga are being logged reliably by DX'ers. Ye ED logged the Turkish State Meteorological Service on 6.900, at 0514 GMT on 01/30, a station I have been waiting many years to hear.

By the time you are able to read this, it may be a little late in the season to count on conditions to support reception of some of these more difficult stations but, give them a try. Here are some hints on how to add these goodies to your heard list:

Greenland, Kalaallit Nunaata Radioa. The frequency here is 3.999. There are a couple of times to try depending on the day of the week. On weekdays, they sign on at 0955 with an interval signal then into sign on announcements. On Sundays GMT, they sign on an hour later at 1055. The later Sunday sign on gives you an opportunity to "sleep in." Hi! Neil Wolfish has been lucky enough to hear the sign off at 0308* on two different weekdays. (FT #459)

Laos, Lao National Radio from Savannakhet has been heard on 7.383.7 at around 1200. At the top of the hour, there are 7 strikes from what must be the largest bells heard on SWBC! West Coast listeners have also reported this station on // 6.130 mixing with NHK Kumamoto.

Nepal, Radio Nepal has been heard here on the East Coast on 5.005. They are in rather a peculiar time zone (UTC + 5:45) which makes "the top of the hour" locally at 1/4 after. Thus, their ID's are at 1215. Listen for time pips, an anthem and an ID at 1215 or so. (NU #941) Our own DX'tra editor, Bob Hill heard them on 3.230 at 0023. The 90 meter outlet is a very difficult one to hear! Congrats!! (January DX'tra)

Thailand, Radio Thailand, external service. Rowland Archer in North Carolina has heard this one rather consistently on 9.655.5. This frequency is full of QRM and a reliable logging of this one is not for the meek. Look for an interval signal at about 1234 and an English ID "This is HSK9, Radio Thailand, External Service" closely following. For those who have heard them and are sending a QSL, try V/S Bubpha Laemjuang, Dir. External Services (NU #939)

Katanga (Zaire) Radio Lubumbashi has been heard in Europe from 0614 - 0629 on 4.752.1. This logging is certainly possible in N.Am. during the winter months. They are also listed as using 7.240 but have not been logged here in a while. (FT #458)

I would like to point out that all of this information has time value. That is to say, the quicker you get it, the more likely that conditions are favorable such that the tip leads the DX'er to the logging. Whether you are an avid DX'er or an aspiring DX'er, having this time valued information is a real help. Of course I recommend our own DX'tra, a mid month summary of NASWA's DX tips. DX'tra is edited by Bob Hill and is only an additional \$4 added to your regular NASWA subscription. A real bargain packed with info!

Fine Tuning is a weekly publication during the DX season and bi-weekly during the "off" season. It is \$.50 per issue with a 10 issue minimum. Write to:

Fine Tuning
P.O. Box 780075
Wichita, KS 67278

I certainly recommend both to keep on top of the DX scene!

This month finds the country of Malaysia in the spotlight. Veteran DX'er Frank Orcutt was kind enough to share some of his knowledge and experience on this area.

DX PROFILE: MALAYSIA

By Frank F. Orcutt

Size and Location

Malaysia is at the southern end of the Malay Peninsula in southeast Asia. The nation also includes Sabah and Sarawak which lie 400 miles away, out across the South China Sea on the north-western coastal area of the island of Borneo. It's area is 130,000 sq. miles, or slightly larger than the state of New Mexico.

Geography and Climate

Most of Malaysia is covered by dense jungle and swamps. Its climate is Equatorial with an average rainfall of 80 to 100 inches. There is a mountain range which runs the length of the peninsula. Extensive forests provide ebony, sandalwood, teak, and other woods.

People and Language

The population of Malaysia is made up of a diversity of races. In descending order they are: Malays, Chinese, Indians, Ibans, Bidayuha, Kadazans, Melanau, Muruts, and Eurasians. The main languages are: Bahasa Malaysia, English, Chinese, and Tamil.

Economy

The monetary unit of Malaysia is the Ringgit (March 1987: 2.58 = \$1 US). Per capita income is just under \$2,000 US. Principal products are: natural rubber, palm oil, and tin. Major industrial products are: processed rubber, timber, and petroleum. Malaysia's major trading partners are Japan, Singapore, and the United States.

History

European traders appeared in the 16th century; Britain established control in 1867. Malaysia was created 16 Sept. 1963. It included Malaya (which had become independent in 1957 after the suppression of communist rebels), plus the formerly-British Singapore, Sabah (N. Borneo), and Sarawak (N.W. Borneo). Singapore was separated in 1965, in order to end tensions between the Chinese, the majority in Singapore, and Malays in control of the Malaysian government. A monarch is elected by a council of hereditary rulers of the Malayan states every 5 years.

HEARING MALAYSIA

West Malaysia

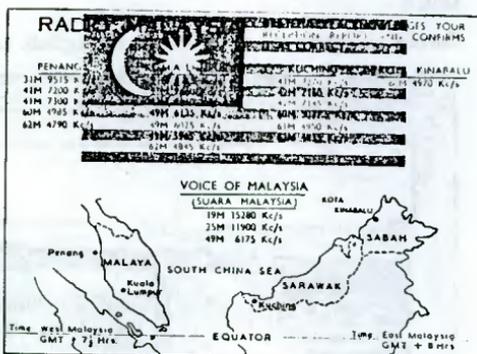
With the single exception of Radio Butterworth, a low powered medium-wave station operated by the Royal Australian Air Force, all radio stations fall under the control of the government controlled Radio Television Malaysia.

Radio Malaysia operates two short-wave sites on the peninsula; Kajang in the south, and Penang in the north. The 50KW Tamil service is often heard on the west coast from around 1000 to its 1500* s/off, and on the eastern side of the US around 1100 or 1200 UTC during the winter. The frequency is 4845 kHz. English can sometimes be heard on 7295 kHz around 1300. This outlet is listed at 100 KW from Kajang. The external service, Voice of Malaysia, used to be well heard on 15295 kHz, at around 0800 on the west coast. The author hasn't heard the 19 meter outlet in a couple of years, but the same English service is occasionally heard on 9750 kHz.

East Malaysia

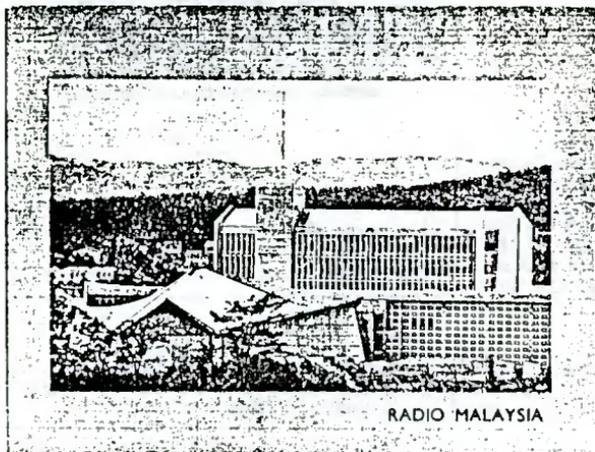
SABAH: Radio Malaysia Kota Kinabalu; the best and almost only shot at hearing this is on 4970 kHz, the times are the same as for Kajang, except that the sign off is an hour later, at 1600. Sabah has an English service on 5980 kHz, from 1345-1400, and from 1415-1530 UTC. This frequency is tough though due to the number of stations which operate on and around it. Both frequencies broadcast with 10 KW.

SARAWAK: Radio Malaysia Kuching, Broadcasts are broken up into "networks". The Red (English/Chinese), Yellow (Bahasa Malaysian/Melanau), Green (Iban), and the Blue (Bidayuh) network. More often than not, good signals can be heard from the Red Network's 10 KW transmitter on 4950 kHz. I find the local news in English at 1400 very interesting.



QSL'S

Correct reception reports, written in English, are promptly verified with a QSL card. Be sure to include a couple of IRC's and direct your report to the Director of Broadcasting. WRTH addresses are correct.



Easy Listening

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

SUNDAY

- 2135-2200 "Coast to Coast" (Radio Canada International). Each week, this program interviews a journalist in a different region of Canada: the Atlantic provinces, Quebec, Ontario, British Columbia etc. The main news stories from the region from the last couple of months are explored. Frequencies are: 17.820 // 7.345 // 11.880.
- 0125-0130 "Question and Answer Session" (Radio Prague). Each week the programme answers, in some detail, a question sent in by a listener. Past programs have featured the history of Czech Coins, the difference between Pilsner and regular beer and Czechoslovakia's donations to UNESCO. Frequencies are: 5.930 // 7.345 // 9.740 // 11.940. The programme is repeated at 0325 on the same frequencies.

MONDAY

- 2210-2230 "News Focus" (World Service Christian Science Monitor). The program does take a slightly longer look at the news stories that do not get coverage in the main International News. Each programme averages about three to four stories. Past stories have included: the attempt to bring Idi Amin to trial, starvation in Mozambique, North Korea's decision to boycott the 1988 Olympics in Seoul and an occasional editorial from the pages of the Christian Science Monitor. Frequencies are: 9.495 Repeated at 0110 and 0310 on 9.850 always in the first hour of WCSM two hour weekday broadcast.
- 0345-0400 "Crosscurrents" (Radio Japan). Each month Radio Japan requests letters from listeners on a different topic then broadcasts them. Past topics have included: "Planning an Old Age," "Reaction to the Worlds Population Reaching 5 Billion" and the January topic of "Dreams for the New Year." The first week usually includes letters primarily from listeners in Japan but subsequent weeks include a more international response, especially from listeners in other Asian countries. Frequency is 5.960.

TUESDAY

- 1235-1245 "Round About the GDR" (Radio Berlin International). This title covers a number of different features related to activities in the German Democratic Republic. Past features have included restoration projects in Berlin, an interview with a construction worker who was awarded a medal as a "Hero of Labor," and an interview with a German Sanskrit professor on the new German translation of the Mahabharata. Frequencies are: 21.540 // 21.465 // 17.880. Repeated at 1400 on the same frequencies.
- 0225-0235 "Trade and Industry" (Radiobras). A number of different features related to Brazil's economics. Past shows have featured the aluminum industry in Brazil, the toy industry, the metal exporting business in general and other features which usually focus on a national industry as a whole rather than on news about specific companies. Frequency is 11.748 and the programme airs every other week.

WEDNESDAY

- 0140-0145 "Inside the U.S.A." (Radio Havana Cuba). This program includes a number of features, all of them unflattering, about life in the United States. Some of these features have been on racism, homelessness and general injustice. Of recent weeks, the programme has only been showing up sporadically on Wednesday nights where before it was a standard feature. When it does show up, it is repeated according to the usual Radio Habana Cuba format at 0340 and 0540. Frequency is 6.140. It is repeated at 0340 and 0540 on the same frequency.
- 0245-0300 "Present Time Education" (RAE). A look at the history and present day status of education in Argentina. Some programmes have focused on higher education and others on secondary or elementary education. Much of the programme is concerned with reading and examining documents and legislation pertaining to education in Argentina. Frequencies are: 9.690 // 11.710. The programme is repeated at 0445 on the same frequencies.

THURSDAY

- 1235-1240 "The Austrian Economy" (ORF). A generalized look at the events making economic news in Austria. Some subjects have included tourism and other industries such as transportation and the convention business. Although officially listed in ORF's schedule as a separate feature programme, it is usually preceded by no specific title at broadcast times; presented simply as another feature story in "Report from Austria." Frequency is 15.320. The programme is broadcast earlier on Wednesday nights GMT at 0135 and 0335 on 9.550.
- 2330-2340 "What do you know about Turkey?" (Voice of Turkey). This programme features listeners responses to the essay contest held by the Voice of Turkey. The presenter simply reads the letters sent in, usually chock full of information about Turkish history, geography and architecture. As you may know, Turkey changes schedules so often, by the time this is seen, the programme may be off the air. Frequency is 9.445 and is repeated at 0430.

FRIDAY

- 0050-0105 "The Church Today" (Vatican Radio). The moral and ethical issues behind the stories in the news. Past programmes have featured elections in Haiti, religious freedom in the Eastern Bloc nations, the assassination of a Peruvian mayor by Shining Path guerrillas and the current unrest in Gaza and other Israeli occupied territories. Frequencies are: 11.780 // 9.605 // 6.150.
- 0235-0245 "Readers Corner" (Radio Cairo). Each week the presenter reads an article about Egypt or the Arab World appearing in an Egyptian magazine. Past articles featured have included subjects on the history of law enforcement in Egypt, Egyptian women involved in politics and the Maritime Academy in Alexandria. Frequencies are 9.475 // 9.675.

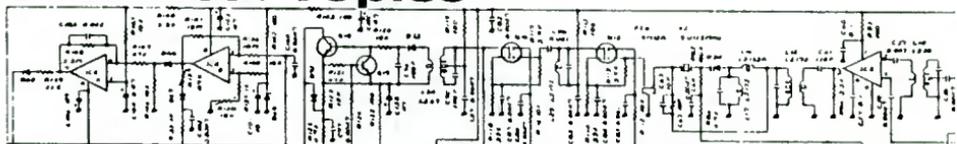
SATURDAY

2310-2330 "Youth in Focus" (Radio Vilnius). A programme devoted to the concerns and activities of Lithuanian young people. One series of programmes featured a panel discussion with a visiting lecturer (from the UK) and a number of Lithuanian students. Other programs include three or four Lithuanian pop/rock songs. Frequencies are 13.645 // 11.860 // 11.780 // 7.400 // 7.165 // 6.200.

0300-0330 "The Sounds of Joy" (HCJB). This programme, taped by the first Baptist Church in San Francisco, features Christian rock music by some of the genre's best known names (like Dallas Homes) and features five or six songs per programme. Of course, there is also religious commentary in "The SOJ Forum" which comes about fifteen or twenty minutes into the programme. There are also a number of ads for free books, pamphlets and the like which are available on request from the church. Frequencies are: 11.775 // 9.720 // 6.230.

* * *

Technical Topics



Editor: T. J. "Skip" Arey, WB2GHA, P.O. Box 644, Waterford Works, NJ 08089-066

THE JOYS OF FATHERHOOD
or
IT'S GOOD TO BE BACK

Meanwhile, our hero returns...

This is as good a place as any to welcome into the world PATRICK JAMES AREY. Born 2 Feb. 1988. You see folks I do have other hobbies! So what have you done lately to sustain the growth of our hobby?

To get back in the swing of things, I will start out with two book reviews (all done, of course, between fatherly tasks).

SHORTWAVE LISTENING HANDBOOK
by HARRY L. HELMS
PRENTICE-HALL, INC.
Englewood Cliffs, NJ 07632

Every time I go over to publisher BILL OLIVER'S house, I find a stack of letters thrust at me. Most of these begin the same way "I am new to SWling and I want to know..."

- a) Where can I get a good receiver on a budget
- b) How can I put up an antenna without anyone complaining?
- c) What can I hear besides RADIO MOSCOW?
- d) How can I get those cute little cards?

Often the handwriting indicates that this new listener is really quite young. Impressionable even! I am left with two courses of action. Writing a lengthy letter that will only halfway answer the novices questions or recommending a book that covers the subject in a clear and comprehensive manner.

As many of you have noticed, 1987 was a banner year for books on "How to do Shortwave Listening". All the major electronics book companies seem to have put out a new title on the subject. I have had the pleasure of reviewing all these fine books in the pages of FRENDOX. It has, however, been my impression that most of these works were geared toward users who already have some minimal knowledge of the hobby. Not really for the totally inexperienced person trying to decide if SW is really the hobby for them.

Enter HARRY L. HELMS and his SHORTWAVE LISTENING HANDBOOK.

Harry's book is the most generally readable of the new wave of "How To" books on our hobby. He gives the reader two introductory chapters in explanation of shortwave listening, what's out there and where it is, before he gets into the subjects of what receiver to buy and what antenna to use. He gets the person's feet wet before they feel the need to run out and drop a small fortune on hardware. If you were a person with no knowledge of SWling you could pick this book off a store or library shelf and, at a glance, become intrigued with the hobby.

This theme follows through the book.

Chapter 6 serves to give the beginner a good look at the major SW broadcasters. Chapter 7 gives the same attention to domestic outlets and how they would be of interest to the SWL.

The book presents the subject matter that is of interest to the beginner as opposed to what an experienced hobbyist might think a beginner wants to know. I think that, on this point alone, it would be an excellent gift for anyone who has noticed your receiver and expressed some interest in the SWL hobby. It won't scare the novice away with over emphasis on the technical aspects of SWling. Think back to when you started out. You could care less about Cardioid Reception Patterns or Exalted Carrier Techniques. You just thought it was nifty to hear all those foreign countries through the electric radio.

243 pages.

SHORTWAVE RECEIVERS PAST AND PRESENT

Edited by FRED OSTERMAN
Universal SW Radio Research
1280 Aida Drive
Reynoldsburg, Ohio 43068

This is the book I have been meaning to write for years. No problem really because FRED OSTERMAN has done a much better job than I could have.

The book is just what the title indicates. Everything you could possibly want to know when trying to decide between over 200 shortwave receivers. Fred has collected the essential data on most available new and used equipment and put it in a form that makes it possible to assure you get the most receiver for your hard earned cash. Yes, this data includes new and used price lists for those of you who go to the Flea markets.

The most interesting part of this compendium of receiverdom is that some of the older equipment still stands up statistically when compared to the latest the far east has to offer. It also proves that someone on a budget can have quality equipment if they do some careful research and reading.

At \$5.95 (plus \$1.00 shipping), the only question left to ask is: WHY HAVEN'T YOU BOUGHT THIS BOOK YET?

Okay Fred, you can ship the ICOM IC-781 to me in a plain brown box so nobody will suspect any impropriety.

Keep those cards and letters coming folks!

73,
Ship W02GMA

Computer Corner

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

HAPPY NEW YEAR to you all, and welcome back to the COMPUTER CORNER! I hope that you all had a safe and enjoyable Holiday season! Santa didn't bring me a new laser printer THIS year (hint!), but with the help of my good friend Paul Weinmann, I am able to bring it to you for his! But hey, wait a minute....why all the Happy New Year stuff in MARCH? Well it's simple. The material for the COMPUTER CORNER has not been coming in regularly. So, it became necessary to only produce the column once every couple of months. If anything earth shattering comes in I will have it in the next issue, so don't worry! However, YOU can help make this a REGULAR monthly column by contributing! Anyway, onto the good stuff!

SIMPLE GRAYLINE PROGRAM FOR MS-DOS:

I have been working on an update to a nice GRAYLINE program that I recently downloaded from Tom Sundstrom's PINELANDS BBS ((609) 859-1910). The program was very nice, but I have been busily improving it's operation. The program is available on ACE, DDDX and PINELANDS, and is called GRAYLINE.ARC. Oh yes, it is for the PC and PC-Clones. The Commodore version has been up for sometime! The program is written in BASIC, and should run well with any version, 2.0 or later. The data file is oriented towards the SAL, leaving out most of the "countries" that are nothing more than reefs, or countries which do not have any BW transmitters; this has the effect of making the program run faster. Running the program is pretty self-explanatory, simply make sure that the 2 files reside on the same disk or sub-directory! If you have any suggestions or comments after running the program, please drop me a note. I hope to have a compiled version of the program sometime in the second quarter of the year.

NEW ELECTRONIC MAGAZINE AVAILABLE!

BBSTN (BBS Telecomputing News) is a new electronic magazine that has recently become available to the BBS user. The first edition, which appeared in November, was a hit, and the magazine is now appearing on bulletin boards around the country. Also available is a printed version, which will debut this month, and will include a VERIFIED listing of over 2000 BBS's around the country! Place a call to INFO-NET at (703) 667-1479 and download a copy of the magazine. You will really like it!

RED-FACED DEPARTMENT!

Well, I must admit a BIG foul up on my part, and I owe two people apologies: Bill Cole, of the ANARC BBS, and Paul Blanchard of Rochester, New York. Earlier in the summer, the ANARC BBS held a contest, and to the 2500th caller went a copy of Gerry Dexter's "Shortwave Listening with the Experts."

Paul was the lucky winner, and Bill sent out the press release back on September 21st! I had it and didn't put it where I should....Sorry guys! And congratulations, Paul!

(Hope no one is mad at ye ol' editor...)

Well? OK, here is the OTHER bit of info that I screamed up! Guess 1988 is NOT gonna be my year, HI!

The DDX BBS in Newport News, Virginia has had a phone number change. However, it is NOT due to anyone moving! the phone company changed things around, and built a NEW central office for us! So the NEW number for the famous DDX BBS is!

(804) 930-2710
300/1200/2400 BMT

Be sure to give it a call TODAY!

MINI-FROP.

As promised last month, I have been spending some time with the good Doctor DX and the Conductor of FRODOX's DX'ers FORUM, Chuck Ripple, in studying and evaluating MINI-FROP, one of the nicest propagation programs yet to be developed for the PC.

MINIFROP is a sophisticated ionospheric propagation prediction program, developed by Sheldon Shelton, W6LJ, and distributed under the user-supported concept. MINIFROP covers skywave propagation on frequencies between 3 and 30 MHz. Sheldon first started working on prediction programs in the mid 1960s, to help him, as an amateur, work DX. The early versions of the program only predicted signal strength! HF was predicted manually. Over the years, as computers became more sophisticated and our understanding of propagation became better, more and more features became available in the program. MINIFROP version 1, which was released in 1985 ran on P/M computers. As the program spread around the world, Sheldon made further improvements, and the result was the current version 2.0.

Running MINIFROP requires that you listen to WWV (or any other source) and obtain the solar flux reading. Simply entering this info into the program, along with some other data will yield some excellent results....but, onto Dr. DX's opinions:

DR. DX REVIEWS A MINI-FROP

Dr. DX was asked by Tom McElvy to review Mini-Frop. It is not often that Dr. DX gets asked to do anything other than leave, so Dr. DX was pretty excited about this.

The first thing Dr. DX noted was that Mini-Frop was too mini to safely prop open the door. Then he noted that it was very hard to read the instructions because they were inside a black square thing with a record looking thing in it. Then Tom told Dr. DX that the square thing had to be put in a computer and then it would print out all the instructions because they were on the record looking thing. And then he was, all 34 pages of them! Dr. DX does not know how they got so many words on that little-bitty record. The instructions were very clear - even Dr. DX understood them!

Now Dr. DX loves to DX the Papua New Guinea regions and Mini-Frop told him what the best time of day to do that would be, what the expected S-meter reading would be, how many hops the signal would take, what the expected F-layer MF would be, what the E-layer cut off frequency is, and even if it was worth the trouble or not. All Dr. DX had to do was tell it his location (longitude and latitude), the location of the station he wanted to hear (by longitude and latitude, call sign or city name), and either the solar flux value or the sunspot number. The computer then thinks for awhile and out comes all this good stuff to the printer. Dr. DX was sure amazed by it all! Since Dr. DX does not like to read very much, he just had to push another button and all this good stuff was presented in a graph that could be printed in a screen dump (Dr. DX did NOT make up that term...HONEST!).

Mini-Prop has really helped Dr. DX with his DXing, especially with the Oceania DXing; but Dr. DX suggests that you get something bigger if you want to hold the door open.

Thanks, Dr. DX, for that inspiring, in-depth review. We can ALWAYS count on Dr. DX for accuracy and honesty. God, I love this business!!!! (sic!) Actually folks, MINI-PROP is an EXCELLENT tool that can help you increase your country count with little effort. Remember to download this fine program from any of the SWL BBS's around the country, including ACE & ODDX.

RED FACED DEPARTMENT III! (!!!)

Remember what I said about 1988... Well, the ANARC BBS has had a phone number change also! Bill Krause, the sysop, has moved to the beautiful state of Washington. That was a little too far for the phone company to let him keep the number that he had in Illinois, so, he was forced to change....

The NEW phone number is:

ANARC BBS
(509) 534-6866
300/1200 EN1

I understand that Bill has added some of the new, fast 1581 high capacity disk drives to the Commodore system the BBS operates, so expect dramatic improvement in the system. Also, Bob Horovitch, the ANARC Executive Secretary, has been placing the electronic version of the ANARC NEWSLETTER on this and other BBS's around the country. So, be sure to check them out, and tell them the COMPUTER CORNER sent ya!

AS THE MODEM DIALS...

Well, I hope that the material this month makes up for the past few issues. For those of you who have taken the time to write or call to find out "what happened," my deepest thanks! Things have been busier than I have remembered them being in a LONG time! I actually have more material for ya, but why spoil next month's issue?

What about NEXT month? I have several goodies lined up: The story behind the SWL CONFERENCE on the FIDO network, with the latest listing of local nodes carrying a SWL conference; a review on a new logbook program I have found called PC-LOG, and much, much more. Please keep those cards & letters coming in, because YOUR ideas and desires are what make FRENCH what it is...THE BEST!

Until next month...

73!



NASWA Awards Program:

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

Greeting and welcome to the NASWA Awards Page for March 1988. The following folks have recently earned NASWA Awards:

Rowland F. ARCHER, Jr., Raleigh, NC: European Continental DXPert

Jerry BERG, Lexington, MA: Master DX Centurian 220 country endorsement

Edward F. CICHOREK, Somerset, NJ: World Wide DXer

Dr. Harold CONES, Newport News, VA: Senior DX Centurian 190 country endorsement; African Continental DXPert; Senior Tropical Band DXer; Master Time Station DXer (Certificate #002); Senior Nigerian DXer; Master Papua New Guinea DXer

Rick KRZEMIEN, San Ramon, CA: South American Continental DXPert

Frank ORCUTT, Alameda, CA: Asian Continental DXer; North American Continental DXer; North American Continental DXPert; DXer de Pacifica; Senior DX Centurian

Sheryl PASZKIEWICZ, Manitowoc, WI: All Voice of American DXer

Thomas V. ROSS, Lyons, IL: Senior Radio Moscow DXer

Jim STEWART, Christchurch, NEW ZEALAND: European Continental DXPert; World Wide DXer; Ecclesiastic DXer

kap's comments

Before we get going with the usual comments, we wish to apologize to Mr. Roland Schulze of Stuttgart, West Germany for managing to completely cobble up the Awards he earned in both the December 1985 and December 1987 Awards Pages. Mr. Schulze actually earned the following Awards: Master Pacifica DXer; South American Continental DXPert; North American Continental DXPert; Senior Ecclesiastic DXer. We will be a tad more careful in prepping the page in the future so that further occurrences of this type do not happen.

Thanks to Mr. Schulze, we now have a Radio Moscow German Language report form. We'll be pleased to share a copy for the usual SASE or IRC.

Obviously the right hand did not know what the left hand was doing regarding my offer of the additions to the Country List last month. Unfortunately I was not aware that the list was going to be run in Chuck Ripple's excellent DX'ers Forum column.

I have given some consideration to the issuance of a Special Plaque to complement the 220 country endorsement sticker for the Master DX Centurian Award. The cost of such a plaque would be in the \$20-\$30 price range including postage. If there is some interest, please let me know and we'll do further research.

Now, for the NEW AWARDS that we've been promising. They will be available approximately May 1, 1988. Any applications that arrive before the Certificates come from the printer will be held:

Senior Peruvian DXer: For verification of at least 25 SWBC stations located in the Republic of Peru. Red endorsement stickers for 50 and 75 stations, gold ones for 100, 125, etc.

Antarctic DXer: For verification of ONE SWBC Station located in the Continent of Antarctica. Since there are 2 stations active there, a special gold endorsement sticker is available for QSLing both.

Obviously, one of these new Awards is a toughie, the other, while somewhat difficult is a tad easier.

Don't even think of getting Certificate #001 for the Antarctic Award. Rank has its priveledges and I've reserved that one for myself. HIHIHI.

Since I have exactly 1 Peruvian station QSLd, we'll be fair and set up a lottery for Certificate #001. All applications arriving before the Certificates arrive will be tossed into a bag and Muriel (Mrs. kap) will pick out the winner.

Till next month

Best, Kap

DR. DX MAKES AN IMPORTANT SPEECH

What follows is the edited version of a speech given by Dr. DX for the Beef and Beer Banquet at the 7240 NET Convention in Willow Grove, PA, 13-15 February 1988. A good time was had by all in spite of this speech.

Dr. DX is sure excited about being able to talk at the "7240 Convention" to so many shortwavers at one time--why, Dr. DX bets there are more shortwavers in this room than have ever read his column in FRENEX. Dr. DX usually does not get a chance to talk very long about anything before people start rendering produce, so Dr. DX has decided to make this a short (and a shortwave) talk. Dr. DX was asked by the convention committee to speak on the topic "The Lighter Side of Shortwave Radio". Now this is a topic that is very near to old Dr. DX's heart. Dr. DX tires very easily and he is always looking for less weight to carry when he is shortwaving--Mrs. Dr. DX suggested that if Dr. DX wanted to cut weight out of his hobby he could cut his head off, but Dr. DX does not think that is such a good idea since he would then have a hard time putting his headphones somewhere--but then, Dr. DX guesses that Mrs. Dr. DX could tell him where to put his headphones. Anyway, Dr. DX has found a lot of ways to cut down on the weight of shortwave radios and he is happy to share the news with you. First of all, Dr. DX has found that even with all those wires and stuff, there is still a lot of space inside the radio cabinet, so he puts a balloon inside the cabinet and fills it with helium. This indeed makes the receiver lighter, but Dr. DX has found that it often makes the audio sound like Donald Duck with static. Then there was the time Dr. DX touched the balloon with his hot soldering iron--his receiver made a noise like a horse passing gas and flew across the room, leaving a nasty dent in his genuine "All the Way With LBJ" trashcan and scaring Daisy the DX dog into hiding under Dr. DX's foot--not an easy feat (Get it? Dr. DX can sure tell 'em sometimes). Dr. DX is still working on the balloon problems and will let you know if he ever gets all the bugs worked out. Another thing Dr. DX does to lighten his shortwave receiver is to install wheels on it. Mrs. Dr. DX told him it looked stupid for a grown man to be wheeling a radio receiver around, so Dr. DX painted a cover that looks like Daisy the DX dog and put it over the receiver. Now, when people ask, Dr. DX just tells them he has a lazy dog and it has to be pushed to make it go places. Most people then say kind things about Dr. DX and how he takes care of his dog--next week Dr. DX is going to paint a cover that looks like Mrs. Dr. DX; when people ask, he will say Mrs. Dr. DX drank too much peach wine and has to be wheeled home. Dr. DX has also found that the receiver can be made lighter if you take the insides out--"Oh sure, Dr. DX," you say, "does that really work?" The idea works, but the receiver does not, so Dr. DX suggests that you put a Sony Walkman in their place. Then you can listen along with everybody else, drink just as much beer, hear Tristan just as well as they do, and your back has not been thrown out of wack. Another way Dr. DX has found to lighten his receiver is to put two handles on it instead of just the one that came with it. Dr. DX has found that by using two handles the receiver weighs half as much. Most people that are looking for a lighter side to shortwave radio often overlook frequencies. Dr. DX has thought about this a lot and thinks he has figured it all out. Dr. DX figures that 15 MHz is a lot of hertz and 3 MHz is not nearly as much hertz. Now Dr. DX is not stupid, he knows that a whole lot of somethings weighs a lot more than a little bit of somethings, so Dr. DX figures it is best to listen only to the lower frequencies--this keeps all those heavy frequencies out of

his radio and keeps his receiver lighter. Dr. DX cautions that these kinds of hertz are not to be confused with the kind of hertz that Mrs. Dr. DX lays on Dr. DX when he takes off on one of his train adventures. Well, so much for making your receiver lighter. "What now, Dr. DX," you say, "about all the other radio stuff? How can we make them lighter?" Well, Dr. DX has a few hints for that, too. First, what about the big, thick, heavy WRTH? (Dr. DX thinks that WRTH is a RTTY/FAX word). Dr. DX cuts out all the things he most likely will not hear, like Tristan and Reunion, and sends them to GH--he can always find a place for them. When Dr. DX is finished, the WRTH is only 20 pages long and is much lighter than before. It can then easily be folded and put in the back pocket so it can always be with you in case some unexpected shortwaving comes along. A pair of headphones can be real heavy, so Dr. DX has tried several things. First of all, Dr. DX takes one side off, thus making it a headphone. This works real well, except Dr. DX can still hear Mrs. Dr. DX yelling for him to do yard work, so he figures the extra weight here is worthwhile--with both headphones on, Dr. DX just smiles at Mrs. Dr. DX and cannot hear what she is saying with so much enthusiasm. Dr. DX has found that the amount of fire in her eyes is a good indication as to when to take the headphones off. Another thing Dr. DX has done with headphones is not to use them at all, just turn the volume up real loud--that way, everyone in the house can enjoy what Dr. DX is enjoying. Dr. DX has found this is probably not such a good idea and sometime he will show you his scars. Dr. DX tried attaching helium balloons to his headphones, but the neighbor's cat mistook him for a large rodent and a nasty situation followed--Dr. DX had not seen anything like that since he spent the night at Penn Station in New York City. The last thing to consider in making shortwave radio lighter is the antenna. Dr. DX has found that the smaller the antenna, the lighter it is. Some shortwavers use long heavy wires strung all over the trees, while others use strips of aluminum foil glued all over the walls; some use active antennas (Dr. DX guesses they really should be called *radioactive* antennas). Dr. DX has carried the concept of the compact antenna to the ultimate. When Dr. DX goes out on a DXpedition, he does not even take an antenna. Instead, Dr. DX takes a lot of beer (Bud Light, of course). Dr. DX uses the tab tops as an antenna, and the longer the DXpedition lasts, the longer the antenna becomes, the better the signal strength gets, and the happier Dr. DX becomes. Dr. DX has found this to be a great method to lighten his shortwave load, not to mention his bladder. By late in the DXpedition, Dr. DX is hearing anything he wants to hear. At any rate, Dr. DX is now ready to share with you the ultimate in the lighter side of shortwave radio: the "Dr. DX Super-Doooper First Class Ultimata DXpedition Kit". First, Dr. DX buys a styrofoam ice chest and paints the outside so that it looks like a NRD-525. Inside the ice chest Dr. DX puts several six packs of his favorite golden beverage, a Walkman, and a pair of ultra-light headphones. Dr. DX then takes this heavy receiver on a DXpedition with all his shortwave buddies. As time passes, Dr. DX adds the tab tops to his antenna, discards the empties, and begins hearing about anything he wants to. By the end of the DXpedition, the only thing left is the Walkman since one of Dr. DX's shortwave buddies has usually tripped over the icechest and flattened it and Dr. DX has stood up and tried to walk away with the ultra-light headphones on one too many times and ripped the cord off of them. The Walkman is then put in Dr. DX's back pocket, whereupon Dr. DX sits down in his car, breaks the Walkman, and then has to throw it away. Presto, nothing to take home except the memories of a good time. Dr. DX is working on perfecting this plan since sometimes the Walkman does not break and he has to bring it home. When Dr. DX gets all the bugs worked out, he will let you know.



Listeners Notebook

GLENN HAUSER, Box 1684, Enid, OK 73702

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ALBANIA Due to lack of info and anmts from R Tirana, this compiled solely from monitoring. Some target assumed for stat purposes. RT fqs may vary up to 5 kHz. EG: 0230 Am 9760 7065. 0330 Am 9760 7065. 0430 Af/Am 11835 9480. 0630 Eu 9500 7205. 08 As/Au 11835 9500. 1130 As/Au 15185 11855 9480. 14 As/Au 11985 9500. 1530 Af 11835 9480. 1830 Eu 9480 7120 1395. 2030 Af 11835 9480. 2230 Eu 9480 1395. 2330 Am 9760 7065 6200. All 30 min.

Other bcs to Am: 00-01 PT 9500 7065. 01-02 PT 9500 7065. 01-02 SP 7300 6200. 02-03 AB 7300 6200. 03-04 SP 9750 7300 6200. 10-11 PT 11985 9500. 11-12 SP 11985 9500 7300 (wbi 19/2) Oops, also 00-01 AB 7300 6200.

Other bcs in AB: 05-06 Eu 7110 6200 1215. 09-10 Eu 6185 1395. 15-16 Eu 7155 6200 1215. 18-19 Eu 7100 6170 (WBI 19/2) Not many Albs in Au/As/Af?

ALGERIA RTA reported 9/2: an innovation in the Third Channel [French]: a bulletin in AR at 1700, natl & intl nx. Monitoring 9-16 Feb: Nx in Colloquial Alg Ar obs 17-1705 apx on 9-15/2 on fqs of RTA-3, usually exclusively in FR. But 16/2 short nx in FR instead (WBI 19/2)

ANGOLA R Nacional, 4820.3 & //4951.6v, from 0500 PT nx, 0532 Af & pop mx to 0600; both G 9/2, but 4820 stronger prob from Luanda, not Huila, since pgm did not split after 0530. ER de Cabinda, 4969.8, from 0500 PT nx //Luanda, 0532 PT tks to 0600 f/out 9/2. ER de Benguela, 5039.5v, 0500 PT nx //Luanda, 0532 Af mx to 0545 f/out, 9/2, tent ID (Ernie Behr, Kenora Ont)

R Nacional de Angola, "A" pgm, Luanda, all in PT on MW 1367 945 702, and: 00-06 9720 4953 3355. 06-15 9720 7215 4953. 15-17 9720 4953 3355. 17-24 on 9720 7215 4953 3355. Most fqs subject to variation. This sked shows basic weekday pgms; may be weekend variations. Nx on the hour of varying lengths; 05-0520 Nx, anmts and pgm pvw. 11-12 Day to Day in the City - magazine pgm on events in Luanda. 1805-19 Angola combatant. 2010-2100 & 2110-2200 Good Evening Angola Parts 1 & 2.

RNA B pgm, Natl Svc, Luanda: on 11955 9535 7245 1088 101.4 multilingual, in cluding: 00-05 PT relay A pgm. 05-0530 PT nx. 0530-06 Kimbundo. 07-08 Kikongo. 09-11 Bengo Now in PT. 11-12 Kimbundo. 12-1315 R Newsreel in PT. 1330-14 Luvale. 14-1430 Kikongo. 1430-15 Chokwe. 15-1530 Oshimbundu. 1530-16 Ohinkuanjama. [16-2115 intl svc, below]. 2115-22 PT mx, 22-24 PT relay A pgm.

RNA B Pgm Intl Svc, Luanda: 16-1630 EG Af 11955 9535 7245 1088 101.4 incl 16-1605 nx, 1615-1630 This is Angola. 1630-17 Mon-Sat EG/verns 11955 4820 as R Freedom, V of ANC, w/1630-1640 nx, 1640-1650 commentary. 1630-1730 FR 9535 7245 1088 101.4. 17-18 Mon-Sat EG/Verns V of Namibia, of SWAPO on 11955 4820, incl 17-1710 nx, 1710-1720 contry. 1730-18 Sun EG/Verns R Freedom on same. 18-2015 daily PT 11955 9535 7245 1088 101.4 incl 1805-19 Angola Combatant, 19-2010 R Newsreel. 2015-2115 daily Spanish to Af & dom 11955 9535 7245 1088 101.4.

Provincial & Regional stns; all provs and most regional centres have a radio stn which ops generally from 04/05 to 23. Local pgms in PT & verns and also relay some nx from RNA-A. No reliable details but these reported [by whom?-- DXers and/or WBI's own monitoring??]; all fqs subject to fqt variation. [the significance of fqs in parentheses is not explained--perhaps listed but not hrd recently??] Bié (4896). Benguela 5041. Cabinda 4970 5033. Cuando-Cubango (4780). Huambo 7160 5060 3345. Huíla 7350 4820.3 (3994). Lobito 7172 5043. Lunda Norte (4770). Lunda Sul 6115 4860. Malanje (4941). Moxico 5091.2 [sic]. Namibe 5015/5402. Uíge (4849). Zaire 4885 (WBI 19/2)

ANTIGUA BEC, 5975, w/strong spurs on 6000, 6051.6, 5898.4, 5950 under WYFR, 31/1 from 0600 WS (Ernie Behr, Kenora Ont)

ARGENTINA Argentina Televisora Color reported 29/1: Comms Secretariat 28/1 closed down three cland radio stns, aka free radios, for bcng w/out necessary auth. LC-5 Cañuelas FM radio stn, Lomense FM stn in Lomas de Zamora, and Melo-día FM in Boulogne, San Isidro neighbourhood. (WBI 5/2) Lots more to go

AUSTRALIA RA Communicastor [sic] reported 24/1: As of today, RA'll be hrd ea nite, midnight to dawn local on ABC's natl net: 5CL-729, 3AB-990, 4QG-792, 2CY-846, 2GU-1098, 7ZL-585, 3AR-621, 2NA-1512, 6WN-810, 2FC 576 kHz (WBI 29/1)

The relay of RA starts at 1300 Mon morns and at 1400 Tue-Sun. RA SW direct was slightly ahead of 2FC, 2CY, 2NA which were slightly ahead of 3AR, 7ZL, 3WA, 3AB. Anmt mentd "58 stns around Au". I couldn't check 6WN and 2GU but w/when it makes 11 AM stns and 41 FM relays for 52 known stns. 5CL and 4QG are on relevant time delays, presumably so is 6WN, so UTC TCs are a mockery. Maybe 6WN cuts directly into RA pgm 3 hours after 2FC, etc (Ian Stanley, Feb ADXN) Time delays which are also on 'Beyond Midnight' make the whole xmsn sound ridiculous when time anmts are given. Someone hears RA giving time as 1600 UTC at 1730! Vy confusing. But of course no one wants to know the correct time in the middle of the night! (Robert Chester, ADXN ed.)

BRAZIL DW M88 via new Brasilia relay: 6075 01-03 (//other xmtrs in W Germany [on same fq?]). 6145 23-01. 9545 01-03. 15185 23-01 (Bob Padula, Feb ADXN) It would make so much more sense to give such info in time order; why don't you?

R Nacional, Amazonian svc, on 9760 arnd 2015, lcl anmts, Braz pops, QRM VOA co-ch, to 2100* 12/2 (Bob Padula, Surrey Hills, Vic, E Australia)

BURMA Rangoon, 4725, vy interesting EG education, human biology and "Wuthering Heights" study set of lessons 1457-1533 9/1, G (Wesley Beck, WA, Feb ADXN) Strange, they normally bc minority langs on this fq; needs further chex (ADXN ed.)

CANADA RCI's D87 EG sked will continue more or less intact until 27/3 when DST begins in Eu prompting these changes: 0515-0530 & 0545-06 Mon-Fri Eu 9750 6140, Daventry 7295 6050, ME D15180 D11840, Af D11775. USA svc at 1258-1359 M-F loses 17820 since that needed for hour-earlier Russian at 1330. Mon-Sat 1445-1459 15325 D11935 D9555 Sines 15315 & 11915 to C&EEU. M-F 1830-1859 Eu 17875 15325 11945 D7235 D5995. 20-2029(Sat/Sun 2059) 17875 17820 15325 11945 D9670 D5995 [including SWL Digest Sat 2008 ex-2108]. But the 22-2259 M-F on 11945 9760 to Eu does not change yet since it depends on domestic scheduling. The weekday 02-0229 USA svc on 9755 and 5960 ceases on 1/4, presumably to make way for NHK relay retimed to 02. When NAM DST starts 3/4 there will be further retimings so the complete EG sked will then be:

M-F 0515-0530 & 0545-06 as above. M-F 0930-0940 Carib 9755 5960 930=Montser-rat. M-F 1158-1259 Carib 17820, USA 11855 9625. Sun 13-16 Carib 17820, USA on 11955. 1445-1459 as above plus 17820 exc Sun. 18-1829(Sat/Sun 1859) Af 17820 15260. 1830-1859 Eu as above M-F. 19-1929 M-F Af 17820 15260. 20-2029(Sat/Sun 2059) Eu as above. 21-2159 M-F Eu 15325 11945. 2130-2159 Af 17820 15150 11880. 22-2229 USA 9755 5960. 23-2329 Carib 11730 9755 930. 2330-2359(M-F 2429) 5960 9755 USA. 00-0059 Sun/Mon 9755 5960. 01-0129 LAM 11940 11845 9755 9535. (RCI Engineering, 21/1) & from 4/4 Japan relay, qv

CENTRAL AFRICAN REPUBLIC Rdif-TV Caf bcs in FR, Sango, other local langs. Svc name is National Stn, Bangui: 0430-07 5034, 07-1630 7220, 1630-23 5034, and on 1440 and FM thruout. Pgms include: 0430-0440 Natl anthem, s/on anmts, pgm pvw in FR & verns. 05-0515 FR nx. 0530-0545 verns nx. 0555-06 tech info in FR. 06-0615 FR Nx. 0630-0645 vern nx. 07-0715 FR nx. 0715-0720 FR pgm pvw. 0730-0745 vern nx. 08-0815 FR nx. 11-1115 FR nx. 18-1830 FR nx. 19-1905 pgm pvw FR. 21-2115 FR Nx. 2130-22 Current affairs magazine pgm in FR (WBI 19/2)

CHAD Ndjamena found on 7121 w/af drums, 1cl mx, at 0755, then moved to 7125 at 0800! Annmts in verns, on a Sat 12/2 (Bob Padula, Australia East)

CHINA These Xinjiang PBS xmtrs all hd 27/1 from 14 to 1430 f/out or later: 4220 in Mong; 4330 in Kaz; 4500 in Chin; 4735 in Uigh; 4970 in Kaz; 4980 in Mong; 5060 in Mong; 5440 in Kaz; 5800 in Uigh, the strongest, to 1500 f/out; best day ever for Xinjiang; also hrd CPBS-2 on 5075, listd as Urumqi in CH, and 5090, listed as Xi'an in CH to Taiwan, both vy strong to 1500 same day (Ernie Behr, Kednora Ont)

Beijing, EG to SEAs hrd on 3500 at 1308 in full AM, 6/1, possibly feeder (Craig Seager, Ballina NSW, ADXN) V of Pujiang, Shanghai, prsumed, strong on 4950 at 1040 mx, CH annmts 31/1 (Padula, Ogrizek & Ogrizek, Woods Point Vic, ADXN) *0955 in CH to Taiwan, also hrd on //3990 3280 18/1 (Don Rhodes, Vic) Now that new stn V of Pujiang, Shanghai on 3990, a stronger stn noted from 1000 on 3988, not//other Urumqi fqs 4735 and 5800; may be another svc from there or a completely new fq allocation (David Martin, Mansfield, Vic, RA JP DX Time 14/2)

Zhongguo Xinwen She rx agcy, Hongkong reported 15/1: China will build the world's 3rd highest TV xmtg tower, in Diaoyutai, west suburban Peking, 380m hi, weight 25 kilotons and become highest bldg of all in mainland China (WBI 29/1) That's only 1246.7 feet; loads of TV towers in NAM higher than that. Perhaps it wins in the self-supporting rather than guyed category? (gh)

CFBS, Beijing DS; during summer time all pgms one hour earlier; fq change times apx. First Pgm: From 1958 on 9080 9064 7935 7525 7516 7504 6840 6750 6125 5915 5880 5860 4905 4460 3220. 2300 drop 7516 5880 4905. 2330 add 7335. 0000 add 11330, drop 4460 3220. 0030 on 17605 15590 15550 12120 11610 11330 9064 7504 6840. 06-0855 on same exc 15550 only to 0810, and all fqs silent on Tue. 0855 on 15590 12120 11610 11330 9064 7504 6840 5320 4460. 1000 drop 11330 9064 7504 6840, add 3220. 1100 on 15590 12120 11610 9064 7516 7504 7440 6840 6750 6125 5915 5880 5320 4460 3220. 1145 drop 15590, add 9080, 5860. 1230-1730 on 9080 9064 7935 7525 7516 7504 7440 6840 6750 6125 5915 5880 5320 4460 3220. All in Std Chinese; pgms include: 1958-2005 NA & pgm pvw. 21-2110 nx. 2230-23 nx & press review. 2330-2345 exc Sun Military Life. 00-0005 exc Sun nx. 0030-01 nx & press. 02-0220 exc Sun nx & cmtry. 03-0310 exc Sun intl nx. 0350-0355 exc Sun pgm pvw. 0515-0530 economic info. 07-0705 exc Tue nx, 08-0810 exc Tue nx. 09-0910 exc Sun nx. 0915-0930 exc Sun Military Life. 0950-10 pgm pvw. 1030-11 natl hook-up. 1140-1145 economic info. 12-1230 natl nx hook-up. 1330-1345 Sun economic info. 15-1510 intl nx. 16-1610 nx. 17-1710 intl nx. Also thruout day on MW: 1361 1359 1348 1330 1287 1161 1100 1035 1017 981 876 871 864 837 755 639 621 569 563 540 (WBI 12/2) Note some of these do not fit 9-kHz spacing (gh)

CPBS Second pgm, Beijing, in Chinese-Std: 2058 on 9390 9020 8007 7770 7235 6920 6890 5163 5075 4250 3290. 2230 add 5030 4800. 2330 on 12200 11505 11040 9390 9020 8007 7770 7235 5163 5075 5030 4800. 0000 on 15030 12200 11740 11505 11040 9775 9020 7770 5075 5030 4800. 0100 on 15500 15030 12200 11740 11505 11040 9775 9755 9020 7770 4800. 0200 drop 9755 4800. 0230 on 17700 15500 15030 12200 11505 11040 9775, to 06. 06-0955 xmsn is silent on Wed & Fri; 17700 15500 15030 12200 11505 11040 9020 7770 until 09, then drop 15500, add 5075. 0955 on 17700 15030 11505 11040 9020 7770 5163 5075 4800. 1030 on 15030 11505 11040 9775 9020 7770 5163 5075 4800 4250 3290. 11 on 11740 11630 9390 9020 7770 6890 5163 5075 4250 3290. 1200 add 10260. 1230 on 11740 10260 9390 6890 5163 5075 4250 3290. 1300 on 11740 9390 9020 7770 6890 5163 5075 5030 4800 4250 3290. 1330 add 6920. 1500-1600* on 9390 9020 7770 7235 6920 6890 5163 5075 5030 4800 4250 3290. CPBS-2 also thruout day on MW 1510 1383 1304 855 720 630 (WBI 12/2) Pgm include: 2058-2105 NA & pgm pvw. 22-2215 Tue & Thu A Big Family of Nationalities. 23-2330 nx & press rvw. 0140-0150 law pgmme. 0330-0335 nx summary. 0340-0345 pgm pvw. 0530-0540 intl nx. 06-0620 nx. 0955-1005 Wed & Fri NA & pgm pvw. 1035-1045 economic info. 1130-1135 M-F nx. 14-1430 nx in natl hook-up. (ibid.)

Bcs for natl minorities, from Peking, all 26 mins long: 00 Tibetan 11375 8566 7110-Lhasa 6920 5995-Lhasa 4035-Lhasa. 0030 Uighur 11375 10260 8566 and Urumqi on 5800 4735 3990[sic]. 01 Kazakh 11375 10260 8566 & Urumqi 5440 4970 4330. 0430 Korean 9920 9775 8566. 05 Mongolian 9920 9775 8566 and Hohhot on 6974 4525 1458. 0530 Tibetan 17635 15670 11630. 06 Uighur 17635 15670 10260. 0630 Kazakh on same! 10 Korean 9775 5420 4190 & Yanji 1206. 1030 Tibetan 11630 11375 8566. 11 Uighur 11375 10260 8566, Urumqi 5800 4735 3990. 1130 Kazakh 11375 10260 8566. 12 Korean 5420 5030 4190. 1230 Mongolian 5420 5030 4190 &

Hohhot 6974 4525 1458. 13 Tibetan 8566 6920 & Lhasa 7110 5995 4035. 1330 Uighur 8566 8007 & Urumqi 5800 5735 3990. 14 Kazakh 8566 8007 & Urumqi 5440 4970 4330. 1430 Mongolian 8566 8007 & Urumqi 5060 4980 4220. 2130 Korean 5420 5030 4190 & Yanji-1206. 22 Mongolian 5420 5030 4190 & Hailar 4750 1431 (WBI 12/2)

V of the Strait radio, which until 3/84 was called PLA Fujian Front radio stn, bcs from Fuzhou for listeners in Offshore Islands & Taiwan; first pgm in Std CH w/some pgms in Amoy: 0954 on 5770 5240 4840 3300 2490. 1130 on 5240 4840 3300 2490 1377. 1340-1754 on 3535 3300 2490 1377; nx on the hour at 10, 12, 14, 16. Also at 2055 on 2490 1377, 2230 on 3535 3300 2490 1377, 23-0030 on 4840 3535 3300 2490 1377; nx at 21 & 23.

V of the Strait 2nd pgm in Std Chinese: 0353 on 6000 4330 846 666; 08 on 4330 3200 846 666; 1145 on 4330 3200 846 666; 14-1630 on 3200 846 666. Nx at 04, 0530, 07, 08, 11, 1230; 'Hometown' nx at 0410, 0710, 1110, 1240, 16 (WBI 12/2)

CUBA RHC in EG & FR to Eu 1830-2140 on 9770 ex-9670 (D87 mid-season QSY in IILG Newsflash via Feb ADXN) Wrong, 9670 // 9770 when I check 24/2 2043 (gh)

DENMARK R Denmark tent M88: 00-01 ENAm 11890. 09-10 SEU 17880, 10-11 Greenland 15165. 12-13 India 17880. 13-14 ENAm 15165. 14-15 FE 11885. 15-16 ME on 15165. 1630-1730 G1 15165. 18-19 Eu/WAF 17880. 19-20 ME/EAF 17880. 20-2030 M-F G1 11890. 2030-21 SEU M-F 15165. 20-21 G1 11890 Sa/Su. 21-22 Au 9715. 22-23 SAM 9590. 23-24 Caribia [sic] 9720 (Bob Padula, Feb ADXN)

DOMINICAN REPUBLIC R Amanecer, Sto Domingo, 6025 w/SP relig pgm, hymns, prayers arnd 1030-1040, QRMing Kuala Lumpur Chinese svc co-ch 11/2 (Bob Padula, Vic)

ECUADOR R Nacional Espejo, 4679.5, from 0100 SP talks & "RNE" IDs to 0401*, ancg 4635; back after long absence w/G sig 10/2 (Ernie Behr, Kenora Ont)
HCJB on 6230 at 0935 EG to Pac, wrong fq, not on usual 6130 16/1 (Bob Padula & Mick Ogrizek, Bunya Mountains, Qsld, ADXN Feb) HCJB on 11965 ex=11960 in SP to Ams 2240 24/1 (Bob Padula, ADXN)

GABON SRI relay, 9810, from *2210 IS & Esperanto, 2230 PT/IT/GM/FR/SP to 0100* Sat 6/2; weaker than other Gabon relays (Ernie Behr, Ont) Since this to SAM Africa No. 1 reported 6/2: Tomorrow will be great day for ANO, our pan-Af radio stn. In Moyabi, SE Gabon, foundation stone of 5th xmttr to be laid. Event is so important that Gab Info Min Zacharie Myboto is in Moyabi for ceremony. These two important milestones of our inter-Af radio stn coincide w/7th anniv. ANO was uninaugurated [sic] on 7/2/81 (WBI 12/2)

GERMANY WEST DW, Elmshorn, 6140, G w/talks 0820, later mixed w/Perth w/gong & ID 1000 10/1 (David Martin, ADXN Feb) For M88, DW plans extended use of OOB: 13790 06-08 Af 100 kW Julich, 10-11 ME 100 kW Julich, 11-12 FE 500 kW Wertachtal, 18-19 Af 500 kW W, 19-1930 Af 100 J, 1930-21 Af 500 W. And on 15510 09-10 Af 100 J, 14-17 SAs 500 W (Bob Padula, Feb ADXN) OOB 15530 being ancd for EG 09-0950 to Au/As instead of listed 15510, but not confirmed (Don Rhodes, ibid) see also MONTSEERRAT, RWANDA

GHANA GBC Natl Fq Sked: GBC-1 in local langs on 4915 at 0530-09 (Sun & holidays 0530-23) and 12-23; on 3240 or 3350 0530-09. GBC-2 in EG on 3366 0530-09, 17-23. On 7295 1155-17 (Sun & holidays 09-17), and on 97.5 FM 09-17. Please address all reception reports to:- The Propagation Engineer, GBC Monitoring, PO Box 1633, Accra (recent undated sked via Ed Cichorek, Somerset NJ)

GRENADA Cana nx agcy, Barbados, reported 17/1 from St Georges: Pgms of G's lone TV stn, Discovery Television, expected to be seen islandwide by midyear, per PM Herbert Blaize. Said govt still committed to selling shares in DTV; now provides limited svc for viewers mainly in St Georges area. Seeking funds to purchase eqp to carry sig into interior. Late last year, Blaize ancd plans to offer shares of DTV, which is jointly owned by govt and an Am non-profit foundation, to the public. Was set up in 1985 to provide coverage of Queen Elizabeth's visit (WBI 29/1) What channel? Even WRTVH 88 doesn't know (gh)

GUAM KTWR final M88 fq request: Xmttr One: 22=2330 Mandarin 11665 305 degrees. 0830-09 Russian 11735 350. 09-12 Mand 11665 305. 12-15 same. 15-1530 or 1545 Russian 9495 320. Xmttr Two: 21-22 Japanese 11840 345. 08-0930 EG 11805 345. 0930-11 EG 11805 165. 11-12 Jap 11995 345. 12-1330 Jap 9785 345. 1330-1445 or 1500 Swatow/Hakka/Cantonese 9590 285. Xmttr Three: 2145=23 Swatow/Hakka/Cantonese 9870 285, 23=2345 or 2400 Mandarin 11945 315. 09-12 Mand 9820 315. 12-15

same. 15-1645 EG 9820 285. Xmtr Four: 22-23 Indo 11850 248, 23-2330 or 2345 Indo 15420 248. 1030-12 Indo 15240 248. 12-1330 Mandarin 9590 308. 1330-14 Mand 9870 278. 14-1430 Tamil 9895 278. 1430-15 or 1515 Assamese/Santali 9895 293. The two morning xmsns in Chinese with (=) between times will move one hour earlier 9/4 [presumably when DST starts in China] (KTWR 7/12 via Richard Lemke, Alta)

GUATEMALA TGM R Buenas Nuevas, 4799.76, hrd w/new xmtr UTC 11/2 from 0040 Indian rel tlks & hymns, SP ID & mx to 0139*, ancg 1000 watts; vy G sig, almost as strong as Sani R (Ernie Behr, Kenora Ont)

HONDURAS I am a missionary and a rep of LV de la Mosquitia. I live in La Ceiba and travel back and forth to the stn about once a month. It is about 200 mi away [in Puerto Lempira]. Only way to get there is by air. Stn is powered by a diesel generator and getting fuel has been a problem. Currently we are only running the stn 4 hours each day. Pgmng is in SP & Miskito for the most part with some EG. I hope it will be a blessing to you in the future. Pray for [us] as we try to work out some technical problems and try to improve the pgmng. Sincerely in Christ, (Larry Sexton, Apt. 380, La Ceiba, 4/2 reply to Fr John Eckert, Collegeville PA)

INDIA AIR has a massive expansion scheme to strengthen internal and external svcs. Govt has approved proposal to install four 500 kW SW xmtrs at Bangalore. Under implementation: Phase 1: Delhi, two 250 kW SW xmtrs; Bangalore two 500 kW SW. Phase 2: Bangalore, four 500 kW SW; Panaji, two 250 kW SW; Gorakhpur, one 50kW SW; Delhi, upgrade two 50 kW SW xmtrs to 100.

Most AIR studios eqpd w/satellite receive-only facilities from Insat 1B; that's why feeder channels for nx and other pgmng are no longer depended on by regional stns. But you may notice poor mod during Tamil 1130-1230 from Madras 15335 and relayed by Delhi 17387, Aligarh 11735--pgm is coming to Delhi & Aligarh via landlines while 15335 from Madras is VG. Soon as microwave link Madras-Nagpur-Delhi established, this will be improved considerably (Alok Das Gupta, Calcutta, India, Feb ADXN)

INDONESIA VOI, 11789v, from 1700 SP pgm, pop songs, SP ID & NA to 1728*v, G 1/2; down to 11788.1 on 10/2 (Ernie Behr, Kenora Ont)

RRI Nusantara Satu, Ujung Pandang, 9550, 1/1 0730 w/full ID at 0732 (Craig Tyson, WA, ADXN) RRI Sorong, 9740, first hrd 27/11 0640, ID 0650. Continues to be hrd in late Dec, so seems regular and stable; reception obviously via the 2nd mode (ibid.)

RRI Natl Pgm, Jakarta: 2158-01 on 11770 9680 7270 6045 4774 3277 2332 999. 01-0458 Sun on 11770 9680 7270 6045 2332 999. 0458-08 11770 9680 7270 6045 2332 999. 0958-1710 on 11770 9680 7270 6045 2332 999 and irreg on 4774 3277. Nx at 22, 23, 00, 01, 03, 05, 06, 07, 10, 11, 13, 15, 17; sports nx Sun 04; press review Mon-Sat 0610-0615; nx at dictation speed 0710-08. nx & commentary 12-1215 but Sundays, Parliamentary nx. 14 nx abt Jakarta. 16 nx from ASEAN countries. Certain nx bulletins relayed by many local stns.

RRI Local pgm (Khusus), Jakarta, 01-02 Sun, 08-0958 daily, and irreg daily to 1500 on 4774 3277; these fqs also bc Natl Pgm at certain times.

[Main regional stns] RRI Region 1 Sumatra, Medan on 4765 3375, relayed on 5895 5256 4855 3365 3232 3142 incl nx hook-up 1430-1440. RRI Region 2 Java & Bali, Yogyakarta on 5047. RRI Region 3 Kalimantan, Banjarmasin 3250, relayed on 3995 3325 incl 1100-1110 nx hook-up. RRI Region 4 Sulawesi & Nusa Tenggara, Ujung Pandang 4753, also relayed on 3960 3215; nx hook-up 11-1110. RRI Region 5 Moluccas & Irian Jaya, Jayapura, unconfirmed on 5044.

Partial list of RRI regionals: 6190 Padang 02-09. 5895 Pekanbaru 22-18. 5256 Sibolga 09-19. 5047 Yogyakarta 2230-24, 10-18. 4955 Banda Aceh 22-01, 10-16. 4927 Jambi 22-01, 10-14. 4920 Tanjung Pinang 22-01, 10-13. 4910 Bukittinggi 23-24, 08-12. 4875 Sorong 12-15. 4855 Palembang 22-02, 09-16. 4765 Medan 22-02, 10-17. 4753 Ujang [sic] Pandang 0930-16. 4607 Serui 11-17. 4003 Padang 22-01, 09-17. 3995 Pontianak 22-24, 10-16. 3975 Surabaya 22-24, 10-17. 3960 Palu 10-16. 3945 Denpasar 22-24, 12-17. 3935 Semarang 22-24, 10-17. 3395 Tanjung karang 22-01, 10-17. 3385 Kupang 13-1520[sic]. 3375 Medan 22-01, 10-17. 3365 Padang 12-15. 3345 Pontianak 10-15. 3325 Palangkaraya 22-01, 10-16. 3315 Simalungun 23-01, 10-16. 3265 Bengkulu 23-24, 10-16. 3250 Banjarmasin 22-24, 10-16. 3241 Sibolga 23-01. 3232 Bukittinggi 22-2430, 11-17. 3225 Tanjung Pinang 23-01, 0930-14. 3215 Manado 10-16. 3142 Pangkalpinang 12-16. 3000 Surabaya 12-14 (WBI 19/2) Most unusual for BBCMS to go even this far into Indonesia! (gh) & hog-wild over "hook-up"; not the same as "Network" ??

IRAN VoIRI on 11790, from 1457 IS, 1500 ID & Bangla (?) pgm to 1600* 6/2; is this listed in new WRTH? (Ernie Behr, Kenora Ont) Not, it says 11895 & 15084

VIRI reported 11/2: External unit of Rasht Voice & Vision centre began ops today; 9 hpd in Azeri, Pashto, Kurdish, Armenian, Russian, Turkish, EG on MW 1404 & 702 kHz from 800 kW xmtr. EG at 1930 obs 15/2 on 1404 //9022. Rasht is on Caspian Sea [Lake] coast (WBI 19/2) cf cland Al-Quds

ISRAEL VOI reported 14/2: cabinet decided to institute DST during the coming three years for 5 months a year; this year from 9/4 to 3/9. Consequently all VOI bcs one hour earlier by gmt during this period (WBI 19/2)

IVORY COAST Abidjan w/unusually strong sigs via longpath on 6015 past 0800 12/2, FR nx report and cmtry to f/out 0830 (Bob Padula, Surrey Hills, Vic, EAU)

JAMAICA R Jamaica reported 19/1: Chmn of JBC, (George Abrahams), says divestment pgm of JBC has taken another step forward; involves AM, three regional stns - R West, R Central, R Northeast - and JBC-TV. He has sent forms w/genl & financial info to interested people who have applied. Said draft licences for commercial islandwide TV will be sent to applicants by 29/1; deadline for AM & TV return 26/2; regional stns, forms out by 12/2, in by 11/3. Divestment also involves gov shares in RJR; original date for divestment cannot be missed and the pgmme is way behind schedule (WBI 29/1)

JAPAN RCI relays via Yamata start 4/4; revised fq sked: 12-1229 17710 300 kW 240 degrees EG to SEAs, and 15385 100 kW 240 EG SEAs. 13-1329 Japanese 6150 300 290 to EAs. 1330-1359 Russian 6150 300 290 Soviet Asia. 14-1429 Ukrainian 6150 300 290 Soviet As. 1930-1959 Russian 9650 300 290 Soviet Asia. 22-2229 EG 11705 300 240 SEAs, 2230-2259 French same (RCI Engineering 21/1) With the exception of Japanese at 13, all these are at same time as existing bcs to other targets and likely to be in parallel; thus it would be difficult to get an airtight set of pgm details for QSL, if RCI cared. Also, most of them shift for DST, so it will be interesting to see how the relay times change next fall (gh)

Renovation work at Yamata site, sked to be completed in March 1988. Four-year project started 1984, to replace old eqp dating back to 1941. Includes 4 300 kW and four 100 kW xmtrs. Had used only 100 kws. New units had to be installed individually, to avoid disturbing xmns. Three of the 300s already in use, fourth to come on line in March, covering Asia & China [sic]. Renovation of ants also undertaken. Output of the 300s fed to curtain array, whilst 100 to curtains or log-periodics. NHK-Tokyo now linked to Yamata by digital facilities, w/much improved audio quality. Plans to examine possibility of using additional overseas relay stns, facilitated by revision of Bc Law, enabling reciprocal use of rebc facilities on leased basis (NHK via Bob Padula, Feb ADXN)

KENYA Kenya Times reported 21/1: Mr Cornelius Nyamboki has been relieved of his duties as Dir of Bcing [with VOK] effective immediately. Confirming the sacking 20/1, Permanent Secy in Minfo & Bcing, Jonathan Birir, said Mr J K Wanjau takes over as Acting Dir. Kenya Times 25/1 had article "Reshuffle at VOK was a step in the right direction". Nyamboki should have gone earlier; e.g. he went on Press Conf pgm to declare VOK has no plans for extl svc 'because Kenya not at war w/any country'; highly political issue which only Hon Noah Katanaga Ngala, Minfoc would've tackled. Nyamboki also directed that his own appearances be in colour while superiors' were in B&W. Suggested Kenyans should raise 5 gigashillings to modernize VOK. Also directed more Kenyan mx on Genl Svc. OK, but more important issues than hearing a few records repeated 10 times a day... (WBI 29/1)

VOK solid on 6150 when on extended Sat sked 2030-2100+ Natl svc in SH; relig segment at 2105; //4885 also hrd 12/2 (Bob Padula, Vic)

KOREA NORTH Pyongyang, interesting new fq 7580 in JP 1022//regular 6540 3250, 26/1 (Craig Seager, NSW, ADXN)

LAOS unID on 4439, fair w/chimes 1200, then Vientiane relay; no idea which one, as Houa Phan missing from 4653v and Xieng Khouang reported wandering. Doubt is listd Capital Bcing Stn, as some DXers claim; 14/1 and since (Craig Seager, NSW, Feb ADXN) LNR via USSR, 15190, Mayak at 1059, then pilot tone and into this 1100; //11870 which is now comprehensively covered by Spain/China relay, 30/1 (ibid.) WBI 5/2 shows the usual rotation of Vientiane ES langs incl EG at 01-0130, 06-0630, 1330-14, on 7112v and 1030 (gh)

LEBANON V of Hope (callsign WORD) O&O by Am missionary org High Adventure Ministries, which also ops KVOH in CA. Financed by Israel, this stn bcs from Marj

Uyun in Israeli security zone in Southern Leb. Begun in 1979 by late Maj Sa'ad Haddad, leader of Isr-backed Army of SLeb. Bcs in AR & EG plus several others for specific relig pgming, on MW, SW, FM. Some lcl pgms support the Army of S Leb. In SW xmsns IDs as "The King of Hope" (KING callsign). Also ops TV stn in AR & EG; formerly called The Star of Hope, now "Middle East TV" [I thot they sold it to some other org -gh]. Radio stn gives addrs: Box 77, Metulla, Israel; High Adv BCing, P O Box 7466, Van Nuys CA 91409; or BM Box 2575, London WC1N 3XX. Ancs it bcs from "The Valley of the Springs, Free Lebanon" and begins and ends pgms w/Leb NA. *03-01* on 945 684 FM multilingual including EG nx: 0450-05, 0550-06, 0650-07, 0750-08, 0850-09, 15-1510, 21-2110. Arabic nx: 06-0615, 11-1115, 16-1615. That was VOH; KOH is sked:

03-06 AR ME 6280. 06-10 EG ME 6280/6215. 10-1430 AR ME 6280/6215. 1430-16 EG ME/As 6280. 16-19 RS (incl some UK) Eu/ME 6280 [same fq for rest of sked...] 19-1930 Sun irr Greek Eu/ME. 19-1945 daily EG irr Eu/ME. 19-1945 M-Sa RS/UK irr Eu/ME. 1930-1945 Sun irr Serbo-Croat Eu/ME. 1945-20 Sat & Sun EG irr Eu. 1945-20 Sun Hungarian irr Eu. 1945-20M-F FR Eu. 1945-20 Sat Swedish irr Eu. 20-23 EG incl 20-2005 nx summary, irregular [unclear whether entire xmsn or only the 20 nx is irr]. (WBI 19/2)

LIBERIA ELWA D87 mid-season changes: add 7270 0830-1830 Waf EG. change 11790 2030-22 Naf AR. Add 11810 1530-17 Naf AR. change 11830 15-22 Waf in various langs, Sun 1245-22, Fri-Sun 0630-10. change 11955 0630-0830 Naf AR (ILG/ADXN)

Full SW sked for ELWA from 6/3: 3230 0610-0802, 1805-2150(Sat-Mon 2210) Waf langs HS. 4760 0555-0802 (exc 0555-0817 Fri, 0555-0832 Sat, 0655-0832 Sun), 1725-2230 Waf langs/EG HS. 6070 1555-2130(0825- 2130 Sat/Sun) FR/Waf langs. 7270 08 $\frac{1}{2}$ -18 $\frac{1}{2}$ EG HS. 9550 12-1330 FR/Waf. 11790 2030-22 AR Naf. 11810 1530-17 AR Naf. 11830 0630-10(Fri-Sun) EG/Waf/Caf. 15-22 (Sun 1245-22) EG/FR/Waf. 11955 0630-0830 AR Naf (Feb ADXN)

LIBYA Monitoring 15-25 Jan: On 20/1 & 21/1, Libyan radio hrd being in AR on 13700 USB 11-1345 apx. Tho IDed as V of the Greater Arab Homeland (VOGAH), it was different from that bc on usual VOGAH fq 15450. Pgms on 13700 USB 21/1 appeared directed specifically against Egypt. Sometime after 1300 21/1, yet another Libyan svc found not //any aforementioned fqs, on 18000 USB, ending sometime before 1400. 22/1, 13700 was changed to 13500 USB, hrd in progress from 1148 until 1400. Two next days, hrd 1101- and 1118- respectively. 18000 USB hrd again 22/1 & 23/1, from 0902 and 1101 resp. 22/1, carried 30-min V of the Popular Revolution in Palestine pgm; various editions of it were carried continuously with a break of a min or two between each pgm. 23/1, "Ardh al-Kinana" (Egypt) [I thought Egypt was Misr -gh] pgm carried at 1101, apparently specifically for listeners there. Referred to events in Egypt in 1956 and criticised the Eg regime which had signed peace treaty w/Israel. Similar pgm obs on normal VOGAH fqs at apx 0230-0255 24/1. 25/1, 18000 USB first obs at 0722 to 1350*. 13500 USB obs at 1059-1150. Neither //15450 or 15415 which were apparently both carrying normal VOGAH pgms. Further SSB hrd on 4200 USB to 2115* 24/1, but this was //normal VOGAH bcs. Similar 4155 also hrd to 2115* 15/1, //VOGAH (WBI 29/1)

MALAYSIA VOM reported 10/2: VOM'll celebrate 25th anniv 15/2. Svc can be rcvd around world. Plans to intro Japanese & Viet pgms in near future, and to enhance its sigs; esply important for Eu/NAM where great number of Mal students (WBI 19/2)

MALI RTM Bamako, 7110.16 & //7285.48, from 0710 Af band mx, 0720 vern talk to 0800; both strong Sun 31/1. RTM on 5995.16, from 0600 ID & Tribal mx, 0630 vern talk, QRM VOA, //4782.8, vy strong 1/2 (Ernie Behr, Kenora Ont)

Bamako using 11960 again, //7285 7110 at 0831 with clear channel at this time; seems to have dropped 9635 as unhrd, 12/1 (Craig Seager, NSW, ADXN) Tent this 1630 27/12 in FR, Af & SP type songs, but no ID or TS at hourtop. 1800* abrupt, no ID hrd. Sounded like a semi-comm extl svc, w/mx reqs for listeners in Senegal, Nigeria, Tanzania, G sigs and hrd at same time as Angola 11955, Beijing/Mali relays, so path well open (Robert Shepherd, ADXN Feb)

MONGOLIA Moscow pgm in EG 0844-0859 10/1 on 15170 is via Ulan Bator, per ILG (Wesley Beck, WA, Feb ADXN)

MONTSERRAT DW relay sked M88, 50 kW: 9545 03-04 CA [sic--Cam?], 9565 01-03 CA; 9635 05-06 CA; 11705 06-14 CA; 11810 2130-01 CA (Bob Padula, ADXN)

NETHERLANDS New RN EG sked effective 27/3: 04 ME/Eaf F13700 F9850 (25 min). 0630 Waf F11930 F9895 25. 0730 NZ B9715 B9630. 0830 NZ B9630 25. 0830 SEAS

M21485 M17575. 1030 Au/Carib B9685, B6020. 1130 ME/As M21480 M17575 F15560. 1130 Eu F17605 F9715 F5955. 1430 SWAs M17575 F15560 F13770 M11740 F5955. 1630 S/Eaf M9540 M6020. 1830 S/Caf B21685 B17605 M9540 M6020. 1830 Eu F6020. 2030 Waf F15560 M11740 F9895 M9540. 0230 ENAm F9895 B9590 B6165 F6020. 0530 WNAW B9715 B6165. Pgm change: from 28/3, on Mondays new up-tempo science & tech review The Research File w/Anne Blair Gould & Jonathan Marks; that same week, Portraits of the Past moves to Weds, except on the 0830 1130 1430 bcs which have Asiascan. From April, on the non-Af, Non-As xmsns, Rembrandt Express weekly mag show replaces Friday Report. Also in Apr, on Sats SW Feed-back becomes Over To You! (RN)

NEW ZEALAND RNMN reported 4/2: interview with John Craig, GM of Spl BC svcs for RNZ, Wellington: optimistic that 1988 will see some resolution of unsatisfactory present state of RNZI's SW xmsn. Min of For Affairs see need for upgrade in view of recent Pac events, but don't know yet where money would come from. Perhaps first step is a 100 kW xmtr; then another; capital investment would be from 4 to 5 mega\$ (WBI 12/2)

NICARAGUA VON reported 26/1: Interior Ministry Comms Directorate authorised reopening of several nx pgms: Avance Informativo, from Partido Comunista de Nic on its official stn; Actualidades Informativas, by Francisco Rivas Quijano on R Mundial; another R Mundial nx pgm, The Nicaraguan, by Rivas. On R Católica, News & Commentaries by César Rivas. On R Corporación, Six O'Clock Sharp, & Ten o'Clock Sharp, by José Castillo. Reopening of certain other radio pgms also authorised: on VON, Dialogue by Luis Cruz, and Focus.

El Nuevo Diario reported 27/1: 26/1, Maj. Wheelock, [head of Sandinist Military Intelligence] reported on contra comms system. Said they've been using El Cisne [SWAN] Island in Honduras. After referring to Palmerola and El Aguacate as Contra bases, said one contra stn is part of the RN [Nicaraguan Resistance] Radio Net, on SW from Honduras. As for El Salvador, Wheelock said R Liberación bcs from this country daily; based on outskirts of San Salvador and studios are at a Salv army base. Large number of Contra stns in Costa Rica. San José has stn bcng towards Nic on SW daily, part of Contra net [m/b Impacto -gh]. Two more stns in northern CR, coordinating opns and a number of FDN and ARDE criminal activities. Another stn from CR is R Liberación, voice of UNO, located in San José and bcs daily on a fixed fq. Also there is a stn in southern part of San José (WBI 5/2)

R Noticias reported 1/2: R Corporación nx pgm Six O'Clock Sharp returned to air w/bang. José Castillo Osejo and Rogeo León Carranza in charge. Ten O'Clock Sharp also returns this eve. R Católica ancd 4/2: "Church" nx pgm previously bc at 18-19 gmt now at 13-14 from 8/2 (WBI 12/2)

NIGER Niamey, 9705, t/in 0850 Af verns, into Af rhythms 0907, FR anmts to 0925 6/2 (Bob Padula, Vic, ADXN) No dout firsttime hrd in Au for some yrs (ADXN ed)

NIGERIA R Nigeria Lagos reported 31/1: Min of Info & Culture Prince Tony Momoh electronic media can be privately owned by presidential decree; feeling is that private owners would more likely advance own interests than nation's. The extl svc of FRCN would not be commercialised, lest this undermine Nigeria's for pol-icy (WBI 5/2)

NORWAY Norwegian weather forecasts for Atlantic seamen are proposed for M88: 1455 on 15310, 2255 on 9605, 0055 on 9615, 0255 on 9650 (Feb ADXN)

PALAU RNMN reportd 11/2: High Adventure may put this new country on SW; Don Otis says land-based location planned either here or in Philippines; studio eqp ordered and xmtr will be used HCJB 100 kW RCA, to be refurbished by a staffer who once built these for RCA. Plans for ship site abandoned; decision on Palau or Phil within the next month (WBI 19/2)

PANAMA El Siglo reported 20/1: Prosecutor Alfredo Jiménez reopened radio stns KW Continente and R Sonora yesterday morn after 7 months illegal closure. KW Continente closed 8/6/87; Owner Rodingo Correa said facilities in disastrous condition; most affected by disuse was xmsn tower, not studio. Said would follow same line as in past w/vy responsible nx bulletins; "we did nothing to warrant our closure" Said would file suit against authorities for damage caused. Monitoring 22-24 Jan: R Mundial, 810 kHz, obs since 2050 22/1 bcng only mx. So far, R Continente unhrd on former fq 700 (WBI 29/1) Monitoring 20-31 Jan: R Sonora and KW Continente, two opposition radios sharing facilities, obs back on 1120 & 700 resp. R Mundial resumed 810 20/1 but off abruptly 1714 28/1 (WBI)

La Prensa reported 9/2: At 1900 yesterday, Ministry of Govt & Justice offls ancd closure of radio stn La Exitosa, and affiliates in interior. This was reported to Ramón Jiménez Velez, stn's nx dir, who was at stn w/staff at the time. At same time, R Chiriquí in David was closed. No further info. As justification for closure, resolution says in past few days stns of Exitosa net repeatedly involved in activities calling for crimes to be committed and violation of constitution and law. Compounded by phone ivs from abroad calling for total paralysis and mily occupation of country, and for a general strike. Stns affected include flagship in Panama City and stns in La Chorrera, Colón, Chiriquí and the Central Provinces. Monitoring 6-14 Feb: At apx 1345 9/2, La Exitosa on 740 obs xmtg only unmod carrier. Other net stns on 1390 930 800 also unhrd. Opposition stn R KW Continente not hrd on usual 700 since 6/2. R Mundial, 810; Monumental 990; Vergo 550 operating only sporadically during period in question. But R Mundial obs on air apx 1705-2000 14/2. Extra ran open letter from René Hernández, GM of R América, 11/2 saying he is resigning immediately; difficult to practice journalism during crisis. Extra reported 12/2 that Vladímir Hernández [related?] is new GM; René is accepting post as VOA correspondent; R Am is on 1380 (WBI 19/2)

PARAGUAY R Nacional Asunción, 15210, hrd from 2200 in Spain, per REE DX pgm 31/1, but no sign of it here despite many checks; REE DX items should be re-garded w/caution (Ernie Behr, Kenora Ont, 11/2) Well, Vashek Korinek, South Africa reported hearing this in Dec, via NU, Radio Nuevo Mundo, DXLD (gh)

R Encarnación, 11945, believed the one at 0815 tho no ID due to poor strength. Latin format, fading down by 0845. Channel blocked by China from 0900. Relays MW svc, reactivated after some years inactivity. Also carries R Nac at certain times. Audible amost nightly, but never reaching any great heights. Needs more work for definite ID; 13/1 (Craig Seager, NSW, ADXN) Tent, seems *0800, fluttery polarsigs, SP anmts, tangos to 0830+ 4/2 (Padula, Vic, ibid) Robert Shepherd also hearing this around 07 (ADXN ed.)

PERU R Unión, Lima, 6118, up from regular 6115, 0915 6/2 w/mgs, ads, mx (Mick Ogrizek, ADXN) Llano usually the one here but absent 30/1 (Seager, ADXN)

As result of new law, individuals not permitted to possess forn currency, so don't send US\$ w/your reports. You might get your verifier in jail! (BDXC & ADXN Feb)

PHILIPPINES Monitoring 23/1: Deutsche Welle in Std CH obs 1230-1350 9690. Not //DW 12-1320 from W Germany & Malta xmtrs. Ant bearings, prop suggest may emanate from relay xmtr in FE. RNMN and RSI SCDX reported 10/12 & 19/1 that DW concluded relay agmt w/R Veritas Asia, Manila; new xmsn is shown in DW pgm guide for Feb (WBI 29/1) But BBCMS headed this FRG & plays up the Far East angle, so apparently not convinced it is RVA (gh)

POLAND PR ancd 30/1: At 2300 31/1 there will be a 30-min pause in xmsn of Pgm I to retune xmtr from 227 to 225 kHz. In line w/1/2 plan to move LW stns from 200 to 236 kHz two kHz lower: 198, 207, 216, 225, 234 (WBI 5/2)

PORTUGAL RDP Rádio Comercial reported 22/1: R BCing Bill finally passed yesterday. Will bring about closure of existing illegal radio stns (WBI 29/1) RDP Intl reported 7/2 about its cooperation w/bcers in PT-speaking Af countries; agmts w/all but Angola on prof training, tech support, pgms, rebcing etc. RDP-1 rebcs pgm from Cape Verde; PT lang lessons for PALOPs [PT-speaking Af countries]. Re RDP Intl which has large audience in PALOPs, in 1987 we bought ant to beam SW sigs to Af and this year will buy xmtr for RDPI Intl to cover Af (WBI 12/2) Thought they already had such capability (gh)

ROMANIA R Bucharest, in EG: 02-03 Am 11940 11810 9570 9510 6155 5990. 04-0430 Am same. 0530-06 Af 17720 15380 15340 11940 11840 9685. 0645-0715 Au on 21665 17805 17790 15335 15250 11940. 1045-11 exc Sun Eu 15405 11940 9690. 12-1230 As 21665 17720 15380. 13-1330 Eu 17720 15405 11940 9690. 15-1530 As 15335 15250 11940 11775 9690 9510. 1730-18 Af 11940 9685 9570 9530 7135 7105. 1930-20 Eu 7195 7145 6055 5990. 21-2130 Eu 7195 7145 6055 5990.

Romanian: 0130-02 Am same as EG. 0715-0810 Sun to seamen ME/Af 17790 17745 17720 15370 15335. 0815-0910 Sun same on 17790 17720 15335. 0915-1010 Sun seamen Am 11940 11775 9665 9590 9570. 23-24 Am 11940 11810 9570 9510 6155 5990.

Other bcs to Am: 00-01 SP, 01-0130 PT, 03-04 SP same fqs as EG & RM. 2130-22 PT 11940 11810 9570 9510 7145 6155 5990; 22-23 SP same minus 7145 (WBI 29/1)

RWANDA DW Kigali relay has this M88 sked: 7225 0330-06, 10-1130, 15-18 Af. 9565 03-06 Af. 9640 00-03 WAF/Ams. 9690 22-24 WAF/Ams. 9735 10-1130, 15-22 Af. 11810 14-15 CAF/EAF. 15270 22-03 WAF/Ams. 15410 1130-14 WAF, 14-15 CAF/EAF. 17780 09-10 China/SEAs/Oceania (note: //xmters in W Germany). 17800 1130-14 WAF. 17860 18-22 WAF/LAm. 21650 09-10 SEAs/Oc (Bob Padula, Feb ADXN)

SAUDI ARABIA BSKSA on 9720, from 1830 EG nx, 1850 pop mx & EG tlks past 2030; strong 1/2, //9705 weak in QRM; also IDs as R Riyadh (Ernie Behr, Kenora Ont)

BSKSA, Riyadh/Jiddah, ES: 04-05 Somali 17840. 04-06 Turkish 15060 11685. 05-06 Swahili 15275 11910. 06-0815 Holy Koran to northern half of As 17740 11730. 0815-10 Holy Koran to southern half of Asia 21495 17895. 10-12 Indo 21495 17895. 10-14 Holy KoranAf 15170. 12-13 Bengali 15345 11825. 13-15 Urdu 15345 11825. 14-16 French Eu/also domestically in SA 9720 9705. 15-16 Turkmen to USSR, Iran, Afgh 9730 7210. 15-19 Holy Koran Af 7250. 16-18 Persian 9560 7190. 16-21 EG Eu 9720 9705 also bc domestically in SA, incl nx 1830-1845, 2045-2055 and Saudi nx 1845-1855. 18-19 Bambara Af 7275. 19-21 Holy Koran ME/Af 9740 7275 7250 (WBI 5/2)

SENEGAL ORTS pgms are in French, Oulof (Wolof), Pulaar (Poular), Sonike (Sarakhrole), Seereer (Serere), Joola (Diola) and Mandjackque. R Senegal Natl Svc, Dakar: 0558 (Sun 07)-0830 on 4890, 0830-1515 7170, 1515-2400 4890, and on 756 [sic four times] thruout. Pgms include 0558-06 NA & S/on. 06-0603 Senegal-Express nx summary in FR, and again at 18-1805, 2355-24. Nx in FR 07, 0750, 13, 20-2040, 22-2240. Nx in Oulof at 0630-07. Some nx relayed by "Intl Svc" on 7210 1305. Natl svc also on several low-power MW xmters.

R Senegal Intl Svc, Dakar: 06-08 M-Sat 1305. 08-12 Sat/Sun 1305 and from 10 on 7210. 12-14 daily 7210 1305. 14-18 Sat/Sun 7210 1305. 18-24 1305. All but last xmsn in FR; it is multilingual w/PT, AR, EG at 1805-19. This svc may also relay some addl nx from Natl Svc. In past, intl svc also hrd on 11895 4950, but both believed inactive.

Regional svcs: in Ziguinchor on 6180 & MW, Tambacounda on 6045 & MW; Kaolack & St Louis MW only; no further details (WBI 12/2) See DXLD-19 for such details

SOUTH AFRICA Many revisions, including retimed EG in R RSA M88 final sked: EG: 02-0356 NAM +9580 +11730 9615. 04-0426 EAF/ME +9580, CAF 5980, WAF 7270. 11-1156 EAF/ME 15225, CAF 9580, WAF/Eu +21590 +17755. 14-1556 EAF/ME 15125, CAF 9655, WAF/Eu +17755 21590 [Sat & Sun ONLY--not clear whether this applies to 9655 or 21590 or entire xmsn]. 18-1856 Eu +17880. 19-2056 C&EAF 11900 7270, WAF 15225.

Other langs, complete: 0430-0530 Chi-Chewa +6065 4990. 0430-0626 French C&WAF/Eu 11880 +15225, Indian Ocean islands on 9585. 0830=1000 Sun Afrikaans Kenya/Tanzania/Zimbabwe 15225, Neth/Belgium 17795 +21590. 09-0956 Swahili to Kenya/Tanzania/Zaire +9580 11880. 09-0956 Sun Tsonga to S Moz 7270. 09-0956 Neth/Belgium Dutch +21590. 10=1056 German Eu +21590. 11-1156 PT Angola/Cape Verde/Guinea Bissau 11880, Moz 7270. 12-1256 FR C&WAF/Eu +17755 15225, IndOc 11880. 15-1756 Lozi Caprivi & Zambia 9590. 16-1656 Swahili Kenya/Uganda/Tanz +11730 9655. 17-1756 Chi-Chewa Malawi/Zambia/Zimbabwe 7270 4990. 17=1756 GM Eu +17775 15240. 18-1856 Dutch Neth & Belg +17775 15240. 18-1956 FR Eu 15125, WAF/CAF +11745. 18-1856 PT Angola/GB/CV 11900, Moz 7270. 19-1956 PT Eu 11870 +15240. 20-2056 Spanish to Angola 11745. 22-2256 PT Bzl +9580 11870. 23-0056 SP NLAf +9580 11870, SLAm 6065. + means 500 kW; others are 250. = in time means one hour earlier from 27/3 (R RSA)

SAPA nx agcy reported 3/2 from Durban: Between 62 and 79% of population groups in SAF regard radio nx svcs of SABC as credible, the Corp reports. Survey conducted for SABC by private org revealed that 70-80% of those questioned believed SABC TV svc to be authoritative. Credibility figure for newspapers is 41-48%. Survey shows 59% of whites questioned said TV nx their most important nx source. Radio: 36%; nxpapers 23%. 68% of blacks questioned said radio was chief source of their nx, 53% said TV, 20% newspapers. Among Coloureds questioned, 53% said TV their most important news source, 40% radio. 60% of Indians questioned said TV was their main source of info and 25% said radio was (WBI 12/2)

SUDAN Monitoring research 31/1: National Unity R, Omdurman obs 31/1 to 1503* on new 9435 (WBI 5/2) [Cf Feb LN] tnx for the confirmation. Did you by any chance get tipped to this the day before by Ernie Behr's item I had on RCI? If so, you owe us the courtesy of saying so in this and any other case (gh)

SWEDEN R Sweden International and 26/1: as from 1/2 our name is once again

officially R Sweden, without the "Intl". The title w/Intl could not be translated into some of our pgming langs. (Ed note: Intl was added in 1981) (WBI 29/1) May've been cumbersome, but obviously they managed to do it for 7 years. I wonder which was worst: Russian? I don't recall their saying "Mezhdunarodnaya" And Swedish was "Utlandsprogrammet," literally the external program. Let's hope this starts reversal trend, as so many more stns have added the unnecessary suffix (gh)

SWITZERLAND Swiss R International [!] reported 12/2: There are to be more radio bcs in Switz's fourth natl lang, Romansch. R DRS, catering for audiences in Romansch- and German-speaking areas said it'd intro one extra hour per day from May, and also planned to create addl postreporting aboutcurrent affairs in Canton Graubunden to strengthen its presence in the region. (WBI 19/2)

TANZANIA Recent study of school bcs reveals nearly all primary and secondary schools to which bcs are aired have no radio rcvrs. And the few radios which were found were eitherbroken or lacked batteries. Lessons bc every morn Mon-Fri totalling about 40h of radio time wasted every week. Regional education officers explain that some students even stayed home from school in order to listen to the bcs from their family rcvrs. One possible solution suggested was to advise parents to volunteer their rcvrs and powercells, but in the past five years, the items have been in vy short supply thruout country. When rcvrs become available, batteries are lacking, and vice versa. This may render the school bc pgm and the whole Universal Primary Education pgm completely ineffective (DX Kuuntelija, via IDXDI Asian DX Review Nov)

R Tanzania reported 4/2: RT newsroom for past several months had no telex or teleprinter svcs since these pieces of vital eqp for rcving local and overseas nx borke down. PO techs who svc eqp failed to appear duringwhole period, despite breakdown reports sent them. Earlier, techs claimed lack of transport so we have to collect them. Later maintained that lines from PO to RT had broken down. In order to receive forn nx, we are forced to go to PO extl telecomms bldgs where there are machines to receive forn reports, or listn to nx bulls such as those from BBC, forn countries. For local nx, we are forced to collect it from Shihata [Tanz nx agcy]. RT reporters currently inTabora for 11th CCM anniv celebrations unable to communicate immediately w/RT nxroom to report on current events. Also faced w/telephone problem. For a week now, comms betw BCing House and outside world precarious as result of fqt breakdown in phone svcs (WBI 19/2)

THAILAND The Nation, reported 7/2: Royal Thai Air Force will revive plan to set up TV stn which could alert Bangkok well inadvantage of possible air raids, AF chief Woranat Aphichari [love those Thai names! -gh] said yesterday. Apart from regular pgms, RTAF-TV'd promote defence system, periodical drills. 1983 survey showed 827,000 of city's 938,506 households had TV sets; even more now. Regular pgming would be interrupted automatically when radar detects enemy aircraft entering Thai airspace. If approved, would be on air in a few years, on UHF rather than current VHF. RTAF proposed plan in 1985, same time as similar one by PRD to set up ch 11 w/tech help from Japan. That started being mid-87 on one-year trial. Bangkok has 5 TV stns and Army owns two of them (WBI 12/2) When that unlikely air-raid comes, guess those unlucky enough to be watching one of the other channels would not be warned. Bright idea: why not have emergency-over-ride warning asrequired on ALL channels? (gh)

TOGO RTT Lomé, 7264.84, from 0630 Afro mx, 0635 FR nx, 0650 pop mx; strong sig, but low mod Sun 31/1; much earlier than in WRTH 86 sked, and seems Sat/Sun only. (Ernie Behr, Kenora Ont) For a discussion of the usefulness and pitfalls of such precise frequency readout by Ernie and editor David Newkirk, see the latest Enjoying Radio, in DX LISTENING DIGEST No. 19, \$2 from gh (gh)

TURKEY New ants for VOT inaugurated in Oct 1987, coupled to 500 kW xmtrs. Variations in ant directivity can be made within 3 mins, with up to 180 degrees change. Stn ancs that these new facilities will improve coverage in 1988 (Bob Padula, Feb ADXN) More clearly and w/less QRM (WBI 19/2)

U S S R Apparent new 60mb outlet on 4875, RS svc 1935 2/2, severe QRM at 2000 by Sorong s/on (Bob Padula, Vic, ADXN) Bob Hill also had this as uNID; here's the answer courtesyour friends the pros at Caversham (gh) Monitoring 7-10 Feb: xmtr on 4875 obs apx 1530-2100* 7-9 Feb. 16-1930 c1 & lite mx w/anmts in Georgian. +1600 & 1930-21 AUR Mayak pgm from Moscow relayed. Also 10/2 apx 02-05, not //Georgian R's First pgm from Tbilisi on 5040 (WBI 12/2) Monitoring 11-17 Feb: 11/2, 4875 Mayak *02-0450 then Georgian anmt "Tbilisi speaking," pgm pww

to be followed by folksongs, 05 literary pgm, 0550 ?, 0750 ?. Xmtr also hrd 11-16 Feb from apx 1545 Mayak, 16-1930 Georgian R pgms, mainly mx, w/anmts in GE. Mayak again 1930-2100* 11/2 apx 1700 confirmed that 4875 //Tbilisi 1044 = 2nd pgm (WBI 19/2)

Estonian R First Pgm, Tallinn, portion on SW 5925 in DS: Sun 08-0930 Finnish & Swedish (also ES); Sun 0930-1000 [Estonian?]. Sun 14-15 Reporters' hour. Sun 15-1505 Intl Nx. 16-1630 exc Sun Finnish pgm also ES. 1630-21 various DS incl 17-1730 Echo of the Day nx mag; Tue 19-20 Family & Home, repeat of Sat 05. 1930-20 Thu Health repeat of Vikerraadio Sat 1500. 20-2010 daily intl & Sov nx. 2050-21 Nx in Russian, relay AUR First pgm (WBI 29/1) Summer: -1 hour

TASS reported 24/1 from Yakutsk: The word "Gevan" in lang of many northern peoples means "Morning Dawn" Now is callsign of spl pgm at new Yakutiya stn, aired for first time today. Last about half hour, devoted to the Evens, Evenks, Chukchis and Yukaghirs living on Arctic ocean coastline, in Aldan mtns, and in the Olekma tiaga. Scientists, artists, specialists and those active in folklore ensembles of nationalities are taking part in work of the new radio stn (WBI 29/1) Time, fq???

TASS reported 3/2: Maykop - Soviet Adygeya - start of radio bc for abroad. Adygeya has become yet another Soviet Republic [sic] which conducts bcs for abroad. (BBCMS ed note: Adygeya is an autonomous oblast w/in Krasnodar Kray, RSFSR. No further details rcvd) (WBI 12/2)

RM NAM svc Moscow Mailbag pgm w/Joe Adamov 7/2 answered question about bc-ing: FM stereo in some 80 cities. 115 TV stns reaching 93% of population, 45 langs, satl svcs, 90 megasets but cable TV in infancy. RMWS sometimes reads nx bulletins live. For 8 yrs during the war and after, I read all our pgms live. We worked every day until 7 am, "leading the American way of life". I was the one that instituted going over to recordings (WBI 12/2)

Govorit i Pokazyvayet Moskva reported 1/2 on Mayak pgming [UTC here, but one hour earlier from April due to DST]: Mayak Panorama weekdays 03-07, Sat & Sun 06-10. Plans to add eve ed 19-21. Humour pgms weekdays 0005 & 0405; Tue & Sun 1635. Red, Amber, Green - road traffic pgm, Fri 1535, repeated Sat 0035. Yunost Field Mailbag, ltrs from young svcmn to relatives and friends, 0205 & 1705. News of Union Republics weekdays 1430 [item pointed out by Kornek last month]. Press reviews during morn Panoramas; Izvestiya review at 1600. Mon 05 rvw [sic] of coming week's radio & TV pgms based on material from this publication. Spl Mayak sports bulls 1230 & 20 daily. The 17 & 2030 bulls give detailed wx. Choice of mx kept vy flexible so that e.g. disturbing nx reports are not followed by inappropriate jolly tunes (WBI 12/2)

Krasnoyarsk Kray Radio, Krasnoyarsk on 5290 and 216, in Russian 22-18; one hour earlier in summer. Relays AUR pgm 1, i.e. Orbita-3, aka MIC except as follows: 2330-2335 Sun-Thu wx & pgm pwv. 2335-2350 M-Th nx. 2335-2400 Sun Ra-bochiy Kray nx magazine. 2350 -24 Tue & Thu Krasnoyarskiy Rabochiy press rvw. 0000 Sun "Monday" youth pgm. 0000 M-Thu Rabochiy kray. 0015-0020 Sun wx & pgm pwv. 0015-0030 Sat Nx. 0020-0020 Sun anmts. 0030- Sun Mx. 0030- Sat pgm for Young Pioneers. 0125- Sun Feature irreg. 0125 Sat Kray press review. 0135-0145 Sat anmts and ads. 0145 Sat local feature. 0145-02 M-F Pravda review. 0315- Sat mx. 0415- M-F Mx. 06-0610 M-F Nx. 0610-07 M-F Concert/mx & anmts. 0715-0745 Sat pgm for Young Pioneers. 0745- Sat mx. 11-1155 Sun mx. 1115-1120 M-F pgm pwv and wx. 1120-1130 M-F anmts and ads. 1130-1140 M-F entertainment. 1140-M-F nx. 1155-12 Sun pgm pwv and wx. 1155-12 Tue & Fri Agricultural diary. 1155-12 Thu Timber diary. 1215 M-F entertainment. 13-1340 Sat Mx. 1340-1345 Sat wx & pgm pwv. 1445- Wed local pgms, irreg (WBI 12/2)

R Stn Peace & Progress in EG to As 14-1430 on 7440 9550 9790 11835 15470, and from 6/3 also on 9635 17560. EG Af/ME 1630-17 on 5935 6005 7260 9470 9490 9515 9675 9715 9760 9860 11670 11745 11850 11980; and from 6/3 also 9745 11880 12055 (David Martin, Mansfield, RA JP DX Time 14/2) sure they don't drop some old fqs when they add new ones? Also, the 1630 bcs to Af & ME are separate and fqs should not be mixed in together (gh) From 6/3, addl use of 22mb for RSP&P: 1330-14 CH 13700, 1630-17 Persian 13625. Also OOB 12025 is planned for 0130-02 SP, 01-01½ PT, 01-0130 Tue & Fri Guarani. EG As: 14-1430 17560 11835 9635. EG Af 1630-17 11670 11745 11850 12055 12030 9490 9470 9515 9760 9745 (Lucio Coceani & Mick Ogrizek, ADXN Feb) Full sked now shows proper fqs, ending in 0 or 5, rather than previous vague listings (Bob Padula, ADXN ed.)

R St Yunost, hrd on 4485 from 0615 RS, 0700 ID "Govorit Petropavlovsk-Kamchatskiy" and own RS pgm, vy strong 25/1. R St Maladyózhneya on 11950 from 0530 in RS to 0609, another Youth Stn diff from Yunost & produced in Alma-Ata, hrd UTC Sun 7/2 w/strong sig, but //9780 poor in QRM. Arkhangel'sk, 5015, from

0200 Mayak pgm; Murmansk, 5930 from 0300 RS 1st pgm; both vy strong in late Jan, but no trace of Petrozavodsk on 4780 or 5065, which I haven't hrd for past two years; seems Karelia is now DX history and off SW for good.

R Kiev, 7150, from 2200 in UK, strange relay varies daily; 4/2 was // & in phase w/7135 & 7400, 9/2 was 6 sec ahead, 23/1 had 7 sec delay (Ernie Behr)

U K O G B A N I VOA-Wooferton, 6033, unusual for them to be off-fq, but giving Sofia a free run on 6035 this day, 0647 9/2 (Craig Seager, ADXN) Sure it wasn't 6032.5--indicating a deliberate split experiment? Hmm, I never see a decimal point in ADXN fq listings--since many rx read out to 1 or 2 decimal places, and the skilled DXer can interpolate even those which do not; and since we surely know a great many stns if not VOA are off-fq to decimal points, I must conclude that somebody--reporters or more likely the editor--is deliberately rounding off measured split fqs before printing them. This bane is not limited to ADXN, but also has been admitted to by a SPEEDX editor, and it is rumoured to be done even by a NASWA LR ed!! Come on, if a fq can be measured to one or two decimal places, editors should print it that way, and not go around nullifying this fine work by rounding everything off! My queries to the Aussies are unfortunately rhetorical, as they never reply, and perhaps never even read them! (gh) Also see comment under TOGO

U S A WCSN xmsn pattern of World Service = News, vs Herald relig pgm which is in EG, FR and GM. 12-14 is Herald only 7 days a week, FR/GM 1314-1354. So is 14-16, w/FR/GM segment likewise 1514-1554. 16-24 is WS Mon-Sat and Herald on Sun w/FR/GM segments at :14-:54 past odd UTC hours. 00-08 is WS UTC Tue-Fri; Herald UTC Sat-Mon w/FR/GM all 3 days :14-:54 after odd UTC hours (from WBI 29/1)

KVOH, V of Hope, 00-01 9495, Mon-Fri 01-0215 9495, 15-16 M-F SP 17775, 16-20 daily SP 17775, 20-2355 EG daily 17775. Apart from pgms listed here, most of KVOH's output is religious [sic; actually, religion finds its way into nx --and how does Rotten Ronnie always sign off? -gh] EG nx: 00-0005 M-F, Sun 00-0020, Sat 00-0030, Sat & Sun 0053-01; M-F 01-0105, 0130-0135, 02-0205. M-F 20-2005, Sun 20-2012, M-F 2030-2035, Sun 21-2105, M-F 21-2112, Sat 21-2130, M-F 2130-2135, M-F 22-2205, Sat/Sun 22-2215, M-F 2230-2235, M-F 23-2310, Sun 23-2320, M-F 2230[sic, means 2330]-2335. Also Business report M-F 2020-2030; & M-F 2035-2045. Globalcast M-F 2045-2100. US Presidential msg: 20-2015 Sat [it's only 5 mins, 6 max -gh], Sun 2020-2030, Sat 2215-2230, Sun 2245-23.

SP nx: M-F 16-1620, 17-1720, 18-1820, 19-1910 (WBI 29/1)

WYFR noted on 9860 in EG relig svc 2315-2330//17612.5 also hrd; may have been error for 9680, as not audible on 9860 next day, 23/1 (Bob Padula, ADXN) But his style probably means the original day hrd was 23/1 & next day 24/1. If one put the date next to the time where it belongs, this would be clear (gh)

In new series on Sunday edn of VOA Morning, host Russ Woodgates and VOA's ag ed Rob Sivak answer listeners' questions from arnd world on all aspects of ag. To participate, type or print question on postcard and send to Agriculture Notebook, VOA Sunday Morning, VOA, Washington DC 20547. If your question ans on air, you'll receive a copy of colorfully illustrated Yearbook of USDA, a volume full of interesting facts and useful info about current trends in intl ag (Nov IDXCI ADXR) Fortunately for VOA, American farmers are not eligible to participate (gh)

TASS reported 25/1: almost 35 million Americans listened in to a "Children Talk to Children" radio-bridge organised last Sun on initiative of R Moscow and WAVA, a major Washington radio company; lastd 2 hours, and relayed by series of stns in Los Angeles, NY, Indy, Mpls, St Louis as well as Wash. First such meeting. WAVA selected 5 US schoolkids out of a kilo who wanted to take part. Others participatd by phone. Agreed to do it again this spring. WAVA per BBCMS records, is based in Arlington VA (WBI 5/2) Vy nice, but 35 megaAms is surely greatly exaggerated for a radio pgm bc in only 6 cities!! (gh)

URUGUAY R Montecarlo, 9595, from 0100 SP nx, 0112 Aquí Roma SP nx from RAI, 0118 PT nx from RAI, 0125 own SP pgm to 0202*, 28/1; ancd RAI addr in Montevideo, but no IT nx & time varies (Ernie Behr, Kenora Ont) So not //RAI SP & PT nx on SW sked at about same times? (gh)

VIETNAM VOV, Hanoi, 12018.9, from 2330 EG pgm & mx to 2358*; vy strong 6/2 (Ernie Behr, Kenora Ont)

WEST BERLIN ADN nx agcy, Berlin GDR reported 1/2: Under headline Fiction & Fact, Neues Deutschland contry tomorrow: The most varied fqs are being used in

the ether at the moment in order to mislead citizens of FRG, Berlin (West) & GDR. This has already been happening for decades. But this stn calls itself "Glasnost", misusing a word in order to carry out counter-revolutionary propaganda against GDR. Necessary to unmask this stn and its sources of money. It favors a return to the cold war; it is against peaceful coexistence and will harm relations among the three German entities.

TASS commentary by Igor Osinsky, 10/2: New voice appeared among chorus of subversive Western stns beaming at socialist countries, xmtg from W Berlin. Not noteworthy except that it is called "Glasnost", a positive term meaning openness. This xmtr is obvious anachronism, relapse to psywar. Assuming in self-styled manner duties of guardians of human rights in Socialist society, disinfo experts distort reality, stir up anti-state sentiments among GDR population (WBI 19/2) Not a hint as to what "the most varied fqs" are. I wonder if this is actually a new operation by RIAS? (gh)

YEMEN SOUTH BY SOUTHEAST Aden currently on 6005 instead of usual 5970, AR songs and anmts 2100, s/off w/anthem at 2130 after short nx roundup, QRM RIAS co-channel, 12/2 (Bob Padula, Surrey Hills, Vic, E Australia)

YUGOSLAVIA R Yug on 5980, from 2215 EG, 2230 FR pgm to 2243*, 555 sig 10/2; also on 11735 from 1500 in AR to 1525*, using 500 kW xmtr (Ernie Behr, Ont)

CLANDESTINE CRANNY R Sierra Madre, V of the Free Philippines Radio ng Bayan, Quezon City, reported 23/

1: Natl Telecomms Commission has started search to locate xmtr used by Communist Party of Phils for cland RSM, VOFP on 26/12. NTC commissioner José Luis Alcuaz says comm is working w/military in looking for xmtr and other bc eqp used. Would also help ID techs and engrs who set up xmtr. In report to Transportation Secy Reinerio Reyes, Alcuaz said comm setting up bc facilities to jam cland bcs of CPP (WBI 29/1) Manila Chronicle reported 1/2: CPP 30/1 boasted in its cland bc that mily arm New People's Army now has 83 combat battalions and 30,000 full and part-time guerrillas all over country. During bc of stn [Tagalog: Radyo Sierra Madre - Tinig ng Malayang Pilipinas] at 1300 gmt Sat over FM channel 106-107 [sic], an unused fq, CPP spoxeman Fidel Alinea said NPA's combat battalions include 15 in Visayas, 32 Mindanao, 16 in areas controlled by Moro NLF and Bangsa Moro Army and 20 in Luzon. Bc which was preceded by revly songs, marred by static and long pauses. After 30 mins, pgm cut off air w/out formal s/off. Around 1350 only faint singing of revly songs could be hrd. Sat's bc was 2nd by rebels since 26/12, CPP's 19th anniv (WBI 5/2) Manila Chronicle reported 2/2: Col Oscar Florendo, armed forces spoxeman, described rebel [CPP] statements as "another desperate and exaggerated attempt to bolster their own morale and destabilise country". Mily described 2nd bc as "vy weak and vy crude" citing poor reception, static, long pauses during hour-long bc. Florendo said mily monitored entire bc but couldn't locate exact spot from where Alinea was bcng. Apparently moving from one position to another to escape detexion by mily's comms experts. But said Alinea bcng only in Metro Manila and not in SM mtn ranges as rebel spoxeman tried to make it appear (WBI 12/2) AFP reported 9/2 from Manila: Cland bcers claiming to speak for commie rebels 8/2 called for establishment of coalition govt w/Pres Corazón Aquino to prevent civil war. During 4-hour bc monitored by AFP correspondent in Dipolog City, Mindanao, spoxeman said NDF prepared to join political mainstream if allowed to 'share power' w/govt under 'collective leadership'. Authenticity of bc, which had 15-min breaks every hour, not immediately established. During bc, man calling self Rafael Rojo, and woman Ligaya Magtanggol claimed to be spoxemen for VOFP, aka RSM. Bc monitored 10-14 on unused FM fq. Cland stn earlier made two bcs on Luzon using same name. Mily techs in Mindanao said bc beamed from ship sailing at 12 knots betw Dipolog and Bohol, roughly 650 km S of Manila (WBI 19/2) Silly clannies don't know enough to use SW...

V of National Army Democratic Kampuchea unID on 5408 in Khymer [sic] at 1105 local mx and strident anmts; seemed too strong for Phnom Penh, so maybe this cland, ex-5200 which was jammed, 8/2 (Craig Seager, NSW, ADXN) On 5199.8, from 1400 VT pgm to 1430*; fair w/QRM or jmg 27/1; via Kunming, China? (Behr, Ont)

V of the People Evidently stn on 6600 is this, at 0945, not Pyongyang. Not // KCBS or Pyongyang BS fqs; is new anti-NK opn, presumably from south, 26/1 (Craig Seager, NSW, ADXN)

V of the Ahwaz Revolution hrd again w/AR pgm in progress at 1650 25/1 on 1224

kHz. Pgms hostile to Iranian govt hrd until 1730*. Further pgms ancd for next morn. Shortly afters/off, 1224 joind 1377 and 909, fqs carrying sked pgms from Iraqi radio in Baghdad. V of Ahwaz Rev bcng since beginning of 1981, but untraced for almost 3yrs (WBI 5/2)

Palestinian Arab Radio "Jerusalem" [under SYRIA in Feb LN] Stn anmt in AR at 1452 25/1: Jerusalem (Araic: Al-Quds), the Pal Arab R for libn of land and mankind, rcvd many msgs and appeals from leaders of Pal resistance. From tomorrow we'll bc msg of Ahmad Jibril, Secy Genl of PFLP-GC [Popular Front for Libn of Palestine -General Command].

R Baghdad V of Palestine pgm in AR, 1750 25/1 ran c/qué to 'our heroic masses in occupied Palestine': stn which recently began xmsns from Damascus, seeks to don Pal clothes. Began xmtg campaign of disinfo and distortion, placing names of our strugglers on lists it claims as being those of enemy agents in heroic Gaza strip. We in the VOP Rev, voice of PLO, urge our heroic masses to guard against such suspect radios out of concern for our heroic strugglers' reputation, whose militant record the enemy seeks to tarnish.

Hadashot, Tel Aviv, 26/1 ran Itim = Israeli nx agcy report: Israel may have to jam bcs of new Pal stn apparently bcng from Syria. So says Edmond Sehayek, Head of V of Israel Arabic svc. Many residents in [occupied] territories are listening to new Pal stn. Itv has mentd names of Arabs employed by Israeli civilian admn in terrs, addresses, names of children, calling on them to resign. Israeli mily sources say bcs are inciting harm to these people. New stn apparently began bc on 1/1. Includes Pal songs, nx, ivs, anmts by terrorist orgs and calls on IDF to lay down arms. Child's voice calls on Pal kids to throw rocks using slingshots. Stn apparently rcvs updates from supporters in terrs. One listener said 'contents of manifestos bc w/in hours of their circulation'.

Pal Arab R Jerusalem ancd in AR 1546 25/1: Short while ago, head of AR section at Zionist enemy radio, the terrorist Edmond Sehayek, threatened that Zionist authorities are thinking of jamming your radio. Brothers in the whole of Palestine! Before Zionist authorities undertake this, we inform you we will always be able to transmit. Whenever the Zionist-American authorities jam your radio, you will find your voice on another fq w/out prior anmt by us.

Hadashot 27/1 interviewed Sehayek: IBA Dir Gen Uri Porat has instructed his secy to notify Edmond Sehayek, dir of Isrel radio's AR dept, that he is barred from giving ivs to IDR radio and to educ TV's Erev Hadash pgm, due to his remark on jamming xmsns of the Jibril radio stn emanating from Syria. Sehayek had ancd he intends to give ivs to whomever he pleases. "I am not authorised to jam xmsns, and the radio is not geared to jam xmsns," he said, adding that his remark were taken out of context. [Reporter:] What did you actually say?

[Seyahek] Correspondent asked me whether Jibril's stn in Syria presents competition to our AR bcs, and I said it does not. Anyone who listens to us will continue doing so, because we are more reliable. Stn bcs only inciting msg. I added we cannot jam it bcs, because a powerful xmtr is needed for that.

[Reporter] Do you believe the stn is hurting Israel? [Sehayek] Yes, it has a wide audience. [Reporter] Then you are in favour of jamming their xmsns? [Sehayek] I'd not invest efforts and resources in this now, but I think authorities should treat matter seriously. Am familiar w/audience Jibril stn targets and believe atmosphere nowadays ripe for this stn. But I prefer to think that listeners are sufficiently intelligent to understand goal of stn from Syria and treat it w/reservation. [Reporter] Do you not think that jamming is a matter for politicians rather than for a radio director? [Sehayek] I agree that as AR radio dir I do not jam, cannot jam and do not have the instruments to jam. I am not in charge of jamming. I leave that to policy makers (WBI 29/1)

Monitoring 28-29 Jan: Pal Arab R Jerusalem (Arabic: Al Quds) obs bcng mostly in AR on 702 kHz. Material in Hebrew is mainly stn anmts like those in AR & other langs. But ocll vy short statements in HB made. Per RN correspondent reporting for Media Network 28/1, these include appeals to Isr soldiers to lay down arms and cease fighting Pals. Duration of HB material during 9 hpd output does not exceed 5 mins. Also obs similar appeals in EG. But EG appeals vy rare and not hrd daily. On one or two occasions, hrd w/2-min nx in EG. Not obs w/appeals or nx in any other langs, tho has ID anmts in many such as FR, RS, giving xmsn times and fqs. (BBCMS ed note: stn went off 702 khz about 1635 31/1; did not resume until 1053 next day. Radio said this due to tech failure. Xmsns then extended beyond morn's usual 1200*. Later said would stay on until 2000 as "a greeting to Nabulus". Normal sked on 702 and unconfirmed FM 105.4 & 96.7 is 07-12 & 14-18. Publicizes PFLP-GC and its leader Ahmad Jibril, and acti-

vities in Syria and Libya. Sig strength of 702 suggest high-power. On some occasions not gone off air betw 12 & 14 but continuous 07-18 (WBI 5/2)

From a talk entitled "Why?" on the stn 5/2: Zionist radio dir & AR svc head attacking Al-Quds radio, instigating authorities to find way to silence our voice. Why does our voice annoy them? Why are they upset by our songs, nx and comments? Why, when they claim to be supporters of democracy? They have occupied our land, expelled us, persecuted us. Now they are disturbed because Pal Arab people have share of airwaves. Do they imagine we have any other task than to be the voice of our people? We have the sea, mountains, trees, and a place under the sun. Our voice will continue to be heard. It is for every Pal man and woman... (WBI 12/2)

R Baghdad VOP pgm 11/2 issued appeal by Unifed leadership of uprising in occupied terrs: to all those who manage Al-Quds Radio, we appeal that they refrain from making this radio produce major discord; to refrain from linking nationalistic figures to agent figures; to take into acct that faxional and pragmatic methods by those behind the stn do not serve the voice of uprising. Etc.

Al Quds R ancd 12/2 1441: Since yesterday eve, Am-Zionist enemy began xmtg a whistle on same fq, following several experiments at jamming our radio. Today they've been operating powerful jammer on fq, and many people unable to hear us. As of tomorrow morn, Al-Quds R will xmit on another reserve fq; tell your friends. Stn reported 16/2 1420: Confirmed that Zionist authorities are jamming from premises of old bc stn in Ramallah w/old xmsn antenna. Al-Quds R ancd 16/2 1727: We are xmtg on these fqs: FM 105.4, 96.7. Main MW fq of 702, reserve MW 630, 738, 576, 530. God is with us.

Monitoring 19/2: apx 1400 11/2, het whistle hrd QRMING AQR on 702. 12/2, V of Israel AR svc Net D obs from 1400 on apx 703. AQR on new 630 ex-702 on 13-16/2 at 07-12 & 14-18, its normal daily sked. From apx 1100 on 16/2, het on 630, and on 17/2 stn returned to 702 from *07; after apx 35 mins, QRM here and at 0849 AQR reverted to 630. Not so far hrd on other above AM & FM fqs. Ed note: VOI Nets D, A, C bc on 738, 576 and 531 resp. (WBI 19/2)

TV Marti AFP reported 11/1 from Washinton: US Congress included 100 kilo\$ in study to create TV stn beamed at Cuba, in a huge spending bill signed last month. The 600 giga\$ bill, thousands of pages long, is so huge that details of individual pgms still coming out. Stn'd follow on heels of R Marti, which began in 1985. Cubans who have left island since then say R Marti popular. But govt of Fidel, which controls all Cuban media, angered by it and canceled migration agmt w/US, leading some US offls to express fears about Cuba's reaxion to proposed TV stn. R Marti offls say that TV Marti'd have a greater impact than radio. Jorge Mas Canosa, chmn of Cuban-Am Natl Foundation, which helped found R Marti, says it'd be 10 times more effective, impact difficult to imagine. Frank Calzon, head of a group monitoring human rights in Cuba, said actually seeing effects of torture would have an effect on Cuban offls and population. "They always can say what R Marti said is not true, but if you see someone w/scars on backs and hands, that is something more credible." R Marti dir Ernesto Betancout said people coming out of Cuba "are constantly making comments that this is something the Cubans are anxiously awaiting". Per R Marti, 2.5 megaCubans out of 10 mega listen to the bcs regularly. Mas Canosa said TV stn could be in opn w/in 2 years (WBI 29/1)

P U B L I C A T I O N S DX Listening Digest No. 19 is now available, loaded w/ DX news in format similar to LN but very little duplication of material; also includes ENJOYING RADIO, conducted by David Newkirk, with Ernie Behr on the Kenwood R-5000 receiver; extensive comparison of the NRD-525 and R-5000 by Newkirk; and much more. Samples are \$2, 5-issue subscriptions \$10, 10 issues for \$20, in North America. Exactly the same rates apply to Review of International Broadcasting, which emphasizes programming and comment, plus Radio Equipment Forum and Satellite Watch columns edited by Loren Cox; or both for \$38. From Glenn Hauser, Box 1684, Enid OK 73702 (gh)

I am a Japanese DXer and the other day I ordered a sample copy of DX Listening Digest. It was a brilliant magazine. Now I order 10 issues. (Yasuhiro Tamada, Tokyo) Overseas airmail rates: Carib, NW SAM, CAM \$25; rest of SAM, EU, NAF \$27; rest of Af, As, USSR, Pac \$29; US funds on US bank or postal money order. Cash accepted only at sender's risk; registered mail recommended (gh)

World Broadcasting Information published weekly by BBC Monitoring Service, gives up to date news on developments in world being including: details of diff pgm and fq skeds; being behaviour and tech developments; activities of cland and unofficial bcers. Write: BBCMS, Caversham Park, Reading RG4 8TZ, Berkshire, England, for more information (BBCMS) £350 per annum + postage

QSL REPORT



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"La Radio al servicio del Pueblo"

FRECUENCIAS: Onda Corta 4.8 MHz. 60 mts.
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Desde Puno, Perú

CERTIFICA:

La Emisora escuchada por Sr. Samuel L. Barto
en el Estado Unidos USA es nuestra.
Punto de Puno, de 19

Samuel L. Barto
DIRECTOR

[Signature]
DIRECTOR

[Signature]
DIRECTOR

MAJESTAD BOLIVARIANA DE
PERU

Pereira, O Chefe do Departamento. (D'Angelo-PA).

ARGENTINA: RAE 9690 f/d blue and white "Logo" cd. in 150 ds. v/s Silvana Licciarpi. (Zobro-MI). same w/ schedule in 104 ds. (Edwards-OH). Radio Rivadavia LS5 4588 f/d "Logo" cd. in 134 ds. for a SP rpt. and 1 IRC. v/s Ing. Jorge Armando Falcone. (Cones-VA).

ASIATIC RUSSIA: Radio Moscow 5925 via Komsomolsk-on-Amur f/d cd. in 2 mo. (Eckman-CA). 6020 via Khabarovsk f/d cd. in 2 mo. w/ schedule. (Eckman). 5905 and 7345 via Petropavlovsk-Kamchatsky f/d cd. in 2 mo. (Eckman-CA)..... Thank you to all of you that sent me the current list of Soviet transmitter sites. It was appreciated very much...Sam.

AUSTRALIA: Radio Australia 9580 f/d "Lyrebirds Roam Eastern and Northern Australia" cd. in 1 mo. w/ posters and stickers. (Rubin-NY). VLW9 9610 f/d "ABC" cd. in 40 ds. for 2 IRCs. (Topoleski-PA). same in 27 ds. for US \$1.00 (Kacir)

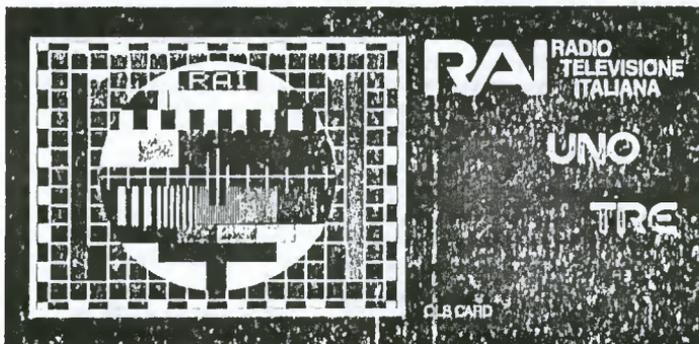
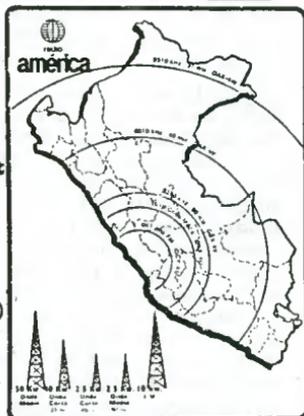
* National Standards Commission-Naval Time Station 12982 f/d ltr. in 39 ds. for 3 IRCs. v/s Sheila Mason. (Davis-NM). 12981.6 same ltr. in 2 mo. (Barto-CT). 6488 same ltr. in 33 ds. for 2 IRCs. (Archer-NC). VL8K 2485 via Katherine f/d ltr. in 63 ds. for ms. v/s Karen Kane, Broadcast Production Officer. (Archer). VL8A 2310 via Alice Springs f/d ltr. via registered mail in 72 ds. (Archer). ltr. in 32 ds. for 2 IRCs. (Kelly-IL). VL8T 2325 via Tennant Creek f/d ltr. via registered mail in 72 ds. for ms. (Archer-NC).

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

ABU DHABI: Voice of the United Arab Emirates 9595 f/d multi-colored ltr. in 2 mo. (Barto-CT).

ADMIRALTY ISLANDS: Radio Manus 3315 p/d personal ltr. in 28 ds. Station advised not to send SASE in the future. v/s Eliun Sereman, Acting Station Manager. (Archer-NC).

ANGOLA: Radio Nacional de Angola 3375 and 4950 f/d cd. w/ ltr. in 63 ds. via registered mail for a PT rpt. and ms. v/s Carlos



AZAD KASHMIR: Azad Kashmir Radio 4790 f/d ltr. in 34 ds. for 1 IRC v/s Abrar Ali, Engineering Manager. (Cones-VA).

Note: Have a new job so this QSL Column is being typed on my old typewriter...Sam.

VERIFICATION SIGNERS: Radio Globo 11805 Cesar Calmon, Director de Operacoes & Director de Producao de Audio. La Voz de Yopal 5050 Lyllia Silvia G., Secretaria & Pedro Antonio Socha, Director. Radio Buenas Nuevas 4800 Israel Rodas. AWR - Forli 7257.5 Sandy Hogdson, Secretary. European Christian Radio 7360 John Adams, General Manager. FRNC Kaduna 4770 Yusuf Garba, Chief Engineer. Radio Los Andes 5030 Pablo Cardenas Valverde, Director General. Radio Qatar 15265 Jassim Mohammed Al-Qattan. Radio Skywave International 6850 Michael Kelly. Radio Damascus 12085 Alia Sharabati, Secretary.

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Yours Sincerely,
Peter Smith
 East Asia Relay Station
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Dr. Harold Cones
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 U.S.A.

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AZAD KASHMIR: Azad Kashmir Radio 4790.4 f/d personal ltr. via registered mail in 40 ds. v/s M. Sajjad Ali Siddiqui. (Archer).

BELGIUM: BRT 15590 form ltr. in 55 ds. (Arland-PA).

BOLIVIA: Radio San Gabriel - La Voz del Pueblo Aymara 6079.3 ltr. w/ schedule in 5 wks. v/s Mno. Jose Canut, Director Gerente and Lourdes Herrera, Secretaria Ejecutiva. Station also gave address for Fundacion San Gabriel, Craig O'Connor, 668 Jacon Way, Pacific Palisade, CA 90272. (Barto-CT).

RBI-DX-CLUB

The Decibel	dB	F	U	dB	F	U
via Rubin in NY	0.0	1.12	1.20	19	79.4	21.1
dB - 10 log I ₀	1	1.58	1.76	20	80	21.3
	2	2.00	2.00	20	80	21.3
	3	2.30	2.30	20	80	21.3
	4	2.50	2.50	20	80	21.3
	5	2.63	2.63	20	80	21.3
	6	2.70	2.70	20	80	21.3
	7	2.75	2.75	20	80	21.3
	8	2.79	2.79	20	80	21.3
	9	2.81	2.81	20	80	21.3
	10	2.82	2.82	20	80	21.3
	11	2.83	2.83	20	80	21.3
	12	2.84	2.84	20	80	21.3
	13	2.84	2.84	20	80	21.3
	14	2.85	2.85	20	80	21.3
	15	2.85	2.85	20	80	21.3
	16	2.85	2.85	20	80	21.3
	17	2.85	2.85	20	80	21.3
	18	2.85	2.85	20	80	21.3
	19	2.85	2.85	20	80	21.3
	20	2.85	2.85	20	80	21.3

10-20 MHz
 DDE 1100 Berlin, Dec. 11, 1987
 To Mr. Rubin
 Many thanks for your QSL/reception report of my program.
 11/15/87 1220 UTC
 21540 MHz 13 (arrow)
 We look forward to hearing from you again soon!

Radio Berlin International
 The Voice of the German Democratic Republic



BOTSWANA: Radio Botswana 3356 f/d "Life in Gabane Village" cd. in 268 ds. for 2 IRCs. v/s Ted Makgekgenene, Chief Engineer. (Archer). 4820 f/d "Herds Boy milking a Cow" cd. in 62 ds. after a f/up rpt. for US \$ 1.00

BRASIL: Radio Inconfidencia 15190 p/d personal ltr. in EG (Buer-FL). Radio Aparecida 11855 f/d cd. in 6 wks. for a PT rpt. and ms. (Rugg-QUE). Radio Educacao Rural 4755 n/d folder in 21 ds. for a PT rpt. and ms. v/s Ailton Guerra, Gerente. (Rugg). Radio Gaucha 11915 p/d EG folder cd. in 5 wks. for ms. and a PT rpt. (Rugg). Radio Guaiaba 6000 n/d cd. in 6 wks. for a PT rpt. and ms. v/s Carlos Alberto Rheino. (Rugg-QUE).

BULGARIA: Radio Sofia 11720 & 11750 f/d cds. in 1 mo. (Levison-PA).

BYELORUSSIAN SSR: Radio Moscow via Minsk f/d "Dzerzhinsky Square" cd. in 50 ds. (Eckert-PA).

CANADA: CPCX 6005 p/d cd. in 22 ds. (Topoleski-PA).

CHINA, PEOPLES REP. OF: Radio Beijing 9665 f/d cd. in 22 ds. w/ stickers. (Kacir-MI). BFM 10000 f/d "Clock Face" cd. in 23 ds. for 2 IRCs. v/s Qi Guanrong, Chief. (Brouillette-IL).



RADIO IRAN

17, Bd. Raspail - 75007 PARIS - France

Thank you for your letter of *12, 10, 1987* and the interest you have shown in our program; it is of great interest to us to know that our broadcasts have been heard in your area. We would like to inform you that the one-hour programs of Radio Iran, the voice of the Iranian national Resistance Movement led by Shapur Bakhtiari, in Persian (Farsi) language is broadcast at 02.30, 04.00, 13.30, and 18.30 GMT every day. We transmit on the following wave lengths and powers:

19 meters	15650 KHZ	250 Kilowatts
25 meters	11750 KHZ	250 kilowatts
31 meters	9585 and 9594 KHZ	500 Kilowatts
31 meters	9400 KHZ	250 kilowatts
41 meters	7170 and 7075 KHZ	1000 kilowatts

We hope the above information has been of use to you.

f/d "Female Statue" cd. in 38 ds.

CZECHOSLOVAKIA: Radio Praha 5930 f/d "Beskyoy Moravka Recreational Area" cd. in 123 ds. (Levison). f/d "Wallachian Open Air Museum" cd. in 37 ds. (Davisson-OH). same cd. in 119 ds. (Edwards).

PODECANSE ISLANDS (Rhodes): VOA 11960 f/d cd. in 36 ds. (Archer).

DOMINICAN REP: Radio Amanecer 6025 f/d cd. w/ ltr. in 65 ds. v/s Socrates Dominguez. (Rigas-IL). f/d "El Lago de los Botecitos - Jardin Botanico" cd. w/ ltr. in 5 wks. v/s Fidel Ferrer, Director. (Barto). Radio Clarin 11700 n/d cd. in 37 ds. for a SP rpt. (Topoleski). same in 58 ds. (Edwards).

ECUADOR: HCBJ 6230 f/d "Owl" cd. in 65 ds.

(Edwards). f/d "Blue Footed Booby" cd. in 1 mo. (Zobro). 6230, 6205, 9720 and 11790 f/d "Galapagos Island" cd. in 1 mo.

(Zobro). 17890 and 6205 f/d "Chimborazo Mountain" cd. in 39 ds. (Zobro). 9720 f/d

cd. in 1 mo. (Topoleski). 11775 f/d

"Mt. Cotopaxi" cd. in 65 ds. (Edwards).

RADIO CATOLICA NACIONAL 5055 p/d ltr. w/ vinal pennant in 50 ds. for a SP rpt. and ms. v/s P. Antonio Arregui, Director General. (D'Angelo-PA). ltr. w/ factsheet in 72 ds. for a SP rpt. and 2 IRCs. Pennant rcvd. (Zobro-MI).

EQUATORIAL GUINEA: Radio Africa 9552.5 ro-MI). via Bata p/d ltr. in 2 mo. for CAN. \$ 1.00. for the "Waves of Glory" program. (Allen-OK).

EUROPEAN RUSSIA: Radio Moscow 15450 via Serpukhov f/d cd. in 65 ds. (Zobro). 13680 via Moscow cd. in 87 ds. (Harms). 15110 via Kazan f/d cd. in 87 ds. (Harms). 15240 via Zhigulevsk f/d cd. in 87 ds. (Harms-FRG).

FRANCE: Radio France International 9790 f/d cd. w/ schedule in 1 mo. (Zobro-MI).

CLANDESTINE: Radio Iran 9400.1 and * 7075 p/d ltr. in 2 mo. Transmission possibly via Egypt. (Barto).
COSTA RICA: Radio Impacto 6150, 6155 and 6160 f/d ltr. in 6 wks. for a SP rpt. Sticker rcvd. v/s Hector Requena C. (Field-MI). Radio Relei 6006 f/d "Globe" cd. in 21 ds. for a SP rpt. and 2 IRCs. (Archer). AWR-Radio Lira 15460 f/d green & yellow "Antenna" cd. in 67 ds. for US \$ 1.00. Sticker and schedule rcvd. v/s David L. Gregory, Manager/Chief Engineer. (Buer-FL).
* Radio For Peace International 7375 f/d cd. w/ ltr. in 30 ds. for ms. v/s James Latham, Station Manager. (Wilkins-CO). same in 30 ds. (Rigas-IL).

CUBA: Radio Moscow 9600 and 6000 f/d cd. in 65 ds. (Zobro). Radio Habana Cuba 6090 "Twilight in Guama Tourist Center" cd. in 142 ds. (Edwards-OH). 9740 "Kawama Beach" cd. in 142 ds. (Edwards). 9655 f/d "Little Train" cd. in 142 ds. (Edwards). 11815 "La Fuerza Fortress" cd. in 142 ds. (Edwards-OH).

CYPRUS: CBC 6030 and 7180 via Zyzi for 2 IRCs. (Harms-FRG).

POSTAL TELEGRAPH	NOV 30 1987	117 Colorado Drive, PO BOX 1251, New Mexico 86130, U.S.A.
BY AIR MAIL	PAR/AVIO	
<p>This is our reply to your report dated Sept. 24th 1987. You heard our Italian broadcast beamed by CALPARISSETTA, Sicily from 05.00-05.35 GMT; 41,81 m; 7175 kHz. Thank you for your report. Accept our best wishes, please.</p>		



RADIO "SAN GABRIEL"

Calle General Lanza No. 2001.
Telefono: 321174 - 355371
Casilla 4792
LA PAZ - BOLIVIA

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

QSL - VERIFICATION

Thank you for your report on the reception of our transmission.

MR. RICHARD D'ANGELO

Date : 29.30.06.87
Time : 1100 UTC
Frequency : 15440, 11960
Station : VIENTIANE



FRENCH GUIANA: RFI 9800
via Montsinery f/d cd.
w/ schedule in 15 ds.
(Topoleski). f/d cd.
in 1 mo. (Zobro-MI).

GABON: Radio Japan 21700
via Moyabi n/d cd. in
25 ds. (Rugg). 11800
f/d "Persimmons" cd.
in 17 ds. (Kacir-MI).
n/d cd. in 14 ds. w/
schedule. (Brouillette)

GERMAN DEMOCRATIC REP:
RBI 15240 f/d cd. in
51 ds. (Edwards). 21540
"RBI DX Club" cd. in
26 ds. (Rubin-NY). 9730
cd. in 43 ds. (Rugg).
f/d "Melange" cd. in
133 ds. (Levison-PA).

* Stimme der DDR 6115 f/d cd. in 5 wks. for a taped rpt. (Matthews-OH).
GERMANY, FEDERAL REP. OF: VOA 3980 via Munich f/d cd. in 2 wks. (Allen-OK).
same in 32 ds. (Wilkins). f/d cd. in 1 mo. (Paszkievicz-WI). 6060 via
* Wertachtal f/d cd. in 14 ds. (Paszkievicz). RFE/RL 7110 yellow and blue
"Map" cd. in 11 ds. (Eckman-CA). leski-PA).

GHANA: Ghana Broadcasting Corp. 4915 f/d cd. in 43 ds. for 2 IRCs. (Topo-
GREECE: Radio Station Macedonia 9935 and 11595 f/d "Olympia" cd. w/ sched-
ule in 5 wks. (Barto-CT).

GUATEMALA: La Voz de Guatemala 6180 f/d cd. for 84 reception for a SP rpt.
* delivered in person by Don Moore. (Wilkins). La Voz de Atitlan 2390 n/d
cd. via Don Moore for a SP rpt. (Wilkins). TGMI Radio Buenas Nuevas 4800
p/d ltr. w/ cd. in 5 wks. for a SP rpt. v/s Israel Rodas M., Director.
HONDURAS: HRRI Sani Radio 4755 f/d "Map" cd. in 103 ds. for (Barto-CT).
a SP rpt. (Arland-PA). Radio Luz y Vida 3250 f/d form ltr. w/ prepared
cd. in 75 ds. for a SP rpt., tape, 2 IRCs and US \$ 1.00. v/s Robert &
Brenda Gilbert. Addr: Ap. 67, Mixco, Guatemala 01957. (Kashiwabara-CA).
La Voz de Mosquitia 4910 n/d ltr. w/ pennant in 34 ds. for ms. (Bishop).

HONG KONG: BBC 15435 p/d cd. in 2 wks. (Eckert). 15320 cd. in 75 ds. for
a taped rpt. and 2 IRCs. (Arland).
INDIA: AIR 4990 f/d "Writers Building in Calcutta" cd. in 2 mo. (Barto).
11620, 7280 and 15120 f/d cd. in 10 wks. (Barto-CT).

INTERNATIONAL WATERS (?): Radio New York International 1620 p/d cd. in 10
wks. for ms. (Kelly-IL).

IRAQ: Radio Baghdad 9610 f/d cd. w/ pennant in 70 ds. (Church-VT).
ISRAEL: IBA 7460 f/d cd. in 17 ds. (Rubin). 9435 f/d cd. in 1 mo. (Topoleski)
ITALY: RAI 9575 f/d "Ritratto di Bambino" cd. in 119 ds. for 2 IRCs. Sked
was rcvd. (Brouillette-IL).
JAPAN: JJY 5000 f/d "Costumes" cd. in 2 mo. (Eckman). 6120 (via Sackville)
n/d "Shinjuku at Night" cd. in 1 mo. (Rubin-NY). Should be Canada...Sam.

VOA FIRST DAY ISSUE via John Topoleski

WASHINGTON, D.C. AUG 1 1967

50 US 100 POSTAGE

FIRST DAY OF ISSUE

25th ANNIVERSARY

VOICE OF AMERICA

THE INTERNATIONAL BROADCASTING SERVICE OF THE U.S. DEPARTMENT OF COMMERCE

1942-1967

KAMPUCHEA: Voice of the People of Kampuchea 11938

p/d friendly, personal ltr. in 157 ds. for 2 IRCs. (Archer). f/d ltr. in 204 ds. for 2 IRCs. Sent via Hanoi. (Paszkiwicz-WI).

KOREA, DEMOCRATIC REP: Radio Pyongvang 9325 f/d "Dance Troupe" cd. in 132 ds. Rpt. was sent via PRG. (Harms-Korea).

KOREA, REPUBLIC OF: Radio Korea 15575 f/d "Duksoo Palace" cd. in 43 ds. (Edwards-OH)

LESOTHO: BBC 9515 n/d "Satellite Dish" cd. in 18 ds. (Archer-NC).

LUXEMBOURG: Radio Luxembourg 6090 f/d cd. in 26 ds. w/ sticker. Rpt. was sent to the UK address. (Topoleski-PA).

MALI: Radio Beijing 9770 f/d cd. w/ site in 1 mo.

(Helms-CA). "Dancers" cd. in 28 ds. w/ paper-cuts. (Eckman). same in 1 mo. (Field). f/d cd. w/o site in 21 ds. (Wilkins). cd. in 37 ds. (Levison). 11715 cd. in 20 ds. w/o site. (Rigas). "Mao Memorial Hall" cd. in 40 ds. (Kelly). f/d cd. in 41 ds. (Buer-FL). 9770 and 11715 cd. in 26 ds. w/ stickers. (D'Angelo). (D'Angelo).

MALTA: Ibra Radio 6100 f/d cd. w/ ltr., pennant and sticker in 15 ds.

MEXICO: XEQM 6105 f/d cd. for a SP rpt. per Moore station visit. (Allen).

* **XEW La Voz la America Latina** After many years of detailed reports to their SW and MW outlets, I sent a XMAS cd. and my SWL cd. Back came a n/d QSL with a very beautiful blue and silver pennant. (Bishop-FL).

MOROCCO: Radio TV Maroc 11920 f/d cd. in 76 ds. for a FR rpt. v/s Barraus

Brahim. (Rugg-QUE).

NEW CALEDONIA: RPO 7170 p/d cd. in 106 ds. for a FR rpt. & 2 IRCs. (Zobro).

NEWFOUNDLAND: CKZN 6160 f/d "Map" folder cd. w/ ltr. in 19 ds. for 1 IRC. (Brouillette-IL).

NEW GUINEA TERRITORY: Radio East Sepik 3335 f/d cd. in 24 ds. for SASE. (Archer).

NEW ZEALAND: RNZI 15150 f/d cd. in 15 ds. for 3 IRCs. (Harms-PRG). 9540 and 11780 f/d cd. w/ pennant in 22 ds. for 3 IRCs. (Rugg).

NORWAY: Radio Norway f/d cd. in 38 ds. (Zobro).

NIGERIA: Radio Kaduna 4770 f/d ltr. in 78 ds. (Arland).

OMAN: Radio Oman 6085 f/d cd. in 1 mo. (Barto). 15385 f/d cd. in 132 ds. for 2 IRCs. (Allen)... One of the most beautiful QSL cards ever issued... Sam.

PAKISTAN: Radio Pakistan 17660 and 15605.9 f/d cd. w/ sticker and greetings cd. in 2 mo. (Barto-CT).

PAPUA NEW GUINEA: Radio Southern Highlands 3275 f/d cd. w/ personal ltr. in 28 ds. for 1 IRC. v/s Jack Bata, Station Manager. (Cones). Radio Morobe 3220 f/d ltr. in 23 ds. for ms. v/s A.R. Nase, Station Manager. (Allen).



R. K. P. D.

RADIO KHUSUS PEMERINTAH DAERAH
TINGKAT II KABUPATEN LUMAJANG
STUDIO I

Gelombang : 82.85 meter / Frekwensi : 3242 KHz.

ALAMAT : JALAN ALUM - ALUM UTARA 7 LUMAJANG TELEFON 8182.

Lumajang, 31 OKTOBER 1967

Kepada :

Kirk S. Allen
2237 Jane Street
Pawnee City, OK 74601
Amerika Serikat (USA)

Dengan hormat

Terima kasih atas perhatian anda terhadap Radio Pemancar kami, hal itu sama sekali tak pernah kami duga Radio Pemancar kami dapat ditanggap di Oklahoma City Amerika Serikat, walaupun ketentuan syarat Radio Pemancar kami telah diterima di Ottawa.

Setelah kami baca surat anda, tepat Hari Minggu, Tanggal 18 Oktober 1967 pukul 19,30 anora Radio Pemancar kami adalah Minibus Agama Kristen dengan nomor - 00002 Notal Bersama Artis - Artis yang diarahkan oleh Pamflet kami Anand Shobir, anora tersebut berakhir pukul 19,58.

Tepat pukul 20,00 Radio Pemancar kami menghubungkan diri dengan RRI Jakarta untuk mengikuti Berita Ekonomi dan Industri hingga tepat pukul 20,10. Anora berita - kutunya adalah Nigra dan Lagu berakhir pukul 20,30.

Dari hal tersebut diatas maka yang anda informasikan tentang perantara; anora Radio pemancar kami adalah benar.

Berikut Data Pemancar kami :

- Oscilator dengan sistem YPO 6 AG 7
- Buffer 807
- Filter 813 1 biji
- Tegangan Plate 1500 Volt
- Modulator 813 2 biji
- Out Put Power 150 Watt
- Antenna : Long Wire
- Gelombang : 92,55 meter / Frik. 3242 KHz

Sebagai informasi saya adalah Kepala Stasiun RKPDT Tk. II Lumajang, Nama : Sud Wisisono, menikah dengan Istri Nama Dewi Melayaroh umur 35 tahun punya anak dua, bernama Tatik Salsawati umur 16 tahun dan Krwin Kaslyanto umur 14 tahun semuanya sekolah di SMA Vegari Lumajang.

Beskrifen informasi dari Radio Pemancar kami, terima kasih atas segala perhatian dan minat anda, informasi lanjut kami tunggu mengenai anora lokal Radio Pemancar di kota anda sebagai perbandingan untuk perbaikan dan kemajuan.

Hormat Kami


SUD WISISONO
AIR.010051983

RADIO AMARCEER



RADIO FOR PEACE INTERNATIONAL

NORTH AMERICA:
P. O. Box 188
Sweet Home, OR 97130 USA
(Tel.: 503-361-2246)

OTHER AREAS:
P. O. Box 88
Santa Ana, Costa Rica
(Tel.: 49-10-72)



December 18, 1987

John W. Hillier
6181 Hoyt St., #203
Hwyer Steps, CO 80633
USA

Dear John:

Thank you for your detailed reception report, which is of great help and assistance to improve our broadcasting quality and to understand how well Radio for Peace International is received.

We gladly verify your reception of Radio for Peace International (RPI) reports:

day: November 19, 1987 GMT

time: 0117 - 0210 GMT

frequency: 7.375 MHz (41 meter)

language: English

at that time the output power was 1 kW.

We intend to increase the power as soon as possible and to expand our broadcasts to other frequencies. It is planned to do some testing on the 19 meter band at 21.495 MHz from 2100 - 0000 GMT weekdays starting at about 1300z each.

Enclosed are instructions on RPI, UPW and SP as well as the program schedule and RPI's OSL card.

Again, thank you for your report and we hope to continue to hear from you.

Sincerely,

James Lathan
Station Manager

PAPUA NEW GUINEA: Radio Eastern Highlands 3395 f/d cd. in 29 ds. for ms. (Cones).

PARAGUAY: Radio Encarnacion 11945 * personal ltr. w/ sticker in 3 mo. for a SP rpt. v/s Prof. Alejandro Lapiere, Director. (Schulze-FRG).

PERU: Radio America 6010.9 f/d cd. in 2 1/2 mo. for a SP rpt. v/s Luis Angel Pinasco, Gerente. (Barto). Radio Onda Azul 4800.7 p/d cd. in 2 mo. for a SP rpt. v/s Mauricio Rodriguez R., Jefe de Prod. y Programacion. (Barto).

* Radio Vision 5360 2 f/d prepared cds. in 70 ds. for a SP rpt. and ms. v/s Heber Arevalo Rios, Administrador. (Wilkins). PHILIPPINES: VOA 15290 f/d cd. in 28 ds. w/ pennant. (Rugg).

QATAR: QBS 17785 f/d "Map" cd. in 66 ds. for 2 IRCs. C/V #150! (Harms-FRG).

ROMANIA: Radio Bucharest 5990 f/d "Youth Park" cd. in 88 ds. (Davisson). 9510 f/d "Constanta" cd. in 54 ds. (Levison-PA).

SEYCHELLES: FEBA 11790 f/d cd. in 3

mo. w/ schedule and sticker for 3 IRCs. (Eckert-PA).

SICILY: RAI/Radio Uno 9515 f/d cd. in 97 ds. (Archer).

SOUTH AFRICA: ZUO 10000 f/d cd. in 63 ds. (Brouillette). 5000 f/d cd. in 63 ds. for US \$ 1.00. (Davis-NM). Radio Five 4880 f/d cd. in 28 ds. (Kelly). "SABC" cd. w/ sticker in 48 ds. (Eckman). Radio RSA 9580, 9615 and 11730 f/d "Zebra" cd. w/ pennant and sticker in 20 ds. (Topoleski). 6010 f/d cd. in 21 ds. (Kacir). 9580 f/d "Flower Bloom" cd. in 29 ds.

SPAIN: REE 9630 f/d "Tower of Giralda" cd. in 68 ds. (Zobro). (Kacir-MI). f/d "Bullfighter" cd. in 54 ds. (Brouillette). f/d "Archivo de Indias" cd. in 48 ds. (Brouillette-IL).

SPANISH MOROCCO: Radio Medi Un 9575 form ltr. in 4 mo. for a FR rpt. (Eckert). same w/ sticker in 3 mo. (Schulze). in 96 ds. for a FR rpt. and 3 IRCs. v/s C. Thuret and J. Dryk. (Davis-NM).

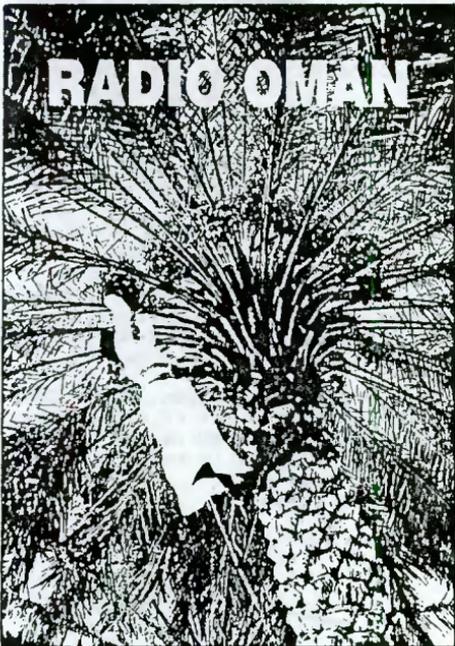
SULAWESI: RRI Ujung Pandang 4719 f/d "RRI Shield" cd. in 85 ds. for an IN rpt. (Archer).

SWEDEN: Sveriges Riksradio HS 21555 via Varberg f/d cd. in 5 wks. (Barto). same in 3 wks. (D'Angelo) RSI 15345 f/d "Swedish Farm" cd. in 34 ds. (Rubin).

SWITZERLAND: Swiss Radio International 21695, 11955, 17830 and 15570 f/d "Typical Swiss House" cd. in 6 wks. (Barto). 9535 via Sarnen cd. in 20 ds. (Rigas). 6135 f/d cd. in 22 ds. (Davisson). cd. in 26 ds. (Davisson). 6190 "Swiss Shortwave" cd. in 18 ds. (Davisson). 9725, 9885 and 6135 f/d "House" cd. in 20 ds. (Zobro). * Radio Beijing 3985 via SRI f/d "Kunming Lake" cd. w/o site in 16 ds. (D'Angelo-PA).

TAIWAN: Voice of Free China 11805 f/d cd. in 2 mo. (Rubin-NY).

TANGIER: RTM 15335 f/d "Tower" cd. in 88 ds. for a taped rpt. and SASE. (Archer).



BBC EAST ASIA RELAY COMPANY LIMITED

Dear Mr. Moody,
Thank you for your reception report for 10435 kHz on 7/10/87 which I confirm was correct. The station is equipped with two 250kW transmitters and serves China, Korea and Japan. Other details can be obtained from BBC, Bush House, London.

Yours Sincerely,
Phil Scumler
East Asia Relay Station
Hong Kong.

Mr CHRISTOPHER RIGAS
4335 N. MOODY
CHICAGO IL 60634
U.S.A.

THAILAND: Radio Thailand 11905 and 9655.4 cd. in 2 1/2 mo. (Bar-TIBET: Xizang PBS 4035 to) and 7110 2 f/d cds. arrived in commemorative Radio Beijing FDC in 27 ds. (Allen).

TADZHIK SSR: Radio Moscow 9665 via Dushanbe f/d cd. in 49 ds. (Evans-TN).

UKRAINE: Radio Kiev 7260 f/d cd. in 98 ds. (Levison). cd. in 101 ds. (Arland). Radio Moscow 7150 via Lvov f/d "Railway" cd. in 71 ds. (Archer). 6105 same cd. in 71 ds. (Archer). 5915 via Simferopol f/d cd. in 71 ds. (Archer). 6130 and 5940 cd. in

71 ds. (Archer). 9865 f/d cd. in 43 ds. (Paszklewicz).
USA: KUSW 11680 f/d cd. in 1 mo. for ms. (Colgan-TX). cd. in 23 ds. (Edwards). 15225 f/d "Mountain" cd. in 22 ds. for ms. (Davis). cd. in 8 ds. (Davisson). 17715 cd. in 35 ds. for ms. (Buer). 15580 p/d cd. in 28 ds. (Topoleski). KCBI 11735 f/d cd. in 18 ds. (Zobro). WRNQ 15420 cd. in 28 ds. (Topoleski). KVOH f/d cd. w/ sticker in 24 ds. (Eckman). AFRS 13651.3 p/d cd. in 3 wks. (Barto). Radio Marti 11930 via VOA f/d cd. in 54 ds. (Zobro). WMLK 9455 f/d ltr. in 29 ds. v/s Elder Jacob O. Meyer. (Zobro). VOA 15580 via Bethany f/d "Challenger" cd. in 1 mo. (Davisson). Voice of the OAS 15160 ltr. in 1 mo. (Eckman). Voice of Free China 5985 via WYFR f/d "Sunset at Hsi-Yu" cd. w/ sticker in 88 ds. (Levison). 17845 f/d cd. in 75 ds. (Levison).

URUGUAY: Radio El Espectador 11835 f/d prepared cd. in 22 ds. for a SP rpt. and US \$ 1.00. 3 f/up rpts. were sent. v/s Hugo Magnani Dupetit, Director. (Buer-FL).

USSR: Radio Moscow 7400 cd. in 2 mo. (Rubin). 7150 cd. in 70 ds. (Edwards)...Be sure to ask for transmitter sites when reporting to Moscow...Sam.

UZBEK SSR: Radio Moscow 11655 via Tashkent f/d cd. in 87 ds. (Harms-FRG). Radio Tashkent 7325 f/d cd. in 3 mo. for a taped rpt. Station says not to send \$\$\$ as Customs confiscate it! (Eckert). Politically surprised to hear this:

VANUATU: Radio Vanuatu 7260 f/d cd. in 29 ds. for 2 IRCs. (Kelly). f/d cd. in 158 ds. (Rigas).

VATICAN: Radio Vatican 9605 f/d cd. in 90 ds. (Zobro). f/d "Leo XIII" cd. in 100 ds. (Zobro).

Note: Great Circle Shortwave Society - GCSS

The GCSS exists for the encouragement of long, medium and shortwave listening. Membership is open to all. The GCSS exists to unite those SWLs active in the 50s and 60s who still enjoy using vacuum-tube radios and who have been issued WPE

monitoring registration via Rigas certificates.

Several of our reporters are members including Harold Cones (President) Rich Arland (Secretary). For additional information contact Harold at 2 Whits Court, Newport News, VA 23602.....Sam.

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VIENTIANE, LAO PDR
via William Matthews

QSL - VERIFICATION

Thank you for your report on the reception of our transmission

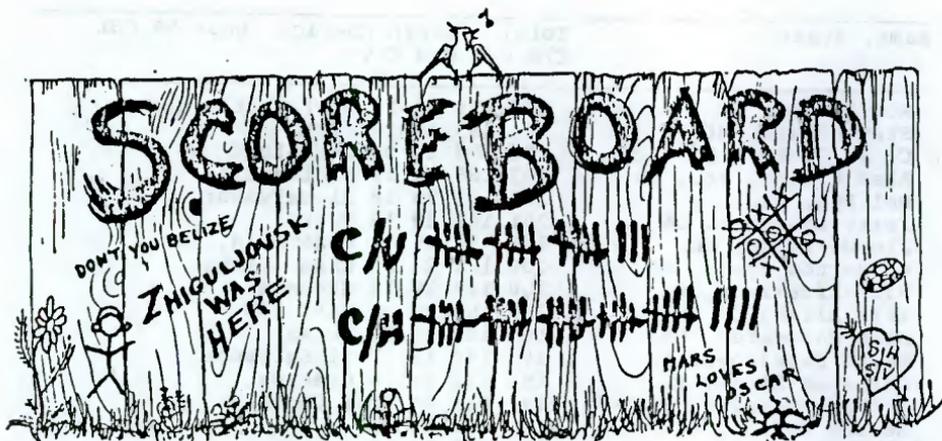
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VIENTIANE VIA USA-R



That's it for this QSL Column. Other than a few countries typed out of order everything went quite well. Where did all you reporters come from? This was the longest column in some time. Best of QSLing...Sam.

Sam



JERRY A. LINEBACK, Editor
 #309 Westpark Place
 Lithia Springs, GA 30057

March 1988

I give you my Georgia address above to use for the next Scoreboard. It may change after that, but it will be good till June. The next deadline will be 15 May for the June issue of FRENEX. At that time the Spotlight will be on Oceania.

Welcome to this issue of Scoreboard, where everyone can share their progress in country counts. This month the Spotlight is on North America. Remember that C/H = countries heard and C/V = countries verified. Totals are to be counted by rules in the NASWA Radio Country List available from Headquarters. Don't ask why Asia is listed ahead of Africa in that publication and has been for years. Many thanks to all who have participated.

If your name is missing this month, remember that you must update once a year to remain listed on the Scoreboard. When you update, particularly if your name has been removed, please update all totals.

Name, State	Total		North America		Best NA QSL
	C/H	C/V	C/H	C/V	
John Tuchscherer, WI	234		28		CKFX 6080
James Young, CA	233	222	23	19	Montserrat
Gordon Darling, PNG	228	221	23	22	R Swan
Sam Barto, CT	228	219			
Jerry Berg, MA	223	221	24	24	Montserrat, dir
Marlin Field, MI	223	220	23	23	CFRX
Bob Padula, Australia	223	217	20	20	
Gerry Bishop, Phil.	220	204	21	20	CKFX
William Flynn, CA	220	202	24	24	Groenlands F
Nobuaki Takahashi, Japan	218	186			
Tom Gavaras, MN	216	210	21	21	Greenland
C. Brian Hamilton, FL	216	188			
Bill Harms, FRG	214	145	20	16	CKFX
Al Miller, OH	212	206	21	20	Turks
Terry Palmersheim, MN	211	185	19	18	Su Pant
Mitch Sams, KS	211	124	19	12	CKFX V
John Sgrulletta, NY	210	210	22	22	CKFX
Harold Cones, VA	209	195	21	20	LV Mc
Roland Schulze, FRG	206	197	20	19	R Vi
Paul Buer, FL	206	196	22	21	CKF
Richard Davis, NM	206	192	22	20	Par

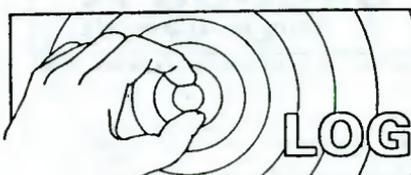
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 Scoreboard
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Name, State	Total		North America		Best NA QSL
	C/H	C/V	C/H	C/V	
Ron Howard, CA	206	189	21	21	ORTF Martinique
Steven Lare, MI	204	163	19	18	CKFX
C. J. Oreckar, CA	203	192	22	22	Greenland
Alex Vranes, Jr., IA	202	185	19	19	R Citadelle
Del Fye, FL	201	183	20	18	El Salvador
Jerry Lineback, GA	201	106	20	12	Turks
Jim Uerlings, OR	201	56	18	5	CKZN Nfld.
C. Vernon Hyson, NC	200	184	25	25	KNLS Alaska
Rick Krzemien, CA	200	178	19	18	Greenland
Kirk Allen, OK	200	169	19	16	CKFX 10W
Mike Hardester, PA	197	183	19	19	Turks
David Swaringen, NC	193	174	18	17	El Salvador
Christos Rigas, IL	192	172	19	18	Grenada
Michael Schmitz, FRG	191	157	14	12	R Chortis
Nelson George, NC	190	166	18	16	
Don Hosmer, MI	190	139	20	17	
John Bryant, OK	189	153	19	16	CFCX
John R. Tow, AL	188	163	20	18	Swan Is/CKFX
Stephen Leite, MA	188	160	16	14	CKFX 6080 10W
Sheryl Paszkiewicz, WI	186	161	19	17	Grenada
John Meyer, WI	186	152	18	17	Grenada
Gayle Van Horn, FL	185	147	19	17	R Huayacocotla
Andy Leskowitz, MA	185	106	17	9	HRVC
Rowland Archer, Jr., NC	184	148	19	18	El Salvador
Charlie Hoffman, PA	183	149	19	16	Grenada
Hadley Cress, VA	181	8			
Kent Willis, KY	180	135	17	14	Gronland R.
Charles Wootten, VA	176	147	15	14	Turks & Caicos
Ken Cobb, ME	176	129	18	16	CKFX
Tom Daly, NY	176	32	15	5	Windward Is. BS
Morley Kirkland, Ont.	172	158	18	18	Grenada
Tom Laskowski, IN	168	130	23	20	CKFX 10W
Peter Tutak, WA	167	128	17	14	BBK Radio
Norman Bobb, MN	167	1	19	1	KGEI
Kevin Klein, WI	154	67	16	9	Belize
John Mosman, KS	151	114	20	18	Swann Is.
Carl Mann, IA	144	124	20	19	Haiti
Fr. John Eckert, PA	144	111	16	12	
Steve Forst, PA	144	99	16	12	Medieval R 20W
Keiichi Kondo, Japan	141	97	6	6	R. Reloj
Peter Dillon, Greece	140	91	15	12	Belize
Ichiro Maruo, Japan	139	88	4	3	KNLS
Jim Renfrew, NY	136	94	17	12	KQRP Pirate
Kenneth Hill, MA	135	85	15	9	R Discovery
Andy Rugg, Que.	133	102	20	16	WIBS, Grenada
Dustin Brann, CA	132	63			
Thomas Ross, IL	118	96	15	12	CHNX Halifax
Tom McElvy, VA	117	95	13	13	CKFX & VoNic.
Jackie Cole, CO	117	83			
Jim Streitmatter, IN	116		15		CKZN
David Morby, NY	113	22	13	6	R Luz y Vida
Harold Levison, PA	104	85			
Jerry Ervine, TX	103	80			
Jim Shaver, OR	92	67	13	9	
Ronald Purdue, MN	82	43	12	3	VoA

Thanks again to all who have contributed their totals to the board. The next deadline will be 15 May with the Spotlight on the Caribbea. Use the Georgia address for next time, but beware of the change after June.

and all.

JAT



FRENDX LOG REPORTERS

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

FRENDX CONTRIBUTORS LIST **** MARCH 1988 ISSUE **** DEADLINE = 12th of MONTH
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 +-----+

There we have it for another month my friends. Another good showing for the Month. THANKS to one and all.

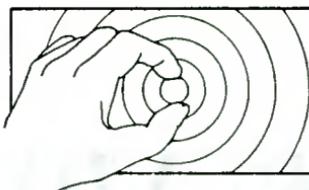
Ye Editor is in a bit of a rush here this month, headed out for a weekend vacation with the XYL this afternoon and as luck would have it, its snowing like crazy here, we hope to get out before the really heavy stuff starts to fall, but its doubtfull as I'm on a day off and the XYL is working so she will most likely get caught in the rush hour traffic hihi.

I'd planned on getting down to Willow Grove, PA. for the SWL Fest there, but instead will be making a trip down to Marine Recruit Training Depot at Paris Island instead. Its part of a Law Enforcement program, sure hope they don't try treating us like boot recruits hihi. Should prove to be interesting to someone in my line of work hihi. Sorry I wi-l not be at Willow Grove however and hope that all those who do get there have a wonderful time of it.

Well, have run out of time and words for this time around folks. Good Luck to all and the best of listening wishes as well.

Best Regards.
 John

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LOG REPORT

section A

2000 to 4899 kHz

Editor: Mike Harris, P.O. Box 284, Grove City, OH 43123

- 3215 SOUTH AFRICA. R. Oranje. 0340-0410. EE. Soft rock and pop music with some afrikaans. (7/1 Cobb-NE); @ 0332 with various mx and talk. (24/1 Lovison-PA)
- 3245 PAPUA NEW GUINEA. R. Gulf. 2005-2025. Local mx, drums, some pidgin talk, short annts. (17/1 Schulze-FRG)
- 3250 HONDURAS. Luz y Vida. 0345-0401. SS. Mx and talk. (20/1 Jordan-PA)
- 3255 LESOTHO. BBC. 0401-0418. News in EE. (29/1 Tuchschorer)
- 3280 ECUADOR. LV del Napo. 0330-0433. SS. Sports coverage with crowd noise, some music. (25/1 Jordan-PA)
- 3284v PAKISTAN. RP. 0250-0415. ID at 0302 with talk. (6/1 Schulze-FRG)
- 3290 SW AFRICA. SWABC. 0405-0450. AK. Preempted news, talk. (20/1 Jordan)
- 3300 BURUNDI. KTVB. 2051-2101. FF. Folk mx, ID. (26/1 Schulze-FRG)
- GUATEMALA. R. Cultural. 0624-0631. SS. EZL mx. (5/1 Topoleski)
- 3325 GUATEMALA. R. Maya be Barillus. 1043. SS. Bible talk. (9/1 Slagt)
- 3326 NIGERIA. RN. 2202-2222. EE. "Sat. Nite Mx Time". (16/1 Rugg-PQ)
- 3338 MOZAMBIQUE. RM. 0312-0338. PT. Afro vocals. (20/1 Jordan-PA)
- 3366 GHANA. GBC. 0610-0620. EE. News, EE lessons. (5/1 Topoleski)
- 3370 GUATEMALA. R. Tezulutlan. 0150-0200. SS. Marimba mx. (Tuchschorer)
- 3910 CHINA. RB. 2340-0008. Vietnamese. Music and news. (3/1 Schulze-FRG)
- 3985 CHINA. RB. 2240-2300. EE. Report on feast celebrating the Year of the Dragon followed by recipe for chicken w/black beans and onions, no formal ID at closing. (6/1 Cobb-NE)
- 3999 GREENLAND. Gronlands Radio. 1131-1223. Soft romantic love songs, ID @ 1200 w/talk. (10/1 D'Angelo-PA); @ 0957-1035 w/ IS, ID annts, 1 pip and into news. (23/1 Paszkiewicz-WI); @ 0957. (2/2 Forth-IL)
- 4753 SULAWESI. KRI Ujung Pandang. 1558. Relay of RRI mx. (23/1 Hulme-CA)
- 4760 LIBERIA. ELWA. 2151-2215. EE. BBC Relay of mx. (2/2 Topoleski)
- 4780 VENEZUELA. LV de Carabobo. SS. 0320. ID, MX, annts. (10/1 Rhyne-NC); @ 0100-0140 w/sports, spot ID's. (29/1 Jordan-PA); @ 0355-0357 with full ID w/Freq's. (19/1 Eastman)
- 4790 PERU. R. Atlantida. 0542-0602. SS. Talk, ID's. (12/1 Topoleski); @ 0434-0441 w/pop vocals. (31/1 Eastman); @ 0230 w/religious talk and music. (25/1 Fealey-GA)
- 4795 BOLIVIA. R. Nueva America. 0352-0400. SS. Two rock songs with EE lyrics, ID and S/off annt. (20/1 D'Angelo-PA); @ 0350-0404 w/closing annts and talk. (20/2 Rugg-PQ)
- 4800 ECUADOR. R. Popular Independiente. 0238-0310. SS. Talk, ID, jingles, vocals, no Leotho tonite. (29/1 Paszkiewicz-WI).
- GUATEMALA. R. Buenas Nuevas. 0300-0330. ID, talk. (12/1 Turner-NY)
- 4810 ARMENIAN SSR. Yerevan. 0302-0430. Arm. news then Mayak pgm //4040 until 0315. (25/1 Leskowitz)
- 4815 BURKINA FASO. RTVB. 0600-0618. FF. Time pips, ID. (19/1 Eastman); @ 2330-0001 in FF w/ two male anncrs. (25/1 Cobb-NE)
- 4820 BOTSWANA. RB. 0351-0405. EE. ID and talk. (13/1 Purdue-MN); @ 0410 w/interview pgm. (2/2 Eckman-CA)
- 4825 GUATEMALA. R. Mam Cubrican. 0000. SS. Music and ID. (10/1 Rhyne-NC)
- TURKMEN SSR. Ashkhabad. 0347. KS. Very doleful mx, not on other Mayak freq's, gone by 0400 (local sunrise). (26/1 Leskowitz)
- 4835 PERU. R. Maranon. 1058. SS. OA anthem. (9/1 Forth-IL)
- 4840 MANCHURIA. Heilongjiang PBS. 1246-1315. CH. Vocals, talk, 5+1 pip & into ID. (31/1 Paszkiewicz-WI); @ 1210-1232 w/long CH talk then mx and ID. (24/1 D'Angelo-PA).
- VENEZUELA. R. Valera. 0005-0050. SS. Sports coverage. (29/1 Jordan)
- 4845 MALAYSIA. KTM. 1510-1530. Hindi. Talk and ID. (31/1 Schulze-FRG)
- 4853 YEMEN ARAB REP. R. S'ana. 0339-0400. AR. Flute mx. (2/1 Jordan-PA)
- 4870 BENIN. ORTB. 0600. FF. ID then mx and vocals. (29/1 Hulme-CA)
- 4875 CHINA. V of Jinling. 1155-1206. CH. IS, ID, talk. (27/1 D'Angelo-PA)
- KAZAKH SSR. Uralak. 0430. KS. Mayak pgm, KS ballads, folk songs, quick fade after local sunrise @ 0444. (25/1 Leskowitz)
- 4885 COLOMBIA. Ondas del Meta. 1007-1104. SS. Latin vocals between brief annts, ID's. (10/1 D'Angelo-PA)
- 4890 ECUADOR. R. Centinela del Sur. 1140-1157. SS. Clear ID with oldies and local mx between. (1/2 Jordan-PA)
- PAPUA NEW GUINEA. NBC. 1313. Booming in with mixed bag of US pops and PNG local mx. OM anncr is in EE. (2/2 Kippel-VA).

For those of you who missed the Winter SWL Fest at the beautiful and historic Fiesta Motor Inn in Willow Grove, PA, I must say you missed one of the most interesting and informative DX gatherings in a long time. Not the entire NAWMA staff was there as well as others who made the fest a very worthwhile experience for all who attended. Kudos to Bob [unclear] for doing such a find job. Visions of the lavender and pink [unclear], looking rooms, and singles night at the Fiesta bar will all for a long time I'm sure!!!! Until next month '73 and



LOG REPORTS

section B

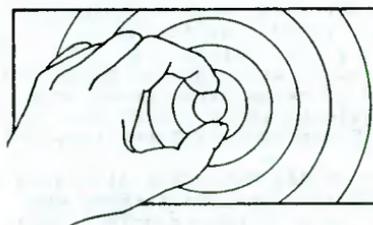
4900 to 6199 kHz

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

- 4900 MEXICO R. Consentida, anncng 1170, here at 0415, seemingly DSB, 1-31, mentioning 24-hr operation. Call may be XLRJ, but not sure of "M" (Wallace-PA).
- 4904.5 CHAD N'djamena, FR at 2110 1-23, hi-life mx after jammer departed 2105, gal with FR ID, into light rock 2118, fair sig (Leskowitz); many IDs 0501 1-17, FR nx, ads, telephone numbers, good signal (Eastman).
- 4910 ZAMBIA Lusaka, fish eagle IS 0341 1-8, drums, singing, ID and TC for 6:05, EG and verna, poor-to-fair (Eastman); *0343 with IS, chawal anthem, ID, s/on annts, into native instrumentals, vocals, EG s/on and ID, "One Zambia, One Nation", 1-6 (D'Angelo-PA).
- 4930 TURKMEN SSR Maybe Ashkabad at 0130 on 1-30, strong w/IS, talk in RS (Wallace).
- 4935 PHIU R. Tropical, 0349-0405*, US pops, man DJ, lullaby-type s/off, complete ID at 0400, said would be back at 0900, full MA to 0405*; weak but in the clear 2-6 (Brouillette); LA vocals 0357 1-26, ID, s/off annts at 0404, echo effect, OA MA (D'Angelo-PA).
- 4945 BOLIVIA R. Illimani, 0440-0500* on 1-28, ID, fine Bolivian mx with flutes, ID again at 0450, frqye, off (Schulze).
- 4955 BHAZIL R. Cultural, 2155-2205 1-26, man talking, samba mx, pips on hr, ID (Schulze-FRG).
- 4955 BRAZIL R. Marajoara, songs, flute, talks, PT ID 2342 1-27, weak sig interrupted by strong CW 2348 (Objio-DOM.REP); 0723 1-31 with upbeat mx, IDs, CW QRM (Forth-IL).
- 4957 MADAGASCAR Tananarive, acapella hymns, man with talk in language, no ID noted 2-7, poor sig, 3287.5 also poor, nothing hrd on 2496 (Laves-IX).
- 4957.5 AZERBAIJAN SSR Baku presumed 0425 2-1, RS talks, instr.mx, good sig (Wallace-PA); 0419 2-2 with jazz, beautiful local flutes, not //4785 (Leskowitz).
- 4965 ZAMBIA Lusaka here 2-1 with IS 0342, pauses, more IS, mx and talking past 0450, but terribly weak audio (Young-CA).
- 4970 VENEZUELA R. Rumbos, vy good 1-28 //570, 670, 9660 (Objio-DOM.REP). Time?
- 4975 TADEHIK SSR Dushanbe with lang prgm to 0200 2-1, IS 3 times, full ID, past 0218 (Young-CA).
- 4976 UGANDA Kampala, EG 0405 1-25, nx, ID by man, 4975 QRM, poor (Wallace-PA); home svc at 0405 1-31, EG world nx, ID, classical mx (Feeley-CA); EG nx and catry 0412 2-2, ID as Ext Svc of R Uganda at 0415 (Leskowitz); EG 0415 2-6, no ID but many mentions of Kampala, local tel.no, list of degree recipients, QRM increasing (Eastman); EG nx read by man at 0420, obits 0425, march mx, ID, fair overall on 1-27 (D'Angelo-PA).
- 4980 VENEZUELA Ecos del Torbes, musica romantica 1-6, ID 0308, good sig (Bauernhuber).
- 4990 CHINA Hunan, 2340-2359, CH ID, M&W talking, CH mx, blocked by India s/on 2359 (Schulze-FRG).
- 4990 IRAN Tehran, Farsi 0245-0300 1-25, Koran to 0249, talk, Iran mentioned, annts : FRG). with ID, clock chimes 0300, fair-good with het on the high side (Buer-FL).
- 4991 PERU R. Ancash, 0228-0310 2-6, pop mx, complete IDs on half-hr and 0300, anncg SW and 1190, birthday greetings, "Happy Birthday," into Andean folk mx (Brouillette).
- 4996 PERU R. Andina, lovely OA mx, ID, 0410-0430 1-28 (Schulze-FRG).
- 5005 NEPAL Kathmandu, in Nepali 0100-0129 1-8, ID, local mx, ads by M&W, good, //3230 poor (Schulze-FRG); suspect them at 1205 1-5, sing-song talk by man, single "pip" at 1215, weak carrier and no audio on listed //3230 (Rippel-VA); 1303-1347 1-9, talk, flute mx, ID 1315, into nx (Paezkiewicz-WI).
- 5020 NIGER Niamey, 2157-2303* 1-30, Afr mx, gal anncr, nx 2250, flute IS 2255, NA to close, exc signal (Tuchscherer-WI); singing, drums 0615 2-6, FR ID, Afr instr.mx, fair sig (Eastman); 0620 1-31, N.Afr mx, FR and local lang back and forth, s/off annts 0650, but no ID hrd (Wallace-PA).
- 5030 COSTA RICA R. Impacto, 2355-2350 2-4 with man anncr, "Impacto" promo injected in mid-song of SP/EG pop mx prgm, good sig (Cobb-ME); 0000 1-14 with full ID, jingles, pops, bank ad (Forth-IL); 0150 on 1-19, local ballads, ID, frys at 0200, good signal (Wallace-PA); strong 0556 1-17, EG religious songs, "Impacto" insert (Eastman).
- 5035 BRAZIL R. Aparecida, 2315-2332 1-6, ID, relig.prgm, ID, QRMd 2328 by Tashkent (via Alma Ata) s/on (Schulze-FRG); mx and talk at 0015, fair-good 1-11 (rhyme-NC).
- 5039.8 ANGOLA R. Benguela, high-pitched notes IS several times 0440 1-31, not sure of actual s/on time, usually //other Angolans on 3345, 3375, 4953, but not always, with nx 0500 (Young-CA).
- 5040 GEORGIAN SSR Tbilisi, RS Mayak prgm 0325 1-25, booming signal, "Covorit Tbilisi" hrd on 4930 at 0300, prgmg also //4810, 4765, 4875 (Leskowitz); tent. them at various times in 0355-0545 block various days, mx, catry, 6 pips on the hr (Rugg).
- 5045 PAKISTAN Islamabad 1600-1745* 1-26, EG to 1640, then Turkish, with Koran, nx, Turkish mx, ID 1743, MA to 1745* (Schulze-FRG).
- 5052 SINGAPORE R. Singapore, IG 1532-1550, "SBC" ID, int'l mx, hrd 1-5 (Schulze-FRG).
- 5055 ECUADOR R. Catolica, 0455-0606* 1-20, fair-good, relig. talks, varied mx, IDs, SP version of "Old Rugged Cross", better after 0540 (Jordan).

- 5055 SWAZILAND TWR, vernacs 1820-1830* 1-26, relig.prgm, ID, s/off (Schulze-FRG).
- 5066.4 ZAIRE R. Candip, Afr singing and drums 0340-0430, best when I can also hear what I think is Lubumbashi on 4751; 2-1 (Young-CA).
- 5075 CHINA Urumqi, CH opera mx to 1300, 5+1 pips, CH talk, //5163, 6890, 1-26 (Laves-TX); 2220 1-5 with class and Asian mx, gal anncr, pips, ID 2300, weak with deep fades and RMTY QRM (Wallace-PA); 2258-2326 fade-out, EG lang lesson, ID, nx (D'Angelo-PA).
- 5081 PERU Tent. R. El Mundo, 1036-1104 tune-out several days, LA mx, short talks, severe QRM and no ID; 1-27 and after (Tuchscherer-WI).
- 5770 CHINA Fujian Front Stn, gal talking at 1030 1-9, ID (Slagt-ARUBA).
- 5800 PERU R. Nueva Cajamarca, 0230 1-25, many TCs and IDs, s/off annts 0245, NA to 0250*, fair on LSB (Wallace-PA).
- 5910 BELGIUM BHT, EG/lang 0740-0810 1-26, talk, mx, IS 0757, "Brussels Calling" (Jordan).
- 5930 CZECHOSLOVAKIA Prague, in SP 0150 1-25, IS, ID by gal, strong with hut (Wallace-PA).
- 5935 LATVIAN SSR R. Kiga, Swedish 2125-2200 1-30, piano, ID, talk, pops, 5+1 pips (Paskiewicz).
- 5950 USA WYFR, EG at 1500 to Canada, 1-26 (Objio-DOM.REP).
- 5955 ABU DHABI VOVAE, *0210 2-8 with 8-note IS, NA, ID, brief talk, then Koran (Rippel-VA).
- 5960 ANANDA NHK via Sackville, EG 0303 1-12, nx, cmtry, very good sig (Levison-PA).
- 5980 USA WGSN, IS to 1200 s/on 1-14, "Herald" prgm, new xman, good sig (Buer-FL).
- 5985 YUGOSLAVIA Belgrade 2217-2228, nx, cmtry, econ.rvw, EG, BBC-5975 QJM 2-2 (Topoleski).
- 5985 USA VoFC over WYFR, 0300 1-10 with EG nx, cmtry, fair sig overall (Bauernhuber).
- 5990 JAPAN NHK, EG current affairs at 1116 1-8, 1716 1-7 (Lemke).
- 5995 MALAWI MBC, talk to 0400 ID 1-15, nx, flutes 0409, talk, no VOA, poor (D'Angelo-PA).
- 5995 MALI Bamako, fade-in in FR 0706 2-2 after VOA 0700*, FR nx, drums (Eckman-CA).
- 5995 TANGIER VOA, EG "Tuesday Morning" 0630 2-2, over Mali (good Afr night) (Eckman-CA).
- 6005 W.BERLIN RIAS, GM singing 0558-0700, no ReLoj QRM, IS, ID by gal, 1-31 (Young-CA).
- 6010 BRAZIL R. Inconfidencia, 0502-0610 1-31, full ID 0604, fair sig (Rugg).
- 6015 AUSTRIA Vienna, Vienna 0313 1-25 with GM nx, mx, FR 0350 (Tuchscherer-WI); EG nx 0431 1-23, ID, cmtry, fair-good with some splatter, not listed in WRH/RHI (Buer-FL).
- 6020 NETHERLANDS RN, 0230-0302 1-18 with EG "Happy Stn" (Topoleski); EG 0315 1-20, soup recipe, IDs, talk about computers, good signal (Worob-TX).
- 6020 USA VOA, AR prgm 0736 1-6 with world nx in AR (Lemke).
- 6025 UNITD. 2123-2140 1-28 with ME mx, no annts, also 1-23 w/ME mx 2252-2307 (Tuchscherer-WI).
- 6035 CUBA Havana, EG 0415 1-15, sports, mx (Topoleski); EG to 0559* 1-31 (Jordan).
- 6055 FRANCE RFI, EG world nx at 0442 1-6 (Lemke).
- 6060 W.GERMANY Per sked, VOA-Werhtachtal, EG 0500, new site (Paskiewicz-WI, Harms-FRG).
- 6070 BULGARIA Sofia, EG 2129 1-9, IS, fgy sked, nx (Topoleski).
- 6070 MARSHALL IS. WSZO presumed 0819 1-30, island mx, no ID, no breaks (Eckman-CA).
- 6075 ECUADOR HCWB, "Happiness Is" at 1222 1-8, EG (Lemke).
- 6080 AUSTRALIA RA 1313-1430 1-14, "Window on Australia" etc (Jordan).
- 6080 MARSHALL IS. WSZO here in lang with EG IDs, island mx, under Russian; easy to hear IDs on the hr when the RS silent; from 0900 to 1100+ 1-31, 2-1, 2-2 (Young-CA).
- 6085 USA WYFR, relig.prgm in SP at 1433 on 1-26, not //5950 (Objio-DOM.REP).
- 6100 MALTA New fgy for IBRA Radio, EG 2045-2115 1-2, ID, interview, mentioned a Niagara Falls QSL-card; fair with YVTO QRM (D'Angelo-PA); 2100-2115* 1-27, -27, EG rel.prgm (Tuchscherer).
- 6100 NICARAGUA La Voz de Nicaragua, 0320 1-7 with EG nx (Topoleski).
- 6100 VENEZUELA YVTO, good with pips every second, ID each minute, hrd all day (Objio-DOM.REP).
- 6105 USSR RM, SP *0200-0240 1-30, M&W with nx, fair-good (Jordan).
- 6115 COLOMBIA LV del Llano, ads, pol.promos, ID, 1430 on 1-26 (Objio-DOM.REP).
- 6115 MEXICO R. Universidad, ID at 1613 1-9, schmaltzy SP vocals, good sig (Helms-CA).
- 6120 FINLAND Helsinki at 0556 1-10, IS, IDs, Finnish 0600, poor in QRM (Rhyne-NC).
- 6125 SWITZERLAND SRI, EG 0207 1-30, "Dateline" nx prgm, into SP at 0230 (Topoleski); poor but improving at 0230 1-21 in EG, //5965, 6135, 9725, 9885, 12035 (Worob-TX); EG at 0415-0425 on 1-2, nx, "SW Merry-go-round" with the two Bobs (Topoleski).
- 6150 ALASKA KNLS, EG at *0800 under Moscow; sometimes KNLS is on top; distinctive IS (Eckman-CA).
- 6155 ROUMANIA Bucharest, SP 2226-2245 tune-out, vocals, M&W anncrs with IDs (Tuchscherer-WI); EG 0207 1-17, cmtry, Mongolian dancing, poor signal (Levison-PA).
- 6160 COLOMBIA Em.Nueva Granada, SP nx, dateline style, mostly from Bogota, 1234 2-6, TC, fading fast (Laves-TX); "Radio Sucesos RCN" at 1415 1-26, SP nx, good sig (Objio-DOM.REP).
- 6165 NETHERLANDS RN, 0232 1-8 with extensive EG world nx; 0231 1-12 with nx, cmtry, very good signal; ditto at 0232 1-16, EG world nx, interviews (Levison-PA).
- 6170 COLOMBIA LV de la Selva, lively latin vocals at 0955 1-2, ID and fgy annt at 1001, "Esta es La Voz de la Selva en Florencia," TCs, ad string, another nice ID at 1031; SIO 444 (D'Angelo-PA).
- 6180 BRAZIL Radiobras, with PT programming at 0802 on 1-6 (Lemke).
- 6185 MEXICO R. Educacion, hrd in SP at 0305-0320 on 1-9, with talk, ID, ranchera mx (Paskiewicz-WI).

+++ It seems that the season just began, and we can already start seeing the summer approaching. Some reminders for reporting: Please include the abbreviation of the state where you live, as this is important to someone who is trying to gauge your reception. And please limit your items to two months before the month in which they will appear in KRENDX, i.e. for the April column, send in only February and March items. 73 - 



LOG REPORT

section C

6200 to 11699 kHz

Editor: Jerry Ervine, Box 5204, Hidalgo, TX 78557

Hello. Yes, its spring again and where did the season go? It sure is nice to see some of the old-timers reporting. I want to welcome the new reporters as well. Some of you have written to me and I will answer. Thanks for your fine support and I hope that the column is meeting your needs. 73's Jerry

- 6085 GERMANY FRG Bayerischer Rundfunk 0725 GM mx,nx/yl, lottery numbers; ments of Munchen & Bayern; SIO-343 (Laves-TX 12/20)
- 6090 LUXEMBOURG RL 0720 GM mx, ID, nx; SIO-322 (Laves-TX 12/20)
- 6230 ECUADOR HCJB 0230 EG BBCMS info; f. (Jordan-NC 12/13)
- 6240 BANGLADESH RB 1338-1400 Lang. tk, mx, prayers. IS f. (Gavaras 12/26 om w/nx, tk, yl w/nx (Uerlings 12/27)
- 6250 EQ. GUINEA R.Nacional 2108 SP yl, om/tk, freq, NA, s/off (Evans-TN
- 6280.3 LEBANON King of Hope 0425 AR mx, tk; 2136 EG, NA (Johnson-GA 12/20
- 6305 CLAND CID 0849-0901 SP mx, ID; (Topoleski 12/30)/ 1007 om, yl/nx ID, international nx, mx; SIO-353 D'Angelo-PA 12/5)
- 6325 CLAND V of Khmer 1319-1340 Lang. tk, mx, CW qrm.f (Gavaras 12/25)
- 6540 KOREA, PDR RP 1710-1740 AR yl/nx, mx, tk, ID; f. (Dillon-GR 12/2)
- 6570 BURMA Army Station 1130 Lang. mx. (Leskowitz 12/6)/1138 mx, om/tk, mx vocals/yl; SIO-242 (D'Angelo-PA 12/12)
- 6576 KOREA, PDR RP 1100-1125 EG IS, NA, s/on; nx, sked, mx, nx (Rugg-QUE)
- 7.060 ALBANIA RT 2330 EG nx, features; normal 7.065 f. (Rhyn-NC 12/28)
- 7.065 ALBANIA RT +0330-0340 EG ID, nx; (Topoleski 12/28)
- 7105 MONACO TWR 0752 EG Rel. Pgm., Christmas mx. (Eckman-CA 12/26)/0900 "Way to Life", f. (Jordan-NC 12/21)
- 7115 GERMANY FRG Portugal 0733 RS interview at Disneyland (Eckman 12/26
- 7115 USSR RM 0320-0328 EG nx. (Topoleski 12/23)
- 7140 CYPRUS BBCWS 1615-1645 AR pgm/Ethiopia, ID, mx; jam. f. (Dillon-GR 12/5)/1357 "Huna London" ID, rock mx, SIO-232; jam//9625 (Laves-TX)
- 7150 USSR RM 0328-0336 EG interview w/Carl Boyce; (Topoleski 12/23)
- 7160 HONG KONG BBC EG nx; f. (Jordan-NC 12/24)
- 7165 LITHUANIAN, SSR R. Vilnius 2300-2330 ID, freq, lbx, mx; f. (Loewer-OH
- 7165 UKRAINIAN R. Kiev 0300-0330 nx, mx, ID, freq; g. (Loewer-OH 1/2)/1245 "Saturday Talk Show (Rubin-NY 1/24)
- 7165nf CAMEROON R. Baffoussam 1545 Lang.? IS (drums), ID, mx (Schulze 12/29
- 7170 BELOUSSIAN, SSR R. Minsk 1845-1858 GM Drama pgm; //7420 (Rugg-QUE)
- 7170 China Lhasa(t) 1240 CH om, yl/tk, W. style mx; g. (Figliozzi-NY 1/6
- 7171.8 ANGOLA R.Nacional 0502 PT ID/om, ment. Lobito, Luanda//4952.6 need veri power??? Hilife, PT pops into om/tk; (Archer-NC 12/25)
- 7180 HONG KONG BBC 0845 EG comedy recording; g. (Walley-CA 12/28)
- 7199.8 SOMALIA R. Mogadishu +0258-0401 NA s/on om/tk, Quran, ID's, nx, mx, 12/21w/qrm VOA, 12/23 no qrm VOA; (Archer-NC 12/23)/ 0402 prayers w/qrm VOA-Woolferton; f. (Figliozzi-NY 1/5)
- 7200 GABON Africa #1 0530 FR nx, FR/EG ID, AF/FR mx; (Eckman-CA 12/9)/1632-1650 ID, Pop mx; (Schulze-FRG 12/29, 30)
- 7255 NIGERIA VON 0535 EG Af, wld nx/om; SIO-544 (Snyder-NY 12/27)/0513 listener's mail; SIO-333 (Laves-TX 12/16)/ 0530 nx, cmtry, mx, ID, freq; f (Loewer-OH 12/23
- 7259 VANUATU RV 0630 FR mx, drum segment, good, nx; (Eckman-CA 12/15)
- 7265 GERMANY FRG Sudwestfunk 0300-0400 GM Top 40, DJ tk (Paszkiewicz)
- 7275 S. Korea RK 1818 KR yl, om w/nat'l election cov. //7550 (Park-HI 12/16
- 7284 MALI RTV Malienne 0703 FR harp IS into NA, mx, sked; (Laves-TX)
- 7295 S. AFRICA RSA 0315 EG "Gd Morn. America"; jam under; Park-HI 12/24
- 7295 IRAQ R. Bagdad 2226 EG yl/tk, AR mx, nx, ID, s/off; (Johnson-GA)
- 7310 TUNISIA RTVT 2310 AR tk of Gulf war, ID; (Slagt-ARUBA 10/12)
- 7310 USSR RM 0336-0344 EG RS rock mx. (Topoleski 12/23)
- 7325 SIBERIA RMWS Chita? 1530 EG nx, request mx (clas.) (Park-HI 12/18
- 7335 CHINA, PR RB 1300 EG tk, treaty, human rights; (Walley-CA 12/13)
- 7355 USA WHRI 1054-1059 SP Rel. pgm ID, sked; (Rugg-QUEBEC 12/19)

7375 COSTA RICA R.Peace Int'l. 0205-0355 EG tk, ID/om, tk/SP (Snyder-NY / 0238 pgm. @ economy in Philippines; (Jordan-NC 12/22)

7383.6 LAOS LNR Savannakhet 1145-1224 Lang. yl/ID "Thini...Lao." 7 bells yl/nx, mx, om, yl alternate annmcs., qrm; (Archer-NC 12/31)

7385 CHINA, PR Xinjiang-PBS de Urumqi 1215 CH om tk, mx (Rubin-NY 1/18)

7400 USA WHRI 0045 EG Rel. pgm. g. (Brouillette 12/8) / 0335 Dr. Lester Sumner tkg. (Feeley-GA 12/12/0355-0405 R.Earth; (Snyder)

7414.8 PIRATE V of Laryngitis 2207-2220 EG? Sp. pgm NORAD/SANTA (Gavaras

7420 BYELORUSSIAN SSR R.Minsk 1830-1859 GM IS, drama pgm, mx (Rugg-QUE)

7430 GREECE VoGt 0130-0214 Lang harem mx, om w/ID; (Eastman-TX 12/25)

7550 S. KOREA RK 1820 KR om, yl w/election cov. //7275 (Park-HI 12/16)

7463 ISRAEL Reshet Bet 0538 HW bank ads, Bank Leumi (Snyder-NY 12/27)

7482 CLAND. Numbers St. 0404 SP yl reading nos. "Final, Final" (Feeley)

7936 CHINA, PR RB 2310 CH nx, ID/EG, (Slagt-ARUBA 10/12)

8000 JAPAN JY 1141-1200 JP wk. sig. time pips, yl/tk; (Archer-NC 12/11)

9020 CHINA, PR CPBS 2340 CH local mx, weak; //11040; 9064, 9080 not // (Leskowitz 12/15)

9022 IRAN VOIRI 1945 EG yl w/cmtry, om w/anti US-UN tk; qrn (Prath-FL)

9400 CLAND. R. Iran 1900-1928* FARSai? om tk, anthem, tk, mx; p. (Jordan)

9434 ISRAEL KOL 2013 EG ID by om, cmtry/synagogues; (Eastman 12/24) 2000 yl, om nx re. Gaza Strip; (Hawkins-PA 1/7/88)

9445 TURKEY VOT 2300 EG pop mx, New Year's wishes (Eckman-CA 12/31) /2315 nx, Turkish mx, nx & cmtry; SINPO-35333 (Bauernhuber 1/2) / 0445 "DX CORNER", tips from Sweden Calling DXers; g. (Feeley-GA 13) /2025 random mx, yl annor. in lang, nice mx (Hawkins-PA 1/7)

9455 USA WMLK 1946 EG rel. tk, Bible stories, ID Bethel, PA (Hawkins 1/7 1809 Yahwah's position on rights of property; (Feeley-GA)

9460 ISRAEL KOL 0500-0515 EG nx, sports, wx, freq; f-g. (Loewer-OH 1/2)

9475 EGYPT R. Cairo 0205-0330 EG om/nx, tk Mid-East, Africa (Jordan-PA)

9480 ARMENIAN SSR R. Moscow 2138-2222 FR/ARM. nx, mx, R.yerevan (Rugg)

9480 ALBANIA R. Tirana 2159-2222 FR IS yl/ID, nx; qrm w/USSR (Rugg 1/3)

9495 USA WRNO 2316 EG mx, ID, "Cruisin' America; qrm. (Park-MO 11/27)

9495 USA WCSN 2200-2235 EG nx, nx focus; (Topoleski 12/17)

9510 SEYCHELLES FEBA 1730 Lang. s/on, IS, ID, folk mx. s=5+40 db; (Schulze-FRG 12/29) /1754 yl/ID, IS into interlude mx; (Uerlings)

9510 ALGERIA at 0559 FR time pips into "Journal"; (Snyder-NY 12/27)

9525 CUBA 0610-0800 EG ancrs Donovan & Pierce, nx, cmtry; (Jordan 12/18)

9535 BOHAIRE TWR 0430-0440 EG 'Caribbean Nightcall' mx (Topoleski 12/27 /0500 rel. pgm., time, invite to write in; (Eckman-CA 1/3)

9540 NEW ZEALAND RNZ 0956-1106 EG drama, mx, time, qrm/VOA (Rugg 12/31)

9545 SOLOMON IS. SIBS 0710-0730 mx variety, g. (Helms-CA 12/20)

9552.5 GUINEA 1813 EG om/ relig. pgm, chants, tk; (Uerlings 1/2) / 2114-2138 EG relig. pgm, reading letters, qrm; (Archer-NC 12/12) /2148-2159* EG/SP rel. pgm, om/SP ID, anthem, 6 days/wk?; S10-322 (D'Angelo-PA 12/12) Ed. note: various stations reported; R. Malabo, R. Nacional Bata (t), R. Africa, respectively.

9555 MEXICO La Hora Exacta 1623 SP ancmts, (Tone for top of minute is at :04 after per WWV); 333 (Laves-TX 12/24)

9560 ETHIOPIA VOF 1511-1513 EG "Introducing Ethiopia", mx, nx, etc. 'Rev olutionary' not ment. in ID.w. (Gavaras 12/25)

5960 ETHIOPIA VORE 1828 FR yl & om/anc., rk mx, nx; p. (Uerlings 1/2)

9575 MOROCCO R. Medi 1720-1800 FR/AR om/tk, mx, ID, nx; (Jordan-PA 12/31 /1655 mx, yl/ID-R. Mediteranee Int. Marlboro comm. qrm/RFI (Archer)

9575 USA VOA 0400-0411 EG nx; (Topoleski 12/24) /0338-0346 om/tk abt. UNICEF, Zaire, 'Africa in US press, qrm, qrn; (Hollerman-AL 12/9)

9575 ITALY RAI 0100 EG nx, mx, S/off (Eckman-CA)

9580 AUSTRALIA RA 0900 EG 'Talkback'/txmt. sites; (Walley-CA 12/13) 1624-1625 om/ID, propagation report for S W; (Eastman-TX 12/30)

9580 SO. AFRICA RSA 0240 EG intvw. w/J. Jacobs, 'DX Corner' qrm (Park 12/28)

9585 HUNGARY RB *1930 GM IS, s/on, ID "Hier ist Budapest" nx //9835 (Prath)

9590 SO. AFRICA RSA 1525 EG/Lozi IS, ID, Lozi ID, nx; qrm (Park-HI 12/16)

9850 UK BBC 0110-0130 EG 'Outlook' intrvw. w/author, yl/ID (Hollerman)

9595 JAPAN NSB 0910 JP 'EG for Millions', cmtry/'Paper In Fire (Park)

9600 USSR Magadan R. 0140 RS folk mx, w/polar flutter; //9530 (Leskowitz)

9600 PORTUGAL RP 2236 EG Portugese pops; (Rubin-NY 1/24)

9610 AUSTRALIA 6WF 1857 EG mx, "Bad", DJ tk; jam qrm (Park-HI 12/31)

9610 AUSTRIA ORF 2105-2205 EG mx, omw/ ancmts, tk, wx, ID; p. (Jordan-PA)

9615 BRAZIL R. Cultural 0120-0155 PT pops, om/tk, mx; (Jordan-PA 12/14)

9615 USA KGEI 0906 SP mx, EG/SP; (Jordan-NC 12/21)

9620 AUSTRALIA RA 2103 EG wld nx, ID, Aus. nx; (Schulze-FRG 12/29)

9630 BOHAIRE RNW 0810 EG 'Media Network, sw nx & tips; (Park-MO 11/26)

9755 VATICAN Vatican R. 0330-0515 multi-Lang. rel.tks,mx, various Near-East languages, ID's,freq;(Jordan-PA 11/21)

9755 USA KUSW 0432-0541 EG om/ ancmts, ads, ID; w. (Uerlings 1/3)/ 0300 pop mx, ads, skiresorts, nx;(Hawkins-PA 1/5)/ 0318 pop mx, ID, freq;(Mulvey-MA 12/30)

9760 BRAZIL R.Nac. 0545 PT mx, om/tk, Y1/ID,address;(Snyder-NY 12/27 0030-0120 mx-ballads by om, ID's,promos, ancmts, mx; (Jordan-PA)

9770nf SEYCHELLES FEBA 1650-1710 Lang. address in Kenya,5+20db(Schulze

9770 AUSTRALIA RA 1040 EG DX pgm., (Rubin-NY 1/20)

9770 MALI R.Beijing 0015 EG New Year's messages, hot clendars?;(Jordan-NC 1/3)/ 0048 letters pgm; (Eckman-CA 12/26)/0153-0242 CH high qrn; (Helms-CA 12/17)/ 0302 EG om/nx, ID;// 11.980 (Uerlings)

9775 CHINA CPBS-Baoji 0235 CH mx/ancient instruments; w.(Rubin 1/21)

9800 FRANCE RFI 0150 FR/EG mx pgm; (Hawkins-PA 1/8)/ 0335-0345 EG "The Year Gone By", (Topoleski 12/2)/ 0440-0452 y1/nx, om /anc, (Eastman-TX)

9805 FRANCE RFI 0315 EG/FR mx pgm; FR & EG pop mx; (Rubin-NY 12/31)

9830 USSR RM 0405 AR om w/mx, ID, interview,mx,lcl qrm (Park-HI 12/26)

9830 USA KUSW 1505-1515 EG mx w/comm. first Sunday xmsn; s.(Buer 1/3)

9850 USA WGSN 0150 EG interview (Hawkins-PA 1/8)

9870 USA WGSN 0415-0445 EG Nx Focus, Letterbox (Topoleski 12/24)

9885 SWITZERLAND SRI 1615 FR nx, EG ID; Rubin-NY 1/1)/ 1530 EG nx, Dateline; s.(Hawkins 1/6)

9890 USSR RM 1759-1810 RS IS, nx by om,qrm RN (Dillon-GRE 12/3)

9895 NETHERLANDS RN 1810-1825 Dutch tk, ID,sked, NA;(Dillon-GRE 12/3)

9900 EGYPT R.Cairo 1810-1840 IT om/tk,mx, instr.,g.(Jordan-PA 12/8)

9915 UK BBCWS 2200-2210 EG wld.nx, (Topoleski 1/1)/ 1645-1701 TURKISH tk, ID,nx, off 1658 into RS;(Dillon 12/5)

9935 GREECE R.Macedonia 1417-1440 GK y1/tk, om/pos.ID(Jordan-PA 12/19)

9940 CAND. LV del CID 0350 SP ID, tk, s. 55544 (Mulvey-MA 12/22)

9950 SYRIA R.Damascus 1704 AR om/tk, prayers;(Uerlings 1/1)/ 1710-1725 nx, mx, press review;(Topoleski 1/2)/2005,rpt.9951(Rhyne)

9955 CHINA VOPFC-Taiwan 2340 SP E2L mx, ID's // 11885 via WYFR (Laves

9960 CAND. R. Caimen 0250 SP Amer.rock mx-Springsteen(Rubin-NY 12/18)

9977 KOREA, DPR RP 1705-1725 EG om/tk, ID, uteqrm, (Dillon-GRE 12/5)

10000 CHINA BPM 0029-0031 CH 10 CW BPMs & 2x time in CH by y1;(Archer)

10000 USA WWV 2358-0002 EG logged "leap" second @ 0000 followed by ID & clicks. BPM & others 'peeking' thru; (Buer-FL 12/31/87,1/1/88)

11665 KUWAIT RK 1818 EG om & y1 anc. pop mx, y1/tk Lang.(Hawkins 1/6)

11685 USA KUSW 0110 EG contemp. Am. mx.; (Rubin-NY 1/22)

9630 SPAIN REE-Noblejas 1949 SP om/nx, ment.Czech. (Uerlings 1/2)

9630 SPAIN SFR 0100-0137 EG nx, yr in review; (Topoleski 1/2)

9645 VATICAN CITY Vatican R. 1940 IT rosary by y1;(Hawkins-PA 1/7)

9655 THAILAND RT 0045 EG mx, ID, market rpt. time pips,gongs (Schulze

9655 AUSTRALIA RA 0825 EG prop. rpt.Christmas ancmts(Topoleski 12/23)

9660 VENEZUELA R.Rumbos 1050 SP ads, ID, nx/two om.g(Rugg-QUE 12/17)

9665 SO.AFRICA R. Five 0528 EG pop mx, ads; (Paszkievicz 12/13)

9675 PERU R.del Pacifico 1128-1135 SP Rel.pgm. ID/1221-1235(Rugg-QUE

9680 PORTUGAL 0230-03+00 PT/EG om/tk nx, wx, mx; (Jordan-PA 12/12)

9684 TANZANIA RT 1906 EG om/"...ext.svc. RT..."nx, qrm;(Park-HI 12/31)

9690 SPAIN? R. Beijing+0500-0555+ EG truly a mixed bag; (Buer-FL 1/2)

9690 ARGENTINA RAE 0410-0420 EG nx, mx; g. (Topoleski 12/11)

9695 SWEDEN RS 1415 EG pgm./fortune telling; g.((Walley-CA 12/28)

9719.7 ANGOLA R.Nac.-Luanda 1640 PT om/tk,rock mx,ballads(Uerlings12/19)

9720 SRI LANKA SLBC 1236 ID, pops time ck,5 pips, rel.pgm.(Johnson-GA

9720 ECUADOR HCJB+0030-0130+ EG ID, freq,nx,rel.pgm.)Jordan-PA 12/31

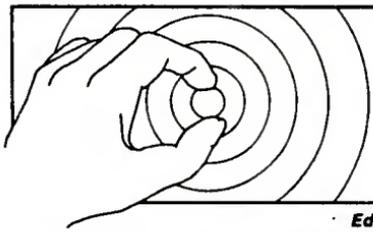
9725 SWAZILAND TWR 1325 EG 'Insight'constipation??g.(Jordan-NC 12/24)

9735 PARAGUAY R.NAC. 2120-2126 SP early fade-in, ID,tk(Schulze 12/29)

9735 QMAN RO 1645-1700 AR om tk, mx/Michael Jackson;323 (Snyder 12/27 /1837-1933 mx,tk, clock bells for lcl time, nx, drama (Paszkievicz 12/24)/ 1832-2001 under VOA, clear, 11 o'clock struck on large bell, om/ID, tks, prayers, drama w/y1 & om;(Archer-NC

12/30

9745 CHINA,PR RB 1810-1930 multi-Lang. om/tk,mx, ID,(Jordan-PA 12/10



LOG REPORT

section D

11700 and above

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

- 11700 GUAM KSDA Adventist World Radio in CH 2200, annct in EG, f (Rhyne NC 1/7)
- 11715 MALI R. Beijing relay in EG 0010, "Across the Land", exc (Brouillette IL 1/18) also in EG 0331 w/cooking show, "pan fried mutton w/leeks" (Topoleski PA 1/24)
- 11720 BULGARIA R. Sofia in EG *2230, nx, tlk re Bulgarian restructuring (Topoleski)
- 11730 SOUTH AFRICA RSA in EG 0210, nx, tlk re banning of Zimbabwe planes (Slagt ARUB) also in EG 0227 w/interview of author of woman composer's directory (Topoleski)
- 11735 NO. KOREA R. Pyongyang in EG 2300, nx, cmntry, mx (Zilmer NM, Tuchscherer WI)
- 11750 SINGAPORE BBC relay in EG 1235, world nx (Feeley GA 1/23)
- 11760 CUBA RHC in SP 1640, Latin mx, QRM from VOA at 1700 (Hankins PA 1/13)
- 11769 MEXICO XERMX R. Mexico Intl in SP 1450, tlk, songs, ID 1500 (Buer FL 1/16)
- 11790 ECUADOR HCJB Quito in EG 2145-2200*, "Music in the Night" (Topoleski PA 1/17)
- 11790nf MALI(p) R. Beijing relay in lang(?) 1852, tlk, s/off w/chimes (Buer FL 1/24)
- 11840 CUBA R. Moscow relay in EG 1445-1540, lang px, nx, "Focus on Asia" (Jordan PA) also in EG 1906 w/nx and tlk re flu epidemic in USSR, exc (Hankins PA 1/13)
- 11855nf? SWEDEN RSI in EG 1600, nx, "Sweden Calling DX'ers" (Zilmer NM 2/2)
- 11870nf CHINA R. Espana relay in SP *1100, IS, ID's, nx, p (Jordan PA 1/21)
- 11910 ECUADOR HCJB Quito in EG 0105, relig discussions, mx (Topoleski PA, Hankins PA)
- 11915 BRAZIL R. Gaucha in PT 2315-2343*, futbol interview, abrupt s/off (Brouillette)
- 11925 BRAZIL R. Bandeirantes in PT 2322, US pop mx, ID, mid-song pips (Brouillette)
- 11940 CANADA RCI in EG 0103, world nx, g w/some interference (Hankins PA 1/13)
- 11945 UNITED KINGDOM BBC in EG 0010, tlk on Arthur Scargill, "Radio Newsreel", g (Jordan PA 1/26) NOTE: WRTH lists Cyprus relay this fgy but mxn not in sked.
- 11960 ECUADOR HCJB Quito in SP 0048, Lat Am mx w/vocals, exc (Hankins PA 1/13)
- 11970 CUBA RHC in FR 2136, ID 2137 followed by martial mx, audio bad (Brouillette)
- 11980 NO. MARIANAS KFBS Saipan in IN 2157-2225, ID, relig mx (Paszkiwicz WI 1/9)
- 12015 CHINA R. Beijing in Amoy *1201-1255*, nx, patriotic mx, arias, f (Jordan PA)
- 12020 VIETNAM VOV in EG 2350-2357*, tlk re ancient art, vocals (Paszkiwicz WI 1/10)
- 12025 NO. MARIANAS KFBS Saipan in Mandarin(p)2346, organ mx, ID (Eastman TX 1/23)
- 12025 MONACO TWR in Persian 1615, ID in EG anncing Persian pgm (Zilmer NM 2/5)
- 12035 SWITZERLAND SRI in EG 2100, nx, "Dateline", cmntry, //9885 (Zilmer NM 2/4)
- 12035 SPAIN REE in SP 1710, sports, interviews, ID, g (Dillon GREECE 1/6)
- 12070 USSR R. Rodina/Mayak in RS 1458-1530, ID, sked, addr, IS, nx, mx (Dillon GREECE)
- 12095 UNITED KINGDOM BBC in EG 1610-1710, cmntry on US Fundamentalism (Dillon GREECE)
- 13645 USSR R. Vilnius in EG *2300, nx, cmntry, history, //11860 (Eckman CA 1/23)
- 13650 NO. KOREA R. Pyongyang in EG 2310, nx, cmntry re US-Japan ties (Feeley GA 1/24)
- 13715 CZECHOSLOVAKIA R. Prague in EG 1530, fgy, sked, nx, //11685, 11665 (Zilmer NM) also in EG 1440 w/analysis of Woodrow Wilson's 14 points, ID (Dillon GREECE 1/6)
- 13760nf USA WCSN in EG *1356, IS to 1400, s/on w/"Herald" pgm, vg (Buer FL 1/16)
- 13770 NETHERLANDS RN in EG 1500, interview w/Pakistani president (Dillon GREECE 1/8)
- 13775nf USA KVOH "Voice of Hope" in EG/SP 1600, "Radio Noticias", ads (Topoleski PA 1/6)
- 13790 USSR R. Moscow in EG 1605, world nx, ID, "News & Views", vg (Dillon GREECE 1/9)
- 15070 UNITED KINGDOM BBC in EG 1503, world nx, feature (Topoleski PA 1/7)
- 15095 ISRAEL Reshet BET in HB 1425, domest svce, ID, interviews, ads (Dillon GREECE)
- 15105 MALTA Deut. Welle relay in Urdu 1430, IS, site ID, nx, current affairs (Dillon)
- 15110 CZECHOSLOVAKIA R. Prague in EG 1430, fgy, sked, nx, cmntry, //21505 (Zilmer NM) in EG/CZ 1450, tlk re freedom of thought, nx, into CZ 1500 (Dillon GREECE 1/11)
- 15115 NO. KOREA R. Pyongyang in EG 0000, IS, NA, ID, nx (Topoleski PA 1/12) also in F 0025 w/wx rpt, KR mx, //15160, both fgy's p (Cobb ME 2/8)
- 15120 VATICAN STATE VR in EG *1545, tlk re ordination of 10 bishops (Topoleski PA 1/6)
- 15125 SOUTH AFRICA RSA in EG 1501, Afr-world nx, ID, econ nx, cmntry (Dillon GREECE)
- 15130 SPAIN R. Free Europe in Latvian 1501, world nx, ID, sked, jammed (Dillon GREECE)
- 15130nf MALI(p) R. Beijing relay in Hausa 1750-1757*, tlk, vg (Buer FL 1/24)
- 15135 UNITED ARAB EMIRATES R. Dubai in AR 1422, AR mx, phone-in, ID, rock mx (Dillon)
- 15135 WEST GERMANY DW in EG 1510-1550, "Economic Notebook", mailbag, mx, ID, freqs, into Swahili at 1550 (Cobb ME 2/6)
- 15140 CHILE RN de Chile in SP 2233-2305, nx pgm (Topoleski PA 1/4, Lemke 1/7)
- 15145 PORTUGAL RFE in PL 1445, tlks, ID 1500, QRM from RBE, p (Dillon GREECE 1/13)
- 15155 CZECHOSLOVAKIA R. Prague in EG 1435, anti-Israel cmntry, ID (Dillon GREECE)
- 15160 NO. KOREA R. Pyongyang in EG 0016, cmntry, KR mx (Topoleski PA 1/12)
- 15160 ECUADOR HCJB Quito in SP 1837, classical mx, exc (Hankins PA 1/12)
- 15175 EGYPT R. Cairo in AR 1450, domes. svce, cuts of AR mx, chimes 1500, ID (Dillon)

- 15175nf NETHERLANDS R. Nederlands in EG 1830, world nx, exc (Hankins PA 1/12)
 15180 UNITED KINGDOM BBC London in AR 1505, nx, "The World of Art", f (Dillon GREECE)
 15195 MOROCCO VOA relay Tangier in Armenian 1502, nx, IS, f (Dillon GREECE 1/18)
 15205 UNITED KINGDOM VOA relay in EG 1502, world & econ nx, sports, ID (Dillon GREECE)
 15215 PORTUGAL R. Free Europe in PL 1429, tlks, ID, jammed (Dillon GREECE 1/21)
 15225 UNITED KINGDOM VOA relay in Uzbek 1450, ID, tlk, into Armenian 1500 (Dillon)
 15240 EAST GERMANY RBI in EG 1527, tlk re peace, g (Rhyne NC 1/17) also in EG 1536-57*
 w/Elks re Pres. Reagan's SDI plans, E. Germ. technology, skeds (Jordan PA 1/23)
 15300 JAPAN RJ in EG 2340, "Hello America" pgm, tlk re Amer. football (Rhyne NC 1/17)
 15360 INDIA AIR Bombay in EG 1845, sub-cont. songs, ID 1900, nx, f-p (Buer FL 1/17)
 15365 CANARY IS. R. Espana relay in SP 0036, ID in EG 0100, then into pgm in SP, in
 parallel 9360 to 0100, no other parallels found (Young CA 1/30)
 15420 GUAM KIWR in Mandarin 2325, organ mx, ID in EG 2331*, f (Eastman TX 1/23)
 15430 SWITZERLAND SRI in EG 1534, nx programing (Topoleski PA 1/6)
 15435 UNITED ARAB EMIRATES R. Dubai in EG 0605, AR mx, ID, //17865, g (Young CA 1/31)
 15474 ANTARCTICA R. Nacional Arcangel in SP 2243, ID, pop vocals, w (Eastman TX 1/16)
 also in SP 2301 w/SP vocal mx, many ID's, request for mail (Rugg QUEBEC 1/30)
 15495nf? COSTA RICA(t) RFPF in SP 2115-2200, lengthy tlks, poss ID 2130, slow instrum mx,
 off air for 2 min at 2134, back w/cont'd tlks, group vocals in EG, tent ID on
 this one with echoey audio, QSD, QRN, QSB, & QRK, p (Jordan PA 1/12) ED: Does
 anyone have a line on this one? It doesn't seem like move from 15460.
 15560 MADAGASCAR R. Nederlands relay in FR 1928, IS, ID, nx, vg (Tuchscherer WI 1/28)
 15575? NETHERLANDS RN in EG 1720 w/promo for "Portraits of the Past" (Bauernhuber NY)
 ED: WRTH lists RN relay Madagascar in EG this time slot at 15570???
 17675 EGYPT R. Cairo in EG 1250, "Cairo Chronicle", mx, f (Rhyne NC 1/8)
 17705 UNITED KINGDOM BBC London in EG 1605, world nx to Afr, exc (Hankins PA 1/29)
 17765 MEXICO RMI in SP 2156, lite mx, some jazz, ID 2200 (Brouillette IL 1/7)
 17790 ECUADOR HCJB Quito in EG 1923, family relationships & relig (Hankins PA 1/29)
 17830 SWITZERLAND SRI in EG 1550, "Dateline", interview (Topoleski PA 1/6) also in EG
 1309 w/rpt on Red Cross work, mailbag, "Swiss Music Box" (Edwards PA 2/1)
 17835 JAPAN RJ in EG 2100, nx, cntry, "Japan Scene", xmsn to SA (Zilmer NM 2/5)
 17840 VATICAN STATE VR in IT 1815, religious sermons (Rubin NY 1/16)
 17880 EAST GERMANY RBI in EG 1120, world nx, heavy co-channel QRM (Topoleski PA 1/13)
 18080 UNITED KINGDOM BBC London in EG 1525, "Focus on Africa" (Topoleski PA 1/6)
 21455 WEST GERMANY R. Liberty in RS 1505, tlk re arms treaty (Slagt ARUBA 1/3)
 21500 WEST GERMANY R. Free Europe in EG 1510, tlk, clear ID (Slagt ARUBA 1/3)
 21505 CZECHOSLOVAKIA R. Prague in EG 1430, nx, cntry, mx (Zilmer NM 2/4)
 21575 SPAIN REE in SP 1733, tlks, g (Hankins PA 1/11) also in SP 1310-1340+ w/tlk &
 mx mix, bossa nova, "Beach Boys" hits sung in SP, g (Jordan PA 1/21)
 21680 NETHERLANDS ANTILLES RN relay in DT 1735, nx, g (Hankins PA 1/11)
 21685 NETHERLANDS ANTILLES RN relay in EG 1910, Dutch National Museum pgm (Hankins)
 21700 GABON R. Japan relay in EG 1515, tlk re New Year festivities in Japan (Slagt)
 21835nf USA WRNO New Orleans in EG 1735, relig pgm, f (Levison PA 1/16)

 Repeat loggings listed in last month's issue were not included in the above summary.
 Please consult last month's FRENEX for a more complete update. "nf" means that the station
 is not listed for that frequency in either the 1988 WRTH or the 1988 Radio Database Inter-
 national publications. In the case of new VOA frequencies, it means that the station was
 not listed on the given frequency in the latest FREQUENCY SCHEDULE distributed by VOA.

FOR SALE: NRD-5250, recent serial number and in mint condition. Price
 \$1049.00 plus shipping. Eavesdropper Antenna in new condition. Price
 \$42.00 plus shipping. WRTH from 1984 to 1987. Price \$9.50 each plus
 shipping.

WANTED: Drake SPR-4 or R-7A in mint condition with noise blander and
 filters in the R-7A. Jim Uerlings, 1437 Pacific Terrace, Klamath
 Falls, OR 97601. Phone (503) 884-7659 after 0130 GMT weekdays or any-
 time weekends.

FOR SALE: Datong AD-270 indoor active antenna, \$55.00. Sony ICF-7600
 receiver, \$35.00. Benjamin Michael 24-hour quartz clock, \$7.00. All
 items postpaid. Edward Pyatt, 10-B Bainbridge Avenue, Hampton, VA
 23663. Phone (804) 723-0148 after 7:00 pm Eastern Time.

FOR SALE: ICOM R-71. Stock model in excellent condition with manual,
 box and DC adapter. Best offer over \$500.00. Austin Kelly, 1634
 Wesley, Berwyn, IL 60402-1848. Phone (312) 324-5254.

If you didn't make it to Willow Grove on February 13 and 14, you missed a heck of a good time. I think as many as 70 people showed up on Saturday. I am sure Chuck Rippel will have more to say about the gathering in his column.

Checking Moscow frequencies, these are what I can hear (others were announced but not heard here). The "relay" referred to below are Cuban (c.f. 1988 WRTH) and have a significant circuit delay. I included in the accompanying listings what I consider to be the best outlets in the respective time periods; my choices for 01-04 are good across the entire time period.

2100: 11840 7195 7170 7150
 2200: 15455 13665 12050 11860 9820 9710 9515 9490 7310 7195 7115 6200 6045
 (relay) 5945 5915
 2300: 15455 13665 12050 7310 7215 7150 7115 6045 (relay) 5915
 0000: same as 2200 with addition of 6000 (relay)
 0100: 13665 12050 7310 7215 7150 7115 6045 (relay) 6000 (relay) 5940 5915
 0200: no change
 0300: drop 13665 and 7215

Kiev is announcing 13645, 11890, 11790, 7165, and 5980 for 0030 and 0300 to NA, but I don't hear 5980. I hear, in addition to the remainder, unannounced 7400, 6200 and 6020. So listed...

Thanks to Dave Alpert for the tearsheet on BBC's World Service frequencies; adjustments were made. Unfortunately, Radio Sweden still gets bombed out in its 2300 and 0230 UT transmissions to NA; 31m does not propagate at the high latitudes and 6045 clearly cannot be heard with the Cuban relay of Moscow. I suggest setting a timer for 1400 on 15345, clearly the best of the NA broadcasts.

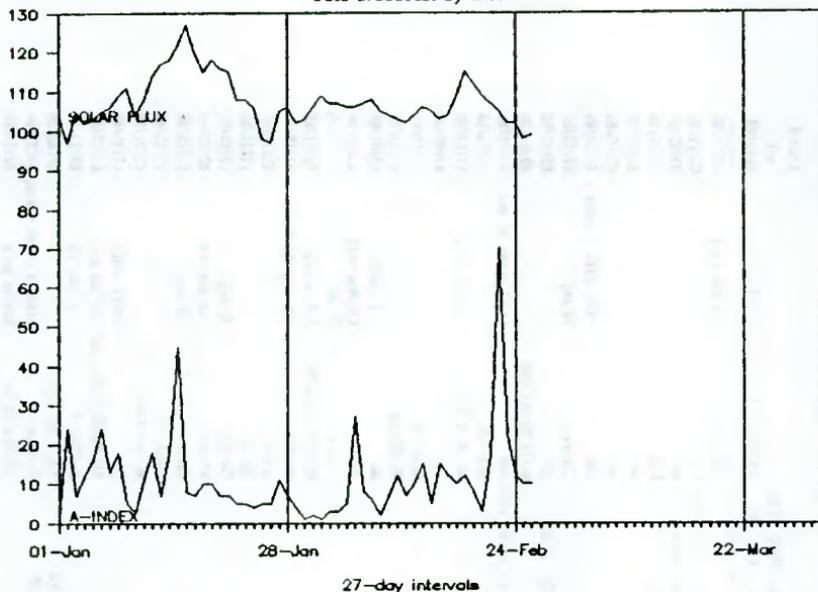
The Pinelands RBBS had a major upgrade in February. An 8 MHz PC/XT turbo clone with a total of 60 Megabytes was put on line. An EMS card with 1 Meg to put the RAM disk and disk cache program above base memory was also installed. With all menus, bulletins and help files on that RAM disk, system response time is quite good. The files that had to be archived due to limited disk space on the IBM PC are now available. The RADIO directory has been separated into two: SWL and HAM; check both as you will find most of the propagation programs in the latter. The SWL conference (type j;swl at a main commands prompt) continues.

Bob Horvitz has the latest ANARC newsletter on line, and don't forget to complete the ANARC Computer Communications Survey form to be returned to Bill Cole by the end of the month. If you don't have a copy, on Pinelands download the ANARC.TXT file.

 :
 Thomas R. Sundstrom : Telex: 6502446376 (via WUI)
 PD Box 2275 : MCI Mail: 244-6376
 Vincentown : The Source: BCFB11
 NJ 08088-2275 : Compuserve: (send via MCI Mail)
 : Packet Radio: W2XD @ WB2MNF
 : Pinelands RBBS: 609-859-1910 (24/12/3 8N1)
 :

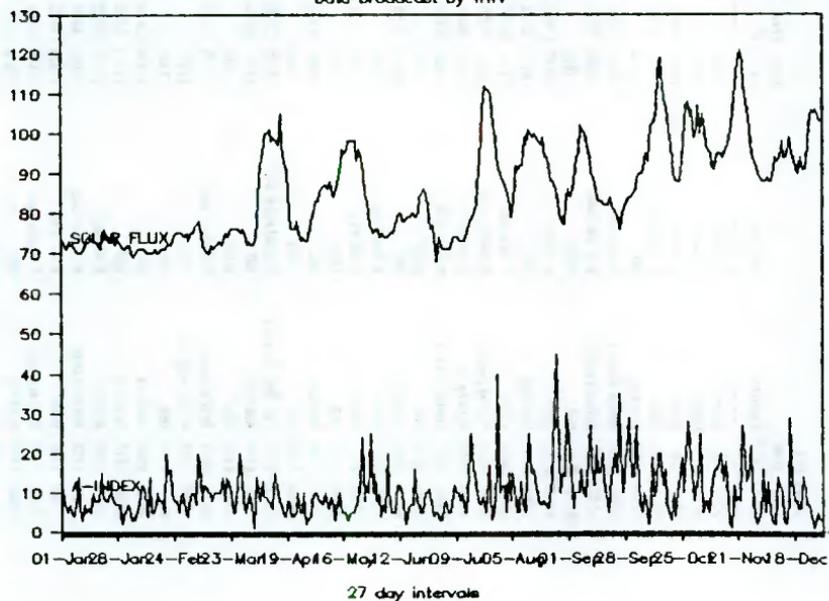
SOLAR FLUX & A-INDEX: Jan - Mar 88

Data broadcast by WWV



SOLAR FLUX & A-INDEX: 1987

Data broadcast by WWV



ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
 Compiled by Thomas R. Sundstrom, W210

Start Time (UTC)	Time (UTC)	Country	Station	Freq								Target Area	Notes	Record Last Updated
				81	82	83	84	85	86	87	88			
0000	0030	Norway	R Norway	9625								EMK/CA/SA	Eng Mon only	02/07/88
0000	0100	USSR	R Moscow	15455	13645	7310	7215	7195	7150	7115	6000	EMK		02/01/88
0030	0100	USSR	R Kiev	13645	11890	11790	7400	7165	6200	6020		EMK		02/02/88
0100	0400	USSR	R Moscow	7310	7150	7115	6000	5940	5915			EMK		02/01/88
0130	0200	Austria	ORF	9870								MA		02/21/88
0200	0354	South Africa	Radio RSA	9615	9580	6010						MA		02/05/88
0230	0325	Netherlands	R Nederland	8995	9590	6165	6020					EMK	9590, 6165 v Bonaire	02/23/88
0300	0500	USA	KUSM	9815								Canada	70 deg	02/15/88
0330	0430	England	R Kiev	13645	11890	11790	7400	7165	6200	6020		MA		02/02/88
0358	0800	USSR	BBC	6175	5975							World Service/MA	add'l freets in use	02/01/88
0400	0425	Netherlands	R Nederland	13645	12050	11790	7290	7260	7165	6190	6150	MA/EMK		02/01/88
0400	0430	Norway	R Norway	9655	9650							MA/EMK		02/23/88
0400	0428	South Africa	Radio RSA	9580	7270	5980	4990					MA/EMK/EMK Afr	Eng Mon only	02/07/88
0400	0600	USA	WHRI	7400								Eu/CA/SA		02/05/88
0430	0500	Austria	ORF	15410	6155	6015						ME/MA/EMK		02/21/88
0500	0600	China	R Beijing	9690								MA	via Spain	02/01/88
0500	0530	Norway	R Norway	11865	11735							ME/Afr	Eng Mon only	02/02/88
0500	0700	USA	KUSM	6155								Canada	70 deg	02/15/88
0600	0730	England	BBC	9640	5975							World Service/MA	9640 Carib	02/01/88
0600	1200	USA	WRND	6185								MA/CA	20 deg (Su only)	02/15/88
0615	0700	Fed Rep Germany	R Deutsche Welle	15185	13790	11765	9700					M Afr		02/12/88
0630	0700	Austria	ORF	17870	15410	11915	6155					ME/EMK		02/21/88
0700	1100	USA	KUSM	6135								Canada	70 deg	02/15/88
0730	0825	Netherlands	R Nederland	9715	9630							NZ/Aus	via Bonaire	02/05/88
0800	1800	M Mariana Is	K101	11900								Japan	340 deg	02/15/88
0800	1100	USA	WHRI	7355								Eu/CA/SA		02/15/88
0830	0900	Austria	ORF	17870	15410	11915	6155					ME/Aus/As/Eu		02/21/88
0900	0915	Austria	ORF	21730	15235	15180						Eu	Sunday only	02/21/88
1000	1030	Norway	R Norway	17820	17655	15540	15320	15225	13790			Afr/Eu/ME/FarE/Aus/SA	Eng Sun only	02/07/88
1030	1125	Netherlands	R Nederland	9685	6020							Aus/Carib	via Bonaire	02/23/88
1100	1200	USSR	R Moscow	17820	17655	15540	15320	15225	13790			World Service		02/06/88
1130	1225	Netherlands	R Nederland	21480	17605	17575	15560	9715	5955			Eu/ME/As	21480 & 15560 v Madg	02/23/88
1200	1230	Austria	ORF	17870	15320	11915	6155					EMK/Aus/As/Eu	Sunday only	02/21/88
1200	1400	USA	WRND	5980								E Canada	45 deg	02/15/88
1200	1430	USA	WRND	9715								MA/CA	20 deg (Su only)	02/15/88
1200	1300	USSR	R Moscow	17820	17655	15585	15540	15500	15225	13790		World Service		02/06/88

1230	1300	Austria	DRF	17870	15320	11915	6155	ENA/Rus/As/Eu			02/21/88			
1300	1345	England	BBC	11775	11750	9740	9510	6195	5965	World Service/NA	11750 & 9740 FE	02/01/88		
1300	1330	Norway	R Norway	25730	21700	15310	15190	9590	6035	NA/CA/Eu/Afr/SAs	Eng Sun only	02/07/88		
1300	1400	USSR	R Moscow	17820	17655	15585	15540	15530	15465	15225	13790	World Service	02/04/88	
1345	1500	England	BBC	11750	9740					World Service/NA		02/01/88		
1400	1430	Norway	R Norway	15310	15310	15305				NA/S As	Eng Sun only	02/07/88		
1400	1456	South Africa	Radio RSA	21590	17755	15125	9655			Afr/NE/UR/Ireland		02/05/88		
1400	1600	USA	WCSN	13760						E Canada/Eu	60 deg	02/15/88		
1400	1500	USSR	R Moscow	17820	17655	15540	15225	13790	12040	11900	11840	World Service	11840 v Cuba	01/31/88
1430	1400	USA	WRNO	11965						NA/CA	20 deg (Su. only)		02/15/88	
1500	1550	Fed Rep Germany	R Deutsche Welle	17765	15135	9735	7225			SAC&E Afr			02/12/88	
1500	1630	Guam	KTHR	9820						India			02/22/88	
1500	1700	USA	MHR1	21550	15105					Eu/CA/SA			02/15/88	
1500	1600	USSR	R Moscow	17820	17655	15540	13790	12040	11840	11670		World Service	11840 v Cuba	01/31/88
1530	1600	Austria	DRF	11780	11915	6115	5945			S As/Eu			02/21/88	
1530	1625	Czechoslovakia	R Prague	21505	17705	15110	13715	11990	11485	11665	9605	Afr/As		02/21/88
1530	1600	Switzerland	R Swiss Int'l	17830	15430	13685	9885			NE/E Afr			01/31/88	
1559	2100	USA	WRNO	15420						NA/CA/Eu	20 deg		02/15/88	
1600	1630	Norway	R Norway	15310	11870	9660				SAs/NA	Eng Sun only		02/07/88	
1600	1800	USA	WCSN	21640						S Afr	105 deg		02/15/88	
1600	1700	USSR	R Moscow	11840	9565					World Service	11840 v Cuba		01/31/88	
1610	1650	Fed Rep Germany	R Deutsche Welle	15510	15105	11785	9745	9585	7200	6170		Aus/As		02/12/88
1700	1730	Norway	R Norway	15310	15220	9655				NA/Afr/Eu/NE	Eng Sun only		02/07/88	
1700	2100	USSR	R Moscow	11840	9565	7115				World Service	11840 v Cuba		01/31/88	
1800	2200	Mariana Is	KYDI	9495						Japan	340 deg		02/15/88	
1800	1856	South Africa	Radio RSA	17880						NA/CA/Eu/Afr/NE			02/07/88	
1800	2000	USA	WCSN	21640						E Afr	75 deg		02/15/88	
1800	2100	USA	MHR1	17830	13760					Eu/CA/SA			02/15/88	
1805	1900	Austria	DRF	12010	11825	11915	6155	5945		NE/S Afr/Eu	Sat-Sun		02/21/88	
1830	1900	Austria	DRF	12010	11825	11915	6155	5945		NE/S Afr/Eu	Mon-Fri		02/21/88	
1830	1925	Netherlands	R Nederland	21685	17605	9540	6020			Afr/Eu	13417a Bon, 31a Nadg		02/23/88	
1900	1930	Norway	R Norway	15310	15230	9590				NA/SA/Eu/NZ	Eng Sun only		02/07/88	
1900	1956	South Africa	Radio RSA	15225	11900	7270				Afr			02/05/88	
2000	2100	Guam	KSDA	11665	5995					E As			02/15/88	
2000	2030	Norway	R Norway	15310	6000					NA/Eu	Eng Sun only		02/07/88	
2030	2125	Netherlands	R Nederland	15560	11740	9895	9540			W Afr	11740 & 9540 v Nadg		02/23/88	
2100	2400	USA	MHR1	17830	9770					Eu/CA/SA			02/15/88	
2100	0000	USA	WRNO	13760						NA/CA/Eu	20 deg		02/15/88	
2100	2200	USSR	R Moscow	11840	7195	7170	7150			World Service			02/05/88	
2130	2200	Austria	DRF	11915	9870	6155	5945			W Afr/Eu			02/21/88	
2200	2230	Norway	R Norway	11860	9525					SA	Eng Sun only		02/07/88	
2200	2300	USSR	R Moscow	15425	13665	12050	9490	7310	7195	7115	6200	World Service		02/01/88
2230	2300	Albania	R Tirana	9480	7210					Eu			02/16/88	
2300	0200	Guam	KSDA	15125	11700					SE As			02/15/88	
2300	2330	Sweden	R Sweden	9695	6045					NA			02/23/88	
2300	0000	USSR	R Moscow	15425	13665	7310	7215	7195	7150	7115	5915	ENA		02/01/88
2355	0100	USA	VGA	15205	11580	9775	9455			Americas			02/15/88	
2358	0400	USA	MHR1	9870	7400					Eu/CA/SA			02/15/88	

02/26/88

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas R. Sundstrom, W2IQ

Shortwave DX Program	Show Start Time	Xasn Start Time	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Target Area	Notes re DX Show	Record Last Updated
** DAY OF THE WEEK: Sunday														
World of Radio	1800	1559	USA	WRNO	15420							NA/CA/Eu		02/14/88
DX Corner	1840	1800	South Africa	Radio RSA	17880							W Afr/UK/Ireland		02/05/88
DX Corner	1940	1900	South Africa	Radio RSA	15225	11900	7270					Afr		02/05/88
** DAY OF THE WEEK: Monday														
DX Show & Mailbag	0315	0300	USSR	R Kiev	13645	11890	11790	7400	7165	6200	6020	NA		02/02/88
** DAY OF THE WEEK: Tuesday														
DX Program	0150	0100	USSR	R Moscow	7310	7150	7115	6000	5940	5915		ENA		02/01/88
SW Merry-Go-Round	0305	2358	USA	WHRI	9870	7400						Eu/CA/SA	R Earth repeat	02/15/88
Sweden Calling DXers	0310	2358	USA	WHRI	9870	7400						Eu/CA/SA	R Earth repeat	02/15/88
DX Program	0350	0100	USSR	R Moscow	7310	7150	7115	6000	5940	5915		ENA		02/02/88
DX Program	0440	0358	USSR	R Moscow	13645	12050	11790	7290	7260	7165	6190	WNA		02/01/88
DX Program	0640	0358	USSR	R Moscow	13645	12050	11790	7290	7260	7165	6190	WNA		02/01/88
Waveguide	1115	1100	England	BBC	11775	6195	5965					World Service/NA		02/23/88
SWL Digest	1330	1300	Canada	R Canada Int'l	17820	11855	9625					NA/Carib		02/23/88
** DAY OF THE WEEK: Wednesday														
DXer's Special	1750	1730	Argentina	RAE	15345							Eu/Afr/ME		02/26/88
DXer's Special	2220	2200	Argentina	RAE	11710	9690						Americas		02/26/88
** DAY OF THE WEEK: Thursday														
DXer's Special	0220	0200	Argentina	RAE	11710	9690						Americas		02/26/88
DXer's Special	0420	0400	Argentina	RAE	11710	9690						Americas		02/26/88
** DAY OF THE WEEK: Saturday														
Pacific DX Magazine	1515	1500	Guaa	KTMR	9820							India		02/22/88
DX Radio Tips	2120	2100	Turkey	V of Turkey	7215							Eu	Biweekly	02/20/88
DX Radio Tips	2320	2300	Turkey	V of Turkey	17760	9445	7160	7135				SE As/NA/Eu/ME	Biweekly	02/20/88

ANARC Computer Information Committee



C/O BILL COLE

107 Charles St, N. Cape May, NJ 08204 USA

ANARC Computer Communications Survey

The Association of North American Radio Clubs wants your feedback on how to best use telecommunications in serving you and your club. Please answer this survey and return it to us by March 31, 1988.

1. What type of computer do you use?
2. Do you call non-commercial radio related BBSs?
How often?
Which BBSs do you call?
3. How important is each of the following BBS features to you?
(Rate from 1 to 11; 11 is highest - PLEASE PUT RATING ON LEFT)

- ___ Uploading & Downloading of programs. ___
- ___ Uploading & Downloading of text files. ___
- ___ Sending & receiving E-mail. ___
- ___ Posting notes, dx tips, etc. for others to read. ___
- ___ Reading notes, dx tips, etc. from other users. ___
- ___ Message forwarding. ___
- ___ Reading magazine/library features. ___
- ___ Reading bulletins/schedules from broadcasters. ___
- ___ Conferencing. ___
- ___ Propagation indices. ___
- ___ Other (specify). ___

4. For the ABOVE eleven features, put a plus (+) to the RIGHT of those you use frequently, put a minus (-) to the RIGHT of those you use occasionally and a zero (0) to the RIGHT of those you don't use.
5. Are most of your calls to radio related BBSs long-distance?
6. Which of the radio related BBSs best meet your needs?

Why?

7. Do you use BBSs primarily for time critical information (DX tips) or non-time critical information (Tutorials, Station Schedules, etc.)?

8. Of the various BBS programs you have seen in use, which do you prefer?

9. What features would you like to have that are not currently implemented on any of the BBSs you have called?

10. Has your use of radio related BBSs made you more or less interested in joining a radio club?

11. Should ANARC be thinking PRIMARILY in terms of (select one):

- A. Operating its own BBS.
- B. A BBS with sub-boards for each member club.
- C. Forming a network of club sponsored BBSs.
- D. Supplying files and programs to all radio BBSs.

12. Do you call information services such as Genie or CompuServe?
How often?
Which ones?

13. When you call an information service, do you pay long-distance telephone charges in addition to those charges you pay to the service?

14. Which of the commercial services best meets your needs?

Why?

15. Comments:

Your Name:
Address:

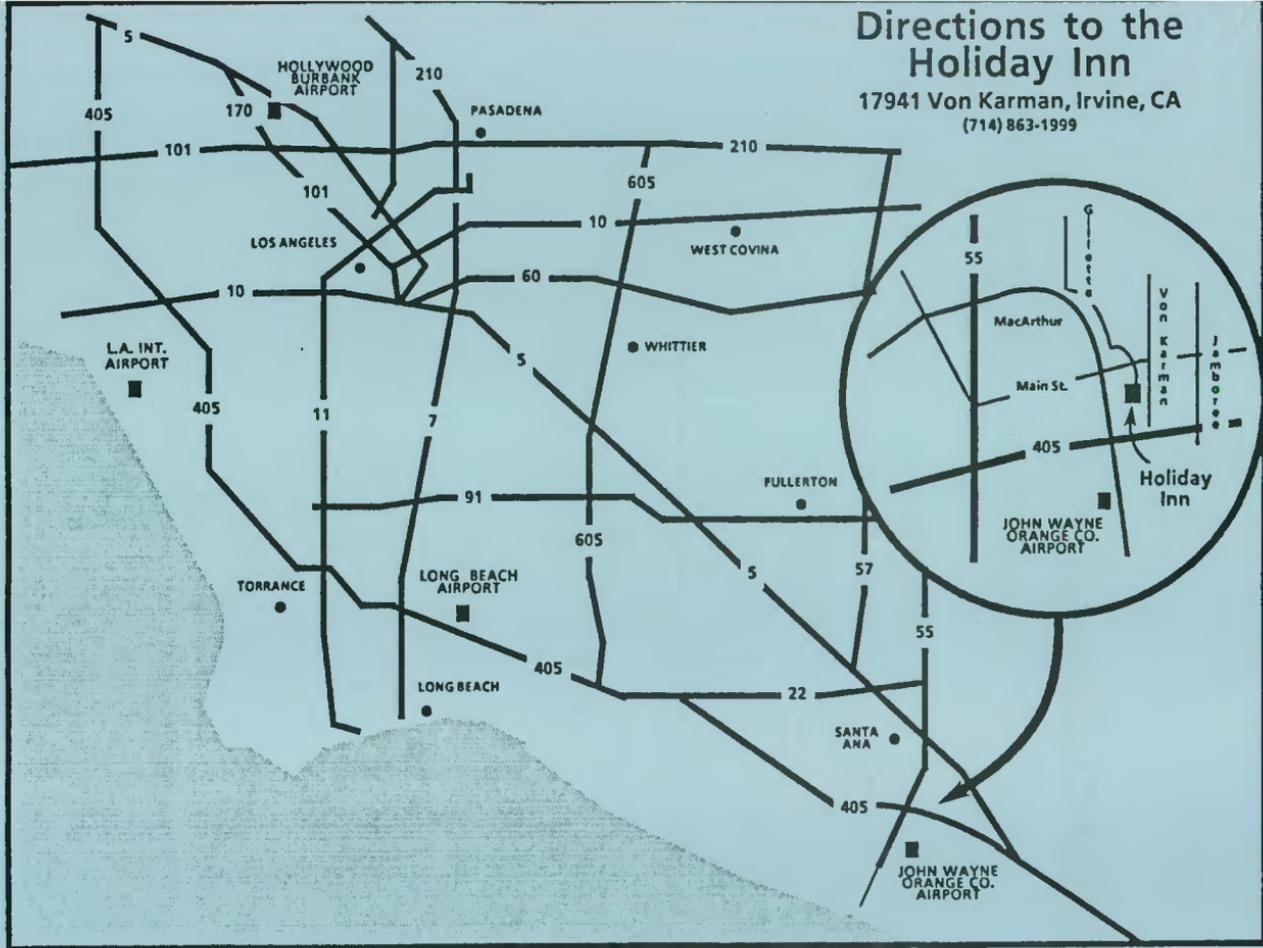
To which ANARC affiliated club(s) do you belong:

Other radio/communications related clubs to which you belong:

Please mail your survey to: ANARC Computer Information Committee
C/O Bill Cole
107 Charles St.
N. Cape May, NJ 08204 USA

Directions to the Holiday Inn

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(714) 863-1999



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