

# FRENDX

## RADIO EXTERIOR DE ESPAÑA

### PROGRAMA DE EMISIONES

(D - 86)

### SERVICIO EN LENGUAS ESPAÑOLAS

<u>AREA DE COBERTURA</u>	<u>FRECUENCIA</u>	<u>BANDA</u>	<u>AZIMUT</u>	<u>HORA UTC</u>	<u>DIA</u>	
<u>EUROPA</u>	(W) 6020 kHz	49 m	30°	0600-0700	Diario	
	(W) 7450	41	30°	0600-0700	Diario	
				1030-2230		
	(W) 9685	31	30°	0600-0700	Diario	
	(W) 9570	31	10°	1030-2230	Diario	
	(A) 11790	25	30°	1030-1630	Diario	
	(W) 11920	25	60°	1030-2230	Diario	
	(A) 15395	19	30°	1030-1630	Diario	
	<u>AUSTRALIA</u>	(W) 9650	31	260°	0500-0700	Diario
		(W) 11730	25	260°	0500-0700	Diario
<u>MEDITERRANEO E INDICO</u>	(W) 15125	19	98°	0500-0700	Diario	
<u>AMERICA (Norte)</u>	(W) 6125	49	290°	0200-0500	Diario	
	(W) 9630	31	290°	0200-0500	Diario	
				1930-2330		
<u>AMERICA (Centro)</u>	(W) 9360	31	260°	2300-0500	Diario	
	(W) 9745	31	260°	2300-0500	Diario	
	(W) 15125	19	242°	1930-2330	Diario	
	(T) 15365	19	260°	1230-1920	Domingo	
	(W) 15380	19	260°	2200-0200	Diario	
	(W) 17845	16	242°	0930-1300	Diario	
<u>AMERICA (Sur)</u>	(W) 11775	25	230°	0930-1900	Diario	
	(W) 11940	25	230°	2300-0200	Diario	
<u>AFRICA</u>	(W) 17890	16	170°	1300-2230	Diario	
<u>ORIENTE MEDIO</u>	(W) 17770	16	92°	1030-1800	Diario	
	(W) 21575	13	92°	1030-1900	Diario	
<u>LENGUA SEFARDI</u>	(W) 21575	13	92°	1800-1830	Excepto J. Jueves	

### SERVICIO EN LENGUA ARABE

<u>ORIENTE MEDIO</u>	(A) 11820	25	110°	1700-1800	Diario
<u>MAGREB</u>	(A) 6130	49	170°	2030-2130	Diario
	(W) 9745	31	170°	2030-2130	Diario

# NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION

WILLIAM E. OLIVER  
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## NEW UPDATE EDITOR NAMED

First of all, my apologies to UPDATE subscribers who haven't received the recent issues. Former editor Tom Alleman's case load became too heavy to allow him to continue with UPDATE and locating a new editor and discussing proposed changes took longer than I expected. I should have notified subscribers of the situation. My fault.

The new editor of UPDATE will be Robert J. Hill whose address is 71 Beach Street, Sharon, MA 02067. Bob is well known in DXing circles and I'm sure he'll do a fine job with UPDATE. I hope you'll give him all possible cooperation. Many thanks to Tom Alleman for the fine job he's done over the years.

## HCJB FROM HAWAII?

Marlin A. Field writes that HCJB is seeking permission from the FCC to build a station in Hawaii and the World Fellowship Board of Trustees is asking for a permit for shortwave.

## NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Uniden CR-2021 AM/FM/SW portable in very good condition. Price \$95.00 plus shipping. Mike Levintow, 2829 Connecticut Avenue NW, Washington, DC 20008. Phone (202) 387-4312 evenings.

FOR SALE: Drake SSR-1, usable but need alignment, \$75.00, Heath HX-1681 transmitter, PS23 power supply, \$75.00. Knight T-150 transceiver, \$50.00. Nostalgia collectables: Grundig table radio, WW2 Navy RBS 2-20 MHz, \$25.00, Navy ARB, \$15.00. Several USAAF BC-348. Knight Space Spanner, \$15.00. Heath GR-81, \$10.00. SASE for list of other equipment. Hugh Miller, 11206-1 NE, Seattle, WA 98125. Phone (206) 365-3684 from 10:am to 1:00pm local time.

WANTED: Zenith Transoceanic Model R-7000. Circa early 1980's. Must be mint. Larry Rosenberg, 127 Corliss Drive, Moraga, CA 94556. Please call (415) 376-1272 evenings.

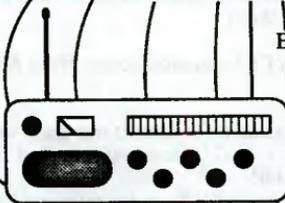
FOR SALE: Sanserino 2' "box" loop antenna with FET amplifier for BCB DXing. Fully assembled with stained hardwood frame and base. This antenna has netted me 47 states on the broadcast band. One year old. Works great and is in good condition, \$75.00 by UPS. Rick Krzemien, 550-A North Civic Drive, Walnut Creek, CA 94596-3250. Phone (415) 944-9589.

FOR SALE: Drake TR-4 transceiver with MS-4 power supply and vertical antenna. Excellent condition, \$250.00. R-390A, restored, works perfectly. Modified with solid state power supply. Clean, not scratched. Manual included, \$250.00. Prices negotiable. Prefer to sell in NYC area. Herb Shatz, 65-09 99 Street, Apt. 6T, Forest Hills, NY 11374. Phone (718) 275-9215. evenings until 0300 GMT and weekends.

FOR SALE: Sony CRF-1 super portable. Just checked by Sony Corporation Service Center in New Jersey. Covers LW to 30 MHz. Still rated best in WRTH. Price \$700.00 (over 1400.00 new). M. Stutterheim, 510 Main Street #732, Roosevelt Island, NY 10044. Phone (212) 888-7416 Or (516) 668-5757 weekends.

FOR SALE: Sony ICF 6700W, \$150.00. Customized Beam Headings (from/to) and distances (MI/KM) to over 355 WRTH transmitter sites. Useful in picking alternate transmissions and selecting listening times based on distances. ITU Country Codes included. Send your location/coordinates, \$5.85. FRENDX complete '84 or '85, \$5.00 each. WRTVH '85, \$6.00. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

# CONTACT



Editor:

Stephen G. Moye  
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Greetings to the first CONTACT of 1987. I hope that you and your families have had a very pleasant, happy -- and, above all -- safe holiday season. Although the change will not be immediately apparent to you, this column is being prepared on a new (both to me and to the software world) program by the name of *ReadySetGo3*. It is a desktop publishing program made by Manhattan Graphics Corporation (163 Varick Street, NY, NY 10013-9990), and it is absolutely superb -- quite the equal of programs costing quite a bit more. I recommend it very highly indeed. Now on to the first letters of the New Year. . .

From *Cathy Turner* (Yonkers, New York) comes a wonderful letter to start off with; she is the first to take me up on an invitation I issued to all NASWAers -- but read on. . .

Seasons Greetings and all that stuff!

I've had my "DX-mas" stocking (cute, huh?) filled a little early this year. I heard radio Korea clearly for twenty minutes before it started playing hide and seek in the static!! Now some SWLs/DXers will say "big deal." It's a big deal for me, as I have a lowly indoor active antenna, unlike some people who have multi-meter long wires. . . Which brings up the subject of the new Radio Japan Sackville Relay. Honestly, don't you think it takes a little fun out of SWL? I mean, wasn't it something special when you first heard Radio Japan (or New Zealand, Korea, or anything a trifle more exotic than VOA or Moscow) come crackling with delight over your receiver? Oh, sure, I'll listen to Radio Japan on 6120. . . but it's not as exciting as sitting in the dark, yelling at the kids to turn off the kitchen lights, cable TV, and the computer, just so that you can hear something that may be your imagination. Give me "snap, crackle, and pop," I'm a purist.

Several months ago, you requested humor associated with the hobby. Not having seen any stories, here are two anecdotes:

#1. One night last week I was listening to Botswana (on 7255). My seven year old son, Chris, passed by my door on a nocturnal pit stop. He peered in at me, as I sat curled up on the sofa, earphones on my head, notepad on my lap. He asked me what I was listening to. "Botswana. It's in Africa," I replied. He nodded and continued on his way to the bathroom. On his way back to bed, he came into the room for a quick snuggle. He took the phones from me, put them on and sat quietly listening. After a few minutes, he very seriously removed them and looked up at me. "Mommy," he said, "I think you'd better go to sleep. You're listening to cows." I didn't have the heart to tell him that when the cows were done, and people sang, THEN the program would begin! I tucked him into bed and thanked him.

#2. Several months ago, I went to a magazine shop for a copy of HAM radio magazine that had an article on SWL. I asked the clerk if he had a copy. He looked at me and asked if I was a HAM. I smiled and said maybe someday, but now I was interested in short wave radio. With that, a little old lady spins around, spouting about a communist spy and short wave radio, etc. It was only my DAR membership card that saved me from her umbrella. I think we need better press!

I get a kick out of your computer rambles. We have a TRS Color Computer 3 (525K) that we use mostly for business, but we have a lot of fun with it, too. I was wondering if you were on CompuServe. If you are, I (and fellow compu-freaks) could send letters by "E-MAIL." If you are, and ever wish to contact me, our user number is #76456, 17.

The invitation is still open for any stories that you might have that show some evidence of a lighter side to SWL -- Cathy has made a fine start. No, I'm not on CompuServe yet

(Santa Clause was not so generous as to provide me with a modem -- in spite of numerous and, I must confess, any number of rather heavy-handed hints) but hopefully by the Spring. . . I wonder if my being on CompuServe would increase the ease or attractiveness of access to CONTACT? Any comments? (This is beginning to sound like a computer column - and I really don't mean it to: we've already got one, and a very good one at that.)

News of an interesting source of information comes from *Mike Magick* (Glendale, Arizona):

Enclosed is an offer almost too good to be believed. The Embassy of India publishes a weekly newspaper called *India News*. An annual subscription is only \$5.00!

I find that most SWLers are interested in international affairs, and *India News* is a real bargain. Perhaps you can share this info in the CONTACT section of FRENDEX. [...] It would be nice to know if other NASWA members know of other such bargains from other embassies, or where ever.

If this sounds intriguing to you, then just write to: The Information Service, Embassy of India, 2107 Massachusetts Ave., N.W. Washington, D.C. 20008; telephone (202) 939-7048. Are there, indeed, any other such offers known to NASWAers?

I am not quite sure what to make of the following letter (actually, letter within a letter) which comes from *Roland Schulze* (Stuttgart, West Germany). His letter is in the form of a carbon copy, with my name and address typed afresh at the top of the first page. Obviously, this letter has been circulated more or less widely, and you may very possibly see it elsewhere:

I wish to share with you an experience which will serve as an alarm to other shortwave listeners and DXers. For almost 13 years of shortwave listening, receiving a QSL for my reception reports has always been fun and a thrill. But this time the QSLs and letters I received from some stations were rather a shock and a nuisance. I couldn't help but think that something 'fishy' was going on in some radio stations when it comes to QSL.

I have just received a very strange and alarming letter from Radio Uganda, a station alleged not to answer any reception reports of their home service in the tropical bands. I heard this station last October 7, 1986 at [Roland leaves a space here for the frequency which he does not supply; I note, however, that in December FRENDEX Log Report B, he reports hearing Uganda on 4976khz {listed in RDI and ILG as a domestic service} -- sgm] khz and sent them a report with a personal letter, postcard, and one U.S. dollar for postage and enclosures. This was my very first time to insert a dollar in a letter. It is because an IRC is more expensive than the dollar here in West Germany; that is, one IRC costs DM2.20 and one dollar U.S. costs only DM1.98.

To my surprise came this handwritten two-page letter from the above mentioned station signed by Leopold B. Lubega with a photo of himself and his wife. His letter which is self-explanatory reads as follows [Roland has transcribed the letter into typescript, and has also enclosed a photocopy of the original -- sgm]:

Dear sir,

Your reception report dated 7 October 1986 was received here. I was very happy to learn that as a shortwave listener you got so interested in our station, it is also surprising that our Home Service could reach you so far away from us.

According to our station logging of that date, I would like to confirm to you that you listened to our station, Radio Uganda. This is a 10KW transmitter NEC make just installed. It uses a vertical incidence log-periodic antenna omnidirectional. This is achieved by arranging two similar antennæ in quadrature. It is made by TCI of America. This transmission is intended for Home Service, but we are encouraged that we can reach you.

Uganda is a small country as large as U.K. with a population of about 13 million people. This country popularly known as the source of the Pearl of Africa is the source of River Nile and has the second largest fresh water lake in the world, Lake Victoria. The capitol is Kampala.

About myself. I am aged 44 years married with six children, I have many hobbies but the first is travelling. My problem is always finance. Most of my travels abroad are sponsored by Government on official duties. I have not visited many countries and I have not been to Germany but I hope one day I will.

Our country has gone through three terrible civil wars as you have heard, I believe. In September last year I had a chance to go to Japan for one month on official duties. During that period I saved money and bought a reconditioned car

at about \$1500 U.S. Dollars. This was the family dream coming true; they were very happy. Unfortunately the car was destroyed during the last year so we remained a miserable family again. Here in Uganda it is very difficult for a civil servant to buy a car -- we are very poor.

When I read your letter I got the impression that you are a kind man and have enough money to sacrifice and assist a black family somewhere in Africa -- Uganda. I and my wife have been thinking of a kind person through whom our dreams can come through like Mr. Roland Schulze to fund raise at least \$1500 U.S. Dollars and send it to:

MITOSHI MIYAZAKI  
Machinery Trade  
E-3 Amenity · 35,1-12-22  
Saïdo Konan-ky  
Yokohama 233 Japan

to acknowledge receipt of that  
money to us at the address below:

P.O. Box 8226  
Kampala

This man can send me another car F.O.B. I will try to raise shipping charges. Please let your friends have this appeal to fundraise for the same cause. I can tell you a car is very important in Uganda as we have no public buses or trains as in your country. One day I pray when you visit Uganda you will see for yourself. I intend to send you a full picture of my family of four daughters and two boys: Josephine, Cathy, Olivia, Sylvia, Daniel and William.

Here in Uganda we hear that the kindest people who give the biggest assistance are Germans from West because you are hard-working and kind people. Please under any circumstances never send money to Uganda by Post -- it gets lost. I prefer that in any future correspondence you use my personal address of: P.O. Box 8226, Kampala.

Enclosed are photographs of myself and my wife. Sorry for inconveniencing you. We look forward to hear a happy answer from you and your family.

I remain  
(Sgd.) Lubega

This letter is absurd! I really don't know whether to laugh or be angry to the v/s but I feel sad about it for this person doesn't know that he is destroying the image of his station.

What can you say about it? Has anyone received the same letter too? If so, then it will be fine if you share them for the benefit of us DXers so that we can find ways how to beat the v/s's 'tricks' and get a QSL.

Please print entirely my letter in the section of your club's magazine you think it is most appropriate. I can only say, watch out, v/s might put you into trouble.

I, for one, was absolutely and completely charmed by this whimsical and thoroughly amusing letter (the above is an exact transcription of the original): anger, in this instance, would be completely out of place. While not for a moment doubting the sincerity of Mr. Lubega's intentions, and realizing that he certainly did not intend to invoke humor (quite the reverse), there is a great deal of humor to be derived from an appreciation of how we must appear to a large part of the world. Does anyone else have a similar experience to tell us about? Indeed, has Mr. Lubega contacted anyone else about his problem. Above all, who is MITOSHI MIYAZAKI?

Finally, a nice letter from Log Report Distributing Editor *John Henault* (Abington, Massachusetts). He enclosed a letter from "SANI RADIO" which acknowledges a reception report from *Harold Levison*. Writes John: "I especially liked the writer's comments about station personnel using the transmitter for 'personal use' after regular transmission hours end." Here then is the letter, which gives some interesting insights into SW broadcasting:

Our frequency is 4755kHz, as licensed with the government of Honduras at geographical coordinates of 15 degrees and 16 minutes north and 83 degrees 46 minutes west in the town of Puerto Lempira, Gracias a Dios. Our call letters are HRR1 and we are called "SANI RADIO" (which some listeners have confused as "Family Radio"). Our administrative and operations center is in the coastal town of La Ceiba, Honduras.

Faerto Lempira, with a population of some 2,000 and, La Ceiba, with a population of around 60,000 are the departmental capitals of Gracias a Dios and Atlántida.

The name Sani comes from a Miskito Indian word for the "majao" vine which is native to the area and is an important source of string. Many years ago, the children of the area invented a game to imitate the missionary radio services whereby they made their own "radios" by connecting two dried coconut halves with a stretched piece of sani string. These were the first "sani radios" and since then the phrase has evolved into a slang expression for oral transmission of information like the English expression of "through the grapevine."

Our purpose is to provide bilingual (Spanish/Miskito) educational and public service broadcasts to the Miskito Indian population of the area. [¶] Our transmitter is a Sintronic SI-A-10 with 10kW of power and we use a simple 30 meter long dipole antenna at a height of 15 meters which is probably around 20 meters above sea level.

Presently, we are financed by funds from the United States Agency for International Development. [¶] The International Rescue Committee was founded in 1933 during the rise of fascism in Germany. Since then, the IRC has been dedicated to assisting refugee and needy populations through educational and health programs around the world.

The grand opening of "Sani Radio" was on August 25, 1986 which went over very well, was broadcast live, and attended by more than 200 local persons, as well as guests from the Honduran Ministry of Education, Ministry of the Interior, and the United States AID mission.

Over the next year we hope to commercialize the station to some extent in order to cover basic operational costs as well as possibly to enter into a cooperative agreement for national educational broadcasting and will seek funding from private and public sectors both nationally and internationally. We are expressly prohibited from transmitting partisan political or religious programs. [¶] Our programming will be in Spanish, Miskito, and Sumo languages and initially will cover cultural, informative, and entertainment programs which will evolve rapidly to include extensive bilingual primary and adult education programs. The target audience for the educational programs will primarily be from refugee settlements incorporating some 40 village study centers in remote areas each being supplied with a radio, battery, solar panel, nails, blackboard, and student supplies.

We presently have a large staff of some 30 persons including educational script writers, producers, announcers, studio operators, and administrative personnel. [¶] Occasionally we have English transmissions in the evenings after normal sign-off which gives myself and technical staff as well as friends the chance to enjoy radio broadcasting and tell about our project. [¶] Our hours of transmission in indigenous languages will be from 0600 to 1000, and 1600 to 2000 *local Honduran time*. Every Thursday evening from 1800 to 1900 we read international letters over the air. To date we have received letters from New Zealand, USA, Norway, England, Wales, Scotland, Hungary, Panama, Australia, Spain, France, Holland, India, Japan, Italy, El Salvador, and Luxemburg. --- Thank you once again [signed], Edward A. Pfister, Program Manager for Operations, International Rescue Committee

## Contact Notes

*Just enough room left to wish everyone a happy and healthy New Year, & to thank all of you who have taken the time to write. 73--*

I received a nice note from *Jerry Dexter*. He requests that I clarify one or two points about the books he has published: "Thanks for your kind mention of *Secrets of Successful QSLing* and *Language Lab* in your December column. Just to clarify -- *Secrets* is \$9.95 plus \$1 shipping (\$2 foreign) -- *Language Lab* is \$12.95 + \$1 shipping (\$2 foreign) -- U.S. funds. The French edition of *Language Lab* is now available and both the French and Spanish editions may be obtained at a combo price of \$23 plus \$2 s/h (\$4 foreign) from dealers or Tiare, P.O.Box 493, Lake Geneva, Wisconsin 53147"



# Easy Listening

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

## SUNDAY

- 1630-1640v: "P.O. Box 9516" (Radio France International). This is a regular feature of the Sunday edition of "Paris Calling Africa". It is a typical mailbag program with man and woman co-hosts reading letters from listeners in Africa, North and South America, and Asia. The length of the program varies from week to week and on the longer editions they answer listeners' questions. (11.705/15.315)
- 0025-0035: "Calling DX-ers" (Spanish Foreign Radio). A good but not outstanding DX program featuring news items of interest to hams and DX-ers--such as the newly proposed television cable system in France or satellite communications--ending up with a few brief DX tips taken from Spanish or other European DX publications (9.630/6.125. Repeated at 0125 and 0525 on the same frequencies).

## MONDAY

- 1240-1255: "Innovations" (Radio Australia). This program features the invention, development and marketing of new scientific innovations of Australian origin--including a satellite mapping system, a rock crusher used in gold mining and a portable work bench for the home hobbyist. Features interviews with the inventors. (9.580/6.060)
- 0045-0100: "This is America" (VOA). A fifteen minute look at some topic of relevance to life in America. Past programs have featured the opera in the United States, advertising, and special programs featuring the customs and traditions of Thanksgiving and Christmas. This program is in Special English. (9.650/5.995. Not on 9.455 or 6.135 which carry "Music USA: Standards" at this time).

## TUESDAY

- 1145-1200: "Asia Now" (Radio Japan). The program is divided into two parts, the first part being brief news items from the Asian region, and the second being a single feature story relative to Asia, such as the 6th Party Congress in Hanoi or Japanese effort to help underdeveloped Asian nations. Other areas of Asia than Japan figure prominently in the special feature segment (6.120).
- 2215-2230: "Kaleidoscope" (Radio Berlin International). A potpourri of features about Germany (East) including interviews with German trade union members who are undergoing retraining, art exhibits, and German film festivals. Usually three or four segments per program, the content of which is widely varied. (6.125. Repeated at 2225 on the same frequency).

### WEDNESDAY

1130-1135: "Martha in Beijing" (Radio Beijing). A trip around the People's Republic of China through the eyes of an American correspondent featuring Chinese medicine, traditional and modern, and other topics of interest. (9.535/ Repeated at 1230 on 9.535/11.650 and at 0030 on 15.445)

1805-1830: "Pop Scene" (Radio Kuwait). A man and woman host introduce in chatty, informal style the pop hits of England and America,

### WEDNESDAY (continued)

largely rock oriented, but also playing some C & W and other pops, including soul and reggae (11.675).

### THURSDAY

1120-1130: "China in Construction" (Radio Beijing). A program featuring the economic reforms now under way in China and the industrial and financial development that have resulted from the reforms instituted by D'eng and the new Chinese Communist Party. The emphasis is on the new China being built from the old. (9.535. Repeated at 1220 on 9.535/11.650 and at 0020 on 15.445).

0145-0150: "DX Microphone" (Radio Prague). A technically oriented DX program featuring a weekly talk on some technical subject related to DX-ing, such as propagation, aerials, or receivers. No DX tips. (5.930/7.345/9.740/11.990).

### FRIDAY

0010-0030: "Top Priority" (Radio Moscow). This is a panel discussion show featuring an announcer and two regular weekly guests from Institute for North American Studies. Topics in the past have included Star Wars, the American decision to violate the SALT II agreement, and the implications of the November congressional elections in the United States. (7.115/7.310/5.915: Repeated at 0210 on the same frequencies).

0230-0245: "Chinese Old Songs" (Voice of Free China). This program features Chinese songs from the 30's, 40's, and 50's, some programs concentrating on a single songwriter or a singer, others including a mixed bag of singers and songwriters. Some of the music is quite melodious even if the lyrics are in Chinese, those these are sometimes translated by the program host, Lili Lil (5.985. Repeated at 0730 and 0330 on Saturday on the same frequency).

### SATURDAY

1240-1255: "Focus"(Radio Austria). This program varies from week to week, some programs being devoted to music (largely classical) while others are devoted to political or social topics, such as the recent Austrian elections or a vacation spot in the Tyrol (15.320).

1300-1330: "Compass North" (Radio Finland International). This program is divided into two parts, the first five or ten minutes of the program devoted to current international or Nordic news, the second twenty minutes or so devoted to the biggest stories of the week in Finland. (11.945/15.400. Repeated at 1400 on the same frequency. Also broadcast earlier at 1200 on 11.945/15.400)



# Soundwaves

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

## SoundWaves

Editor: Paul Lannuier 25 MacArthur Ave. Closter NJ 07624

Greetings. Since my last column in August, I've been relatively inactive as far as monitoring goes, except for my daily dose of BBC news. So I haven't noticed too much on the bands that's new and/or unusual.

**South Africa:** New, but not too unusual, is the South African Broadcasting Corporation's **Radio 5** service, on a new frequency of 4880 kHz from 0400 UTC. I've also heard it at around 2130 UTC. It was noted by Al Quagheri in Glenn Hauser's **Listener's Notebook** (October) that the former frequency, 3250 kHz, has been dropped. I assume Radio 5 is still on 7170 kHz from 0520 UTC, but I haven't heard it there. Anyway, Radio 5 is definitely a departure from what one usually hears on the rather stuffy Radio RSA external service. The programming is targeted at teenagers and young adults, and consists mainly of music. It is broadcast on 8 medium wave stations throughout South Africa and relayed on shortwave. Besides the music, which is mostly pop, I love the commercials. Cigarette advertisements are not prohibited in broadcasting in South Africa, and commercials are common for brands such as 'Paul Reverse' cigarettes. You can also hear local merchant advertisements, ("Early Bird TV Repair" and such), as well commercials in local languages.

While we're down on 60 meters, I should note that **Radio RBA's** 4990 kHz transmission at 0300 UTC has been audible here, but not nearly as well as on the higher bands so I've yet to recommend this frequency to anyone. Also, 4835 kHz has supposedly been dropped. This frequency was for the SABC National Service, **Springbok Radio**. This station was my first QSL for 60 meters, as well as for the African continent, so its being dropped strikes a nostalgic chord for me. I wonder if anyone has heard the service on its higher frequencies, 9695 & 11790 kHz.

**HCJB: Saludos Amigos**, HCJB's "program of international friendship" will re-broadcast its ANARC special recorded live last July at the ANARC convention in Montreal. Host Ken MacHarg was joined by HCJB personality John Beck in interviewing various guests, including Arthur Cushen, Ian McFarland, WRTH editor Jens Frost, and a number of others attending the convention. The re-broadcast can be heard on Sunday, February 1 1987 (0800 UTC on 11925, 9745, and 6130 kHz; and 1900 UTC on 17790, 15270, and 11740 kHz); and on Wednesday February 4, 1987 (0200 UTC on 9870 and 6230 kHz; and 0630 UTC on 9870, 6230, and 11910 kHz). **Saludos Amigos** can be heard each week on these same days and times. Usual programming consists of inspirational music, letters, and various features and topics. The address for the show is: **Saludos Amigos, HCJB, Box 1345, Jeffersonville, Indiana 47131.**

**BBC:** The World Service's Popular Music Organizer Dave Tate has recently begun a new series called **Multitrack**. This show has been in the works since early 1986, and features three different editions every week, each with a different host. **Multitrack 1** is hosted by Richard Allinson. It airs on Mondays at 1830 and 2330 UTC, and on Tuesdays at 1215 UTC. Richard's show specializes in new releases, studio guests, music news, and competitions and quizzes. **Multitrack 2**, on Wednesdays at 1830 and 2330 UTC, and Thursdays at 1215 UTC, features Paul Burnett of the BBC's Top 20 program. This edition goes a bit further, covering the British Top 40 chart. The final edition called, of course, **Multitrack 3** is devoted to "interviews with Britain's newest young bands, a look at pop films and books, a word about fashions in music and style." The host of this edition is Sarah Ward, otherwise known for her show, **Sarah and Company**.

According to **London Calling**, the aim of the show is to "streamline the World Service's popular music programming and, it is hoped, nicely compliment the zany antics of Dave Lee Travis and *A Jolly Good Show: Rock Salad* hosted by the irrepressible Tommy Vance; Ton Myatt and Sandi Jones and their Sunday request shows; not to mention *Counterpoint* with former Manfred Mann star Paul Jones and Bob Holness with *Anything Goes*." I think this is a really good concept. From what I've heard of the show so far, I think it will go on to become one of the more popular pop-music programs offered by the BBC.

**Publications:** The 1987 edition of **Radio Database International** arrived a while back. I'd have to say it's quite a bit better than the last 2 editions. Its helpful now that all the stations and frequencies (from Indonesia on 2260 kHz, to Belgium on 21810 kHz) can be found under one cover instead of in separate volumes for tropical and domestic bands. This book is becoming more and more competitive the **World Radio TV Handbook** with each edition, and may even be considered better suited to the ardent DX chaser since its listings are the result of actual monitoring of the bands and include clandestine stations and jammers not found in the WRTH. The book is available from its publishers, International Broadcast Services, Ltd. (Box 300, Penns Park, PA 18943), as well as from a number of other outlets.

Another publication recently acquired is Dan Ferguson's **Guide to English Shortwave Broadcasts**. It is a data base listing of, you guessed it, English language shortwave broadcasts. It has four sections:

1. All broadcasts, by time (including target areas).
2. All broadcasts, by country (including target areas).
3. Broadcasts to North America only, by time.
4. Broadcasts to North America only, by country.

The format is similar to that used by Tom Sundstrom in **FRENDX**, with start & end times, country and station name, target area, and frequencies, plus short notes on additional languages and day-of-week. I'm not sure if this is the first issue (August 1986), but I've not seen it before. It's pretty comprehensive and accurate, and about the same size as the **FRENDX** bulletin in your hands right now. Subscription rate is \$15.00 for 6 issues (single copies available for \$3.50, postpaid from Dan Ferguson, P.O. Box 44866, Washington, D.C. 20026. (Check and money orders should be payable to Dan.)

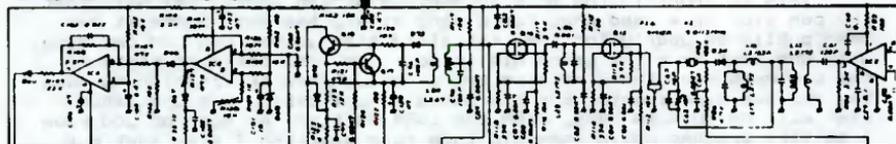
♪♪ **other notes:** I would like to mention that I may not be reached by electric mail (E-mail) via Source Telecomputing, anyone out there subscribes to The Source, please feel free to contact me through the SourceMail service. My ID is BEQ269. And while we're on the subject of telecomputing, can anyone tell me why, every time I try to access the WRTH BBS at the number listed in Computer Corner as well as other publications, I reach not the BBS but an answering machine for some advertising agency? Hmmm....

Finally, I'm just delirious with joy: Santa Claus came a bit early this year and dropped an FRG 8800 down my chimney. It's a wonder that I pulled myself away from it long enough to write this column. Since it won't be published until '87, I wish everyone a belated holiday greetings.

So there you have it. I'll be back soon, if I can manage to dig myself out of the piles of contributions I've been getting. (Pun most certainly intended.) So until next time, '73's,

Paul

# Technical Topics



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

## HOW DOES HE DO IT? or DEADLY DECEMBER DX DEADLINE!

Deftly our humble editor drops a Talking Heads disc in the CD player and dons his headphones.

There is that repeating phrase coming through the headset.  
YOU MIGHT ASK YOURSELF... YOU MIGHT ASK YOURSELF...

YOU MIGHT ASK YOURSELF... How is your humble editor able to bring you all this technical wonderfulness armed with a BA in Sociology and a Master of Divinity as opposed to a BSEE or even a certificate from Lincoln Tech?

The answer is simple buckaroo. All that book learnin' in the humanities taught me that knowledge is power. So when I set my sights on becoming an SWL legend I simply went out and bought a large dose of knowledge. And here's the kicker... You can do it too! A trip or two to the bookshelf and you will be able to venture into the wonderful world inside your radio. The neat thing about technical topics (is there an echo in here?) is that technical material can usually be presented in a logical manner that lends itself to easy discovery by the uninitiated. In other words, it's a whole lot easier to learn transistor theory than to figure out how many angels dance on the head of a pin. Technical stuff becomes all the easier when you discover you don't really need ALL the stuff an Electrical Engineer learns, only a few select chapters and your on the ball. You won't be designing your own receivers, but you will be able to diagnose most troubles and even fix some things yourself.

In other words, this looks like a perfect lead in for... (You guessed it)

## UNCLE SKIP'S GUIDE TO ELECTRONIC KNOWLEDGE or BOOKS YOU CAN USE

### ELECTRONIC COMMUNICATION

By Robert L. Shrader

If you can only afford one book in your radio library this is the one to have. Shrader's work has long been acknowledged as the best single text to have to lead to an understanding of radio. I know several folks who used this book alone to master the knowledge necessary to acquire the good old FCC First Class Radiotelephone license. Just pick it up and start on page one and by the end (with the help of the little quizzes spaced throughout the book) you will have enough information to pass most amateur exams and skunk all but professional engineers on radio theory. Also, the book's table of contents is set up in a manner that makes it easy to look up individual subjects as needed. Shrader's is the standard by which all others are judged. I have the fourth edition which suits me just fine but if Bob is out there reading this I think the well deserved plug is worth a copy of his latest edition don't you think? Published by McGraw Hill's Gregg Division ISBN 0-07-057150-3

### RADIO HANDBOOK

By William I. Orr, W6SAI

As the call sign might indicate, Bill Orr is one of us and his Radio Handbook is in its twenty-third edition. Bill is best known for his antenna theory but this book is a great source of overall knowledge geared toward the amateur and the experimenter. Chapter 13 even includes construction information on a High performance communications receiver. If you want state of the art information useful in modifying your equipment or for some serious antenna work, you must have Bill Orr's book handy. Published by Howard W. Sams & Co., a division of Macmillan, Inc. ISBN 0-672-22424-0

## THE ARRL HANDBOOK FOR THE RADIO AMATEUR

By The American Radio Relay League

This is probably the most accessible of the useful texts in that you can pick up a used copy for a song at any hamfest. Since it has been published yearly for the last sixtythree years, you can get away with one that is a few years old if your not into the most state of the art hardware. Every edition brings enough new information to make the serious experimenter put his money on the table, but the casual user will be just as happy with the 1984 edition. As most of you know I am very wrapped up in some old tube type gear and I even seek out positively antique copies of the handbook. I would be lost without my 1960 edition of The Handbook. So maybe a good policy would be to check out the year your rig was made and seek that edition of the handbook. Published by the American Radio Relay League ISBN 0-87259-062-3

## THE COMPLETE HANDBOOK OF RADIO RECEIVERS & TRANSMITTERS

By Joseph J. Carr

If you want to understand your rig and do real troubleshooting and repair you must add this book to your collection. Originally published in two volumes, it is now available bound in a single edition. It covers all areas of radio theory, taking the reader through the guts of some of the most popular equipment in use today. This book will show you the actual mechanics of using test gear and technique to bring your tired and broken gear into shape. Carr makes some very sticky subjects understandable to the rank novice. Published by IAB Books Inc. ISBN 0-8306-8224-4.

If you run out to your local book dealer and force him to dig through Books In Print and order all these titles, and if you really give them a good read, you will find yourself able to attack all manner of radio difficulties. In using these books it helps to remember that old engineering axiom that a large problem is often best solved by breaking it down into its component smaller problems. Good turn of a phrase because, very often, "components" are the problem in electronics. So you really need to acquire at least one more book.

## SEMICONDUCTOR REPLACEMENT GUIDE

By Radio Shack

Every now and then a part will go PHHFFFFIIIIII!!! When this happens, Murphy's Law always indicates that the original replacement is only available from a camel trader in Swaziland. Enter the Semiconductor Replacement Guide. Actually you can use anybody's guide but Radio Shack's is the easiest to get your hands on. After you have used the guide a few times you will discover you can cross reference not just for RS parts but most any semiconductor you will need. Also if you are interested in tube gear you will need to scour the hamfests for an old Tube Substitution Guide for the same reasons. Radio Shack Catalog #276-4009

Another good source of cheap data is to send for all those free catalogs in the back of radio magazines. By glancing over component catalogs, you will get a feel for what is available and how to go about getting the parts you need with the best speed and service. Not such a bad idea when your Humpler 4NKB receiver goes dim in the middle of a dead of winter DX session.

One final point...

If you have not written the manufacturer of your receiver to obtain the factory repair manual you are a very silly person. Even if you never intend to lift the covers of your rig yourself you will find this to be a useful document to have around when repair and alignment does become necessary. If you do intend to repair or modify your equipment you will find such documents invaluable. If your gear is older and out of production you can obtain schematics and service data through Howard W. Sams PHOTOFACTS system. Ask your local TV repair supplier about how to get Photofacts.

Well there you have it folks. Armed with this knowledge you will rival even the great Baba Ram Grid Bias in radio information.

We have been running a little short on receiver reviews folks so lets get writing out there. Keep those cards and letters coming folks.

Good Night Elsa Lanchester  
Where ever you are!

73,

# Computer Corner

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

Welcome to 1987! To get the year started, our first contribution comes from someone other than the former editor of Computer Corner, Bill Cole. So, without further delay, here is;

## The ANARC BBS

A Brief History by Bill Cole

The origins of the ANARC BBS can be traced to December 1984. Bill Krause of the ANARC Computer Information Committee and I had several conversations about the value of a BBS for making DX information available on a timely basis. We decided to try to put a shortwave BBS on-line and over the next few months we tried to find some software that would meet our needs.

By May of 1985 we hadn't found any software that we liked. It was at that point I decided that the only way to have the BBS we wanted was to write it myself. Fortunately, Bill had collected a couple of disks full of public domain telecommunications software. One of the programs, The CHIPS BBS, held promise. After a thorough rewrite, which reduced the program size by 15% but retained all features, something called the FRENEX BBS emerged in early July 1985. Bill and I decided that we were far enough along to exhibit the BBS at ANARCON 85. As can be deduced from the name, the features of the board loosely followed FRENEX with Log Reports A-D, Technical Topics, QSL Reports, and Computer Corner message bases. The exhibit was a success, however, the software was far from perfect. We spent the first hour of the exhibit working out a bug discovered at the last minute.

Encouraged by the enthusiasm generated, especially by George Wood of Radio Sweden International, Bill set September 1, 1985 as the target on-line date for a BBS sponsored by the ANARC Computer Information Committee. The board was to be named The ANARC Shortwave BBS and would use the, hopefully, debugged FRENEX BBS software. The original BBS did not facilitate the Up or Downloading of text or program files. We decided, mistakenly as it turned out, that these features were necessary for the success of the board. I spent most of my free time in the month of August adding and trying to debug an Up/Download feature.

Within a week of the target date, Bill Krause had the BBS on-line. The original board was operated using a Commodore 64, 1702 Monitor, Commodore 1650 Modem, C-Itoh printer and two Commodore 1541 drives for about 340k of storage. Unfortunately, there were still a few hidden 'bugs' in the program. Our friend, George Wood, developed an uncanny knack of finding them. Every time poor George called from Sweden, the board would lock-up or crash.

By the end of November 1985, the ANARC BBS had logged a substantial number of callers. We were using a password access system and had over 50 registered users. We also had sufficient user feedback to begin to evaluate the system. Once the software bugs were worked out, the major criticism was one of speed. Most of our users called long distance and were mindful of charges. Several program modifications brought speed increases. We decided that we could save further time by doing away with passwords and becoming an open board. This was a good decision. With only one exception, there has not been any trouble with giving all callers full immediate access to the board.

Two other areas needing modification were discovered. For some unknown reason, most users were more interested in reading from the board than in posting messages on the board. The other being that only one user had downloaded from the library and no one had uploaded to the library. To correct the first, we arranged to carry Radio Nederland's Programme News and RCI's Program Previews. Later, RSI's Sweden Calling DXers was added and these features were incorporated into the International Forum. These were an immediate success drawing much user attention. We took a long hard look at the Up/Download feature since it utilized one whole disk drive and received no use. The decision was made that it must go and in its place the North American Database was created.

The last major change to the board came in February and March of 1986. By that time it had outgrown the 340k of storage available in two 1541 drives. The system was upgraded to a Commodore 128 with two 1571 drives each containing 340k thereby doubling the capacity of the system. The faster speed of the 128 with its enhanced basic also led to a major program rewrite.

At this time, the ANARC BBS operates in the 300/300 baud, 8 bit, no parity, full duplex protocol. The ANARC BBS is an open board; a user does NOT need a password to get on-line and everyone has full access to the board. Since it went on-line the BBS has logged over 1300 callers. Use has gradually built up and over 150 calls per month are now being taken.

As regular features of the International Forum, the ANARC BBS carries Radio Nederland's monthly bulletin, Programme News; Radio Canada International's Program Previews and the electronic version of Radio Sweden International's, Sweden Calling DXers. The European DX Council's (EDXC) bulletin is also featured. We have recently made an inquiry to HCJB about the availability of advanced program information.

For our users, the system has available 12 public Bulletin Boards as well as private E-Mail. Public Bulletin Boards include:

1. Mail Box, the main message center.
2. Help-Me, for DXers with questions and problems.
3. Data-Update, for posting corrections & additions to the database.
4. Log Report A, for loggings & DX tips, 2000-4899 kHz.
5. Log Report B, for loggings & DX tips, 4900-6199 kHz.
6. Log Report C, for loggings & DX tips, 6200-11699 kHz.
7. Log Report D, for loggings & DX tips, 11700 and above.
8. QSL Reports, latest QSL information.
9. Computer Corner, latest computer info. and tips.
10. Technical Topics, receiver reviews & other tech-info.
11. Buy & Sell, all the GOOD BUYS.
12. Club News, users may post their radio club's news.

The ANARC BBS has features not found in all radio specialty bulletin boards. The first is the NORTH AMERICAN DATABASE which contains schedules for stations broadcasting to North America in English. Information contained in the database includes: station name & location, times on the air, frequencies, target areas and days heard. The North American Database is compiled from Dan Ferguson's GUIDE TO ENGLISH SHORTWAVE BROADCASTS. Dan will shortly be supporting the BBS with interim updates to increase the database accuracy.

The second feature, which is unique to the ANARC BBS, is the ability to make propagation predictions for any station in the database. Users have access to routines that give: solar flux & sunspot numbers, A & Boulder K indices, solar & geomagnetic activity, station distance & bearing, sunrise & sunset times for the user's & station's locations as well as the times of darkness path to the station. In addition, the user can access a routine to predict the LUF, MUF & HPF for the 24 hour period.

The ANARC BBS is online 24 hours per day at 1-217-368-3124. We welcome user feedback so that we can continue to improve the service. Users can leave their feedback on the FEEDBACK section of the BBS or by writing to us at: Bill Ktause, ANARC SW BBS; 401 E. Walnut; Greenfield, IL 62044.

For all you Commodore users, a new program has become available from Ronald Pokatiloff. The program, SHORTWAVE PROGRAMS DATABASE, provides the computerized SWL with a prime time guide to over 2500 daily programs covering 20 subjects. Your editor has not had the opportunity to evaluate the program, but as soon as I get my hands on it, I will provide you with a detailed review. Further info can be obtained from Ron at 2661 Sheridan Road, Zion, Illinois 60099, or call at (312) 872-3633 after 0200 UTC.

LAST MINUTE NEWS DEPT!

The ANARC BBS has added two new features: HCJB ENGLISH SERVICE NEWS, and a CUMULATIVE file of indices from WWV. This cumulative file will provide data to make propagation predictions.

ANARC BBS is online 24 hrs at (217) 368-3124, 300 baud, 8-N-1. No password is needed.

WHEW! Had alot of material this month, and no more room. Well, next month will feature word processors, and how they can be used by the SWL. So get out the pad and start taking notes! Also, please feel free to contact me with information, articles and/or comments. This is YOUR column, and we need all the input we can get from you folks. Happy Computing!

REAL LAST MINUTE DEPT.

For those who were listening, the flight of the VOYAGER aircraft was fascinating. The main freqs used were 8822 & 6550, both USB. My thanks to my good friend, John Heinault for the info. Now, who do I write for the QSL??

THOSE BBS NUMBERS AGAIN:

ACE BBS	(913) 677-1288	NEVERBOARD	(412) 733-4842
ANARC BBS	(217) 368-3124	ODDX BBS	(804) 596-2710
BOARDS GALORE	(416) 598-1934	UBIX BBS	(614) 866-4392
DX LOGBOOK	(816) 228-2882		

Well, the end of another month is here. Hope to hear from you soon! Any questions or comments can be sent to me at P.O. Box 9645, Norfolk, VA 23505-0645, or by calling me at (804) 497-5151, but PLEASE, not later than 0300 UTC!

Until next month, 73!

*Jon*

# NASWA Awards Program

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

Greetings and welcome to the January 1987 Awards Page. The following folks earned NASWA Awards during the month of November 1986:

John M. KAPINOS, Shrewsbury, MA (who): North American Continental DXpert

Ken KASHIWABARA, Panorama City, CA: South American Continental DXer

Kevin MIKELL, Park Ridge, IL: Master Pacifica DXer, Australian DXer, Senior Radio Moscow DXer

Roland SCHULZE, Stuttgart, FRG: Senior DX Centurian with 180 country endorsement, Senior Tropical Band DXer, Master Papua New Guinea DXer

Bob STURGEON, Richmond, BC: European Continental DXer, Ecclesiastic DXer, Australian DXer

Shawn SYLVESTER, Great Falls, MT: World Wide DXer, Ecclesiastic DXer

Dave TWIGGS, Bristol, CT: North American Continental DXer

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

Muriel (Mrs. Kap) and I wish to thank those kind folks who took the time to send us Seasons Greetings. Greatly appreciated. Hopefully Santa brought us all at least an NRD-525.

A correction to our Privacy in Communications Act piece last month, it seems that it just might be OK to listen to the radio portion of cordless phones, but not cellular phones. I'm as confused about all of this as must be the folks who drafted the amendments to the original Act. Kindly don't tell the Radio Police that I just got a Regency MX-4000 scanner.

A word to the wise, computer wise, don't go out and spend \$500.00 for one of the "Big Name" Word Processors. The "Public Domain" programs work just as well for 5% (or less) of the cost.

Our colleagues at SPEEDX have finally seen the light and now offer their Awards Program to non-members. An SASE and an extra stamp or two will get you full details. The QTH is 7738 East Hampton Street, Tucson, AZ 85715. Tell them that Kap sent you. Folks might remember my tenure as SPEEDX QSL Editor, which had to end due to some rather complicated personal and professional considerations.

No, VOA does not have a SWBC site on Antigua, and since it does not exist it is not eligible for the Awards.

Finally a comprehensive listing of those countries eligible for the British Commonwealth Awards will be available soon. We will have it ready for inclusion in the February Awards Page. A hint, it will be based on the Scotts Postage Stamp Catalogue, thanks to a tip from a reader, whose name I unfortunately misplaced.

The 1987 World Radio and TV Handbook will be available from several sources by the time you read this. I cannot emphasize enough how valuable this annual publication is. Every now and then we get a note from someone stating that \$20 is a lot of \$\$\$ to spend on a book. Balderdash, just consider how much your receiver cost you. As mentioned in previous columns, don't forget the software after you buy the hardware.

Effective immediately there will be a couple of minor changes to the Awards Program. All Awards will cost \$25.00 US, or 100 IRC. No, no, no, I'm just kidding.

Actually, we do have some enhancements. Several "Old Timers" have requested that their pre 1945 QSLs be counted. Until now we have been handling these on a case by case basis. Now we'll make it official, any QSL, whenever dated, is eligible. The Country List will be adhered to based on the September 1, 1945 cutoff.

The other immediate enhancement will be the issuance of endorsement stickers for the Senior Ecclesiastic DXer, in multiples of 5 stations. The only cost will be an SASE/IRC.

Until

next

time,

BE STI  
KAP 12/15/86



# SPECIAL *feature*



## TRENDS LATIN AMERICAN QSL SURVEY

January 1985-December 1986 inclusive

Compiled by Bill Plum

Format followed

QSLs-Station Name(# QSLs in 1986 if any)

### ARGENTINA

- 1 - RAE/R. Nacional de Buenos Aires(8)
- 5 - R. Rivadavia
- 4 - LRA36(1)
- 2 - LOL(1)

### BOLIVIA

- 7 - R. Santa Cruz(3)
- 5 - R. Juan XXIII(3)
- 4 - R. Nueva América(1)
- 3 - R. La Cruz del Sur(1)
- 2 - R. San José, R. Panamericana
- 1 - R. Illimani(1), R. Nac. de Cochabamba, R. Abaroa, R. San Miguel, R. Cristal, R. Altiplano, R. San Rafael, R. Progreso R. El Cóndor, R. Em. Bolivia

### BRAZIL

- 1 - R. Nac. do Brasil/R. Brás(31)
- 2 - R. Cultura do Pará(10)
- 1 - R. Nacional Manaus(6)
- 9 - R. Aparecida(4), R. Anhanguera(7)
- 8 - R. Dif. do Amazonas(5)
- 5 - R. Universo(4), R. Excelsior
- 4 - R. Cl. Ribeirão Preto(2), R. Gaucha(2)
- 3 - R. Borborema(1), R. Brasil Central, R. Globo(2), R. Bandeirantes
- 2 - R. Cult. São Paulo(1), R. Ed. 3 de Julho, R. Cl. Parenaense, R. Rio Mar, R. Soc. da Bahia, R. Alvorada Paritins, R. Globo São Paulo(1), R. Copacabana(1), R. Educação Rural Campo Grande(2)
- 1 - R. Ed. de Bragança(1), R. Nac. Boa Vista(1) R. Timbira(1), R. Cacique de Soracaba, R. Cl. Varginha, R. Por um Mundo Melhor, R. Congonhas, R. Nac. da Amazônia, R. Soc. Triangulo Mineiro, R. Marajoara, R. Jornal do Comercio, R. Cult. Araraguara, Rdf. Acreana, R. Guaiba, R. Em. Rural de Santarem

### CHILE

- 5 - R. Nacional de Chile(23)
- 5 - R. Minería(3)
- 4 - R. Agricultura
- 2 - R. Santa Maria(2)
- 1 - R. Patagonia. R. Nuevo Mundo, CCV

### COLOMBIA

- 14 - R. Macarena(7)
- 10 - LV de los Centauros(10)
- 9 - R. Sutatenza(7)
- 6 - LV del Llano(2)
- 4 - Ondas del Meta(3)  
R. Super de Medellín(1)
- 3 - R. Dif. Nacional(3) LV del Guaviare
- 2 - Ondas del Orteguzaza(1), Em. LV del Orinoco, Em. Nueva Granada
- 1 - R. Cinco(1), LV de la Selva(1) Ondas del Darién, R. Sonar Ecos del Combeima

### COSTA RICA

- 12 - R. Reloj(4)
- 8 - TIFC(4)
- 6 - R. Lira Int.(6)
- 5 - R. Impacto(2)
- 4 - R. Columbia(2)
- 3 - R. Casino(2)
- 1 - R. Rumbo(1)

### CUBA

- 12 - R. Rebelde(12)

### DOMINICAN REPUBLIC

- 10 - R. Clarín(2)
- 1 - R. Discovery(1)

### ECUADOR

- 22 - R. Católica Nacional(4)
- 21 - LV del Upano(12)
- 12 - R. Zaracay(5)
- 10 - Em. Gran Colombia(3)
- 8 - HD2IOA
- 5 - R. Jesús del Gran Poder(3)  
R. Quito(2),  
R. Iris
- 4 - CRE(2), R. Dif. Paz y Bien(2),
- 3 - R. Pastaza, Esc. Radf. Pop.
- 2 - LV de los Carás(1), LV del Napo(2), R. Federación Shuar(1) R. Luz y Vida(1), R. Centinela del Sur(1), R. Tarqui, Ondas Quevedevas, LV del Rio Tarqui, Sis. de Em. Atalaya, R. Bahá'í, R. Popular
- 1 - R. Casa de la Cultura, Ondas Azuayas, Ondas Cañaris, LV de Saquisilí, R. Nac. Espejo, R. Nac. del Ecuador, R. Rio Amazonas(1)

EL SALVADOR

7 - R. Nacional(3)

GALAPAGOS ISLANDS

2 - LV de Galápagos

GUATEMALA

21 - TGNA(12)

8 - R. Maya de Barillas(6)

6 - TGMUB/Unión Radio(1)

5 - R. Tezultlan

3 - LV de Nahuala(2)

2 - R. Mam(1)

1 - R. Chortis, LV de Atitlan

HONDURAS

11 - R. Luz y Vida(4)

8 - HRVC(5)

5 - HRRRI(5)

1 - LV de Mosquitia(1), HRPC(1),

R. Lux, R. Juticalpa

MEXICO

8 - XEWW LV de la América Latina

6 - XEUJ(2)

4 - R. México Int., XEYU R. Universidad(4)

3 - XEQM(1)

2 - XEQK La hora Exacta, XEUDS R. Universidad de Sonora

1 - XEXQ R. Universidad Potosi, La U Veracruz(1)

NICARAGUA

16 - R. Zínica(5)

4 - Voice of Nicaragua(4)

PARAGUAY

10 - R. Nacional(4)

1 - Em. Paraguay

PERU

7 - R. Ancash(2), R. Atlántida(3), R. Unión(3)

6 - R. San Juan de Chota

5 - R. Bagua(1), R. San Martín(1)

4 - R. Quillabamba(1), R. América(3) R. del Pacifico(1)

3 - R. Tropical(1), R. Madre de Dios(1), LV de la Selva(1), R. Chinchaycocha(1), R. El Sol de los Andes(1), R. Pucallpa, R. Oriente, R. Chota

2 - R. Huallaga(1), R. Tacna(1), R. Pampas(2), R. Melodia(2), R. Santa Rosa(2), Estación C, R. Tawantinsuyo, R. El Sol

1 - R. Rioja(1), R. Tarma(1), R. Arequipa(1), R. Imagen(1), R. Chanchamayo, LV de Oxapampa, R. Nuevo Continente, R. Los Andes, R. Libertad de Trujillo, Ondas del Titicaca, LV de Cutervo, R. Gran Pajatén, R. Celendín, R. Nuevo Cajamarca, R. Illucan, R. Acunta, R. San Pedro, R. Moderna, R. Cuzco, R. Bambamarca

URUGUAY

4 - R. El Espectador

3 - SODRE(3)

1 - R. Monte Carlo

VENEZUELA

16 - R. Capital(9)

11 - YVTO(7)

6 - R. Rumbos(1), R. Yaracuy(6),

R. Juventud

5 - Ecos del Torbes(2), R. Táchira(3)

4 - R. Occidente(2)

3 - R. Mundial Bolívar(3), R. Frontera, R. Barquisimeto

1 - R. Nacional, R. Tricolor, LV de Carabobo, R. Turismo, R. Monagas

## Tiare Publications

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# Listeners Notebook

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**A L B A N I A** Could you run the BBCMS current R Tirana sked after their extensive cutbacks in xmsns (William Westenhaber, Montréal PQ) EG & AB appeared last month, but here's the complete sked (gh)

Due to lack of info and anmts from RT, this has been compiled solely from monitoring research, but thot to be practically complete. Target areas for some bcs have been assumed for statistical purposes. Some fqs may vary up to 5 kHz. (all are daily)

00-01 AB Am 9762 7300 6200. 00-01 PT Am 9500 7065. 01-02 PT Am 9500 7065. 01-02 SP Am 9762 7300 6200. 02-03 AB Am 9791 7300 6200. 0230-03 EG Am 9754 7065. 03-0330 RS Eu 9500 7065 6190 1395. 03-04 SP Am 7300 6200. 0330-04 EG Am 9754 7065. 04-0430 BG Eu 7090 6200 1458. 04-0430 RM Eu 9480 7065. 04-0430 Persian ME 9500 7300. 04-0430 GK Eu 7170 6125 1215. 0430-05 AR ME 7065 1458. 0430-05 EG Am 11835 9480. 0430-05 TK Eu 9500 1215. 05-0530 FR Eu 9500 7065. 05-0530 GM Eu 9375 7310 1395. 05-06 AB Eu 7090 6200 1215. 05-06 Std CH As 16230 10510. 0530-06 PL Eu 9375 7310 1395. 0530-0630 SP Eu 9500 7300. 06-0630 CZ Eu 9375 7310 7090 1395. 06-0630 FR Af 11855 9480. 06-0630 IT Eu 6200 1215. 0630-07 EG Eu 9500 7065. 0630-07 HG Eu 9375 7310 1395. 0630-07 SC Eu 7090 6200 1215. 07-08 PT Eu 9500 7300. 08-0830 EG Am 11835 9500. 10-11 PT Am 11985 9500. 11-12 SP Am 11985 9500 7300. 1130-12 EG Am 11855 9480. 1130-12 IT Eu 7090 6200 1215. 12-1230 HG Eu 9375 7310. 12-1230 IN As 11935 9600. 12-1230 IT Eu 7090 6200 1215. 1230-13 FR Eu 9480 7065. 1230-13 RS Eu 11985 9500 7300. 1230-13 SC Eu 7090 6200 1215. 13-1330 AR ME 9480 7065. 13-1330 GK Eu 7090 6200 1215. 13-1330 PL Eu 9375 7310. 13-14 Std CH As 16230 10510. 1330-14 GM Eu 11985 9375 7310. 1330-14 RM Eu 9480 7065. 14-1430 BG Eu 7090 6200 1215. 14-1430 CZ Eu 9375 7310. 14-1430 EG Am 11855 9500. 14-1430 FR Af 11855 9480. 1430-15 AR ME 9480 7065. 1430-15 GK Eu 7090 6200 1215. 1430-15 IN As 11985 9500. 1430-15 PL Eu 9375 7310. 15-1530 GM Eu 9375 7310. 15-1530 RS Eu 11985 9500 1395. 15-16 AB Eu 7090 6200 1215. 1530-16 EG Eu 11835 9480. 1530-16 CZ Eu 9375 7310 1395. 16-1630 FR Eu 9480 7065 1395. 16-1630 SC Eu 7090 1215. 16-1630 RS Eu 11985 9500 7300. 1630-17 GK Eu 11960 7090 6200 1215. 1630-17 RM Eu 9480 7065 1395. 1630-17 TK Eu 11870 9500. 17-1730 AR ME 9480 7065. 17-1730 BG Eu 7090 1215. 17-1730 GM Eu 9375 7310. 1730-18 HG Eu 9375 7310. 1730-18 Persian ME 9500 7065. 1730-18 RS Eu 9480 1395. 1730-18 SC Eu 7090 6200. 18-1830 FR Eu 9480 7065. 18-1830 IT Eu 7170 1215. 18-1830 TK Eu 9500 7300 1458. 18-19 AB Eu 7090 6170. 1830-19 EG Eu 9480 7065 1395. 1830-19 EG Eu 9480 7065 1395. 1830-19 IT Eu 9500 7300 1458. 1830-19 SD Eu 9375 7310. 19-1930 AR ME 9480 7065 1458. 19-1930 BG Eu 7090 6200. 19-1930 CZ Eu 9375 7310 1395. 19-1930 SP Eu 9500 7300. 1930-20 GK Eu 7090 6200 1215. 1930-20 PL Eu 9375 7310. 1930-20 PT Eu 9500 7300. 1930-20 RS Eu 9480 7065 1395. 20-2030 FR

Eu 9480 7065 1395. 20-2030 HG Eu 9375 7310. 20-2030 Persian ME 9500 7300.  
20-2030 IT Eu 7090 6200 1215. 2030-21 EG Am 11... 9480. 2030-21 GM Eu 9375  
7310. 2030-21 SC Eu 7090 6200 1215. 2030-2130 PT Eu 9500 1395. 21-2130 BG Eu  
7090 6200 1458. 21-2130 TK Eu 9480 7310. 2130-22 PL Eu 7310 6080 1458. 2130-  
22 RM Eu 9500 7300. 2130-22 RS Eu 9480 7065. 2130-2230 SP Eu 9430 1359. 22-  
2230 FR Eu 9480 7065 6170. 22-2230 GM Eu 7310 6080 1458. 22-2230 SC Eu 7090  
6200. 2230-23 EG Eu 9480 7065 1395. 2230-23 HG Eu 7235 1458. 2230-23 IT Eu  
7090 6200. 2230-23 SD Eu 7310 6080. 23-24 PT Eu 9500 7300 1395. 2330-24 EG Am  
9760 7065 6200.

This adds up to 448 program hours per week; lang totals are: AB 38½, AR 14,  
BG 17½, Std CH 14, CZ 14, EG 42, FR 28, GM 21, GK 17½, HG 17½, IN 7, IT 24½,  
PS 10½, PL 17½, PT 45½, RM 14, RS 24½, SC 21, SP 38½, SD 7, TK 14. Without this  
analysis, who would've guessed that Portuguese is R Tirana's number one lang,  
ahead of EG, SP and AB? (WBI 7/11, gh's comment)

ARGENTINA RAE, complete: 00-01 PT Am 11710 9690 6060. 01-02 EG & 02-  
03 PT & 03-04 SP & 04-05 EG Am 11710 9690. 10-1045 JP As 11710, 11-12 JP As on  
15345. 11-12 M-Sa SP Am 11710. 12-13 M-Sa SP Am 15345 11710. 13-14 SP Am on  
11710. 17-1745 M-F AR ME 15345. 1745-1845 EG Eu/AF & 1845-1930 GM Eu & 1930-  
2015 FR Eu on 15345. 19-21 Sat/Sun SP Am 11710 6060. 2015-21 IT Eu 15345.  
21-22 M-F EG Eu/AF 15345; 21-22 Sat/Sun EG Eu/AF/Am 15345 9690 6060. 22-24 SP  
Am 11710 9690 6060 (WBI 12/12)

AUSTRALIA Monitoring 24/11: per new pgm sked, RA bcs world nx every two  
hours starting at 01. These alternate with International Report, every 2 hours  
exc 16 & 18 when 3-min nx. Au nx now every two hours starting at 0030 (WBI 28/  
11)

RA reported 2/12: RA's forn-lang staff will strike for 24h tomorrow to pro-  
test a decision by ABC to abolish end-of-contract overseas leave and pgm assign-  
ments. The strike, which'll begin at 19 UTC Tue, 'll involve radio programmers  
from Thailand, China, Japan, Vietnam, Indonesia, PNG, and the French Pacific Is.  
The Victorian secy of the ABC staff union, Mr Neil Wilson [phonetic] said his  
union recognised that RA faced budgetary problems but he said this should not  
justify and attack on one of the lang staff's fundamental working condx. Mr Wil-  
son said the staff had signed their contract ingood faith w/the expectation th-  
at at the end of their 2-yr contracts they'd be granted home leave or a pgm as-  
signment. He warned that abolition of the condx could lead to a higher staff  
turnover resulting in rate of repatriation [sic] and recruitment costs for re-  
placement staff. This is the first time fornlang staff have gone on strike  
since RA was established in 1939 (WBI 5/12)

BOLIVIA La Cruz del Sur noted w/solid & G sig on 4876, relig pgm & ID at  
1002, m/b 10 kW xmtr, 12/13 (Maxfield Greenwood, ME)

BULGARIA Monitoring 25/11: A further R Sofia xmsn'in EG to NAm should be  
added to the sked in WBI 14/11. It's at 04-05 on 7115 (WBI 28/11) Cf Dec LN

CHINA R Beijing Russian svc; bcs from some xmtrs may be a few secs out of  
synch w/others. Some, esply 4883 & 4815, may even carry a completely diff pgm.  
All targeted to Eu [only--forget about Asian part of USSR --]. 03-0355 15435  
11755 11515 9335 8260 [no longer any backward]. 10-1055 9860 9725 9480 7820  
7120 6560. 11-1155 7820 6560. 13-1355 7820 6560 5850 5145 4883 4815. 15-1555  
11610 9765 9340 7820 7420 7375 6555 5850 5145 4883 4815. 16-1655 11755 9965  
9765 9670 9340 9290 7820 7517.5 7470 7420 7375 7035 6974 4883 4815 4200.  
17-1755 11755 11610 11500 9965 9670 9290 9250 7820 7700 7470 7375 7035 6974  
6860 4200 1521. 18-1855 11755 9670 9340 9290 9240 7700 7420 7360 6974 6430  
4200. 19-1955 11755 9670 7420 7360 6974 6430 4200. 20-2055 11755 9670 9340  
7360 6420 4200. 21-2155 11755 11655 11565 11245 9670 9340 9290 7700 7420 7385  
7360 4200. 22-2255 9965 9945 9765 9290 7360 4883 4815. 23-2355 4883 3815  
(WBI 28/11)

Xinhua reported 27/11: Starting 1/12, China Central TV (CCTV) will open a  
new channel to bc an EG-lang pgm on a trial basis, a CCTV offl said today. "The  
pgm'll be regularly bc nationwide early next year", added Huang Ayuan, adviser  
to CCTV's intl dept, who is shooting for the pgm in this capital of Fuzhou  
prov, Huang came to the mainland from Taiwan several years ago. [sic] The pgm  
'll provide forn experts, embassy staff, businessmen and tourists in China w/  
2½ hours of nx and features (WBI 5/12)

V of Jinling, Nanjing, from the Jiangsu PBS, svc for Taiwan was inaugurated 12/11/86, in Std Chinese on 4875 at 1955-2400 GMT w/10 mins of nx on every hour (WBI 12/12) This contradicts BBCMS's own initial report of the time as 1155-16 --therefore I conclude that the time in this item 1955-24 is erroneously in local UTC+8 (gh)

C O L O M B I A Caracol Neiva hrd 22/11 on 4945, 0650-0710, SP pops and Andes mx. Nx & sports at 07 by M, VG sig and in the clear (Chuck Weiss, OH)

C U B A Harmonic of 1140 R Cadena Habana noted on 2280 12/12 w/F but distorted signal past 0900 (Maxfield Greenwood, ME) I was also hearing it 8 hours earlier, // 2440, and R Taíno was also in w/different coverage of same event on 2320 harmonic (gh)

E G Y P T Monitoring research 18-19 Nov; After a sesquidecade, R Cairo has given up the use of 9805 for ES to Eu; hour-long bcs in IT, GM, FR at 18, 19 and 2015 are now on 9900; one-hour EG to Eu retimed to 2015 on 9655 (WBI 28/11) You mean sesquihour (gh)

R Cairo ES, complete: 0045-02 SP Am 11715 9740 9475. 0030-0330 AR Am 9900. 02-0330 EG Am 9675 9475. 0330-0430 AR Am 12050. 10-11 AR Au 17815. 10-12 Hebrew ME 1107 incl nx in RS 11, FR 1115, EG 1130-1145. 11-1130 AR Af 17800. 1115-1215 AR As 17875. 1130-1215 TI As 21465. 1215-1330 EG As 17675. 1215-1345 Indo As 21465. 1330-1430 BG As 17675. 1345-1430 ML As 21465. 1430-1530 HD As 17690. 15-16 Pashto As 15175. 15-18 HB ME 1107. 1530-1630 Afar Af 15155. 1530-17 UD As 17690. 1530-1730 SH Af 11975. 16-1645 ZL Af 17785. 1630-1730 SM Af 15155. 1630-1830 EG Af 15255. 1645-1730 Shona Af 17785. 1645-1745 TK Eu 11750. 1730-1815 Ndebele Af 17785. 1730-1830 Amharic Af 15155. 1745-1945 Persian ME 11930. 18-19 IT Eu 9900. 1830-1915 Lingala Af 15255. 1830-1930 WoIoF Af 15375. 19-20 GM Eu 9900. 19-21 Hausa Af 15210. 1930-2030 Bambara Af 15375. 1930-2030 Fulani Af 15335. 20-2115 FR Eu 9900. 2015-2145 EG Eu 9655. 2030-22 EG Af 15375. 2030-2230 FR Af 15335. 21-22 Yoruba Af 15210. 2215-2330 PT Am 15420. 2345-0040 AR Am 17720 15220 (WBI 12/12) Weekly total is 366:55 (ibid)

E S T O N I A [Cf Dec LN-18] Almost 100% sure that Max Greenwood's logging on 5925 until 2205\* 26/10 was, in fact, Tallinn. No recent reception here but hrd them in 1972 on 6085 w/identical pgm format in Estonian (similar to Finnish) & long choral anthem to 2205\*. Rcvd QSL & correct ID is "Siin Tallinn". Riga on 5935 shd be audible at same time, if clear (Ernie Behr, Kenora Ont, 11/12)

Oh! (referring to gh's comment in Dec LN). That then means the lack of "The Internationale" at end of bc is no problem--and the choral anthem hrd is most probably the Soviet Union Hymn, which I confess to not being able to recognize --in fact, I was 'blissfully' ignorant to its existence--oh my! But that cinches it--what I taped on 26/10 is 99.99% surely Tallin. I have since tuned in 5925 on roughly 12 occasions at 2100+ since 26/10, with no tangible reception--nothing I could 'read', that is. So I chalk up the 433+ reception on 26/10 to the DX law of 'he who tunes in xxxxx fq over & over again, for lack of anything better to do, will eventually say Eureka!' Now if I only had a detailed computer readout of all the propagational variables for 26/10--then maybe I could understand what variable or variables set up these propagational phenomena (W Maxfield Greenwood, Sedgwick ME, 13/12)

F R A N C E 25/11 1044 on 11670, both France and French Guiana at same time, FR to Ams & Eu, 3-way propagation mode to EAu: Guiana via short path across Pacific, France via SP across Ams, France via longpath over Asia/ME. All this gave a weird 'reverb' echo effect, due time lag for satellite link (Bob Padula, Vic, ADXN)

France Inter reported 13/11: Latest report by Médiamétrie, audience rating svc, shows more people are listening to France Inter [on 162 kHz]. FI is now the 2nd most popular radio stn in F after RTL [236] and ahead of Eu No 1 [183]. FI does particularly well for all the nx slots betw 07 & 0845, and at 13 & 19. Betw 08 & 0830, 2.2 megapeople listen to us (WBI 21/11)

RFI EG at 0315-0330 & 0345-04 ME/Af/Am 9800 9790 9535 7135 6175 6055; 0415-0430 & 0445-05 ME/Af/Am 9800 9790 9550 9535 7135 6175 6055 1233-Cyprus. RFI is bc on 738 kHz from a 4.5 kW xmtr in Romanville for listeners in the Paris area. Daily 04-23 w/RFI FR WS except: 11-1130 SP, 16-17 EG PCA. Suns also carries spl svc in FR 0830-11 & 15-16; SP 14-1430, Creole 1430-15 (WBI 21/11)

France Inter reported 3/12: New chairmen and managing directors [French: Président Directeur Général (PDG)] have been appointed to the public svc radio and TV bodies, including Henri Tezenas du Montcel for RFI (WBI 12/12)

G E R M A N Y E A S T RBI in EG: 45 min xmsns: 00 AM & 0045 Am 9730 6080. 0215 Am 9730 6080. 0245 Am 6165 6125. 03 Am 9560 6010. 0430 Am 9560 6010. 0445 Af 11795 9730. 0445 Eu 5965. 0645 As 21540 21465 15240 11920. 07 Eu/ME 11810 5965. 0815 As 21540. 0815 Sat/Sun Eu 9730 7185 6040. 0945 As on 21540. 1215 As 21540 21465 15445 11920. 1245 ME/Af 17755 15240 11890 11705 & 9665. 1330 As 21540 21465 11920. 1515 As 17880 15240. 1545 ME/Af 15255 15170 11785. 1615 Eu 9730 7295 6115. 1745 Eu 9730 7260 6115. 1815 Af 15170 15145 9665. 1915 Eu 6115 6080 1359. 1945 Af 15170 11750 9665. 2145 Eu 5965. 2145 Am 6125. 23 Am 6165 6125 6070. 23 Eu 7295 5965 1359.

Total weekly output in all langs is 451 hours; EG is by far the #1 lang with 138 hpw, with GM at 50:45 only in 3rd place, outdistanced by FR 59:15. While the stn has a strong 3rd-world image, little of this is conducted in local langs: Hindi 14 hpw, AR 28 hpw, Swahili 10:30 hpw. By target area in all langs 77 hpw to ME, 82:15 Af, 54:15 As. (WBI 12/12, gh comments) BBCMS routinely provides these totals, but I usually skip them here; are you interested? (gh)

Of the xmsns to E&WNAm, the only usable xmsn here is 2145 on 6125 (Charles Weiss, OH) Typical, at least in the winter. But also try some of the svcs to elsewhere after local sunrise; if 13m opens up, RBI is usually there (gh)

G H A N A Monitoring 1-2/12: GBC obs 1/12 0600 EG rx on new 3350, //usual 4915 & 3366. 3350 xmsns ceased 0615 after rx when 4915 & 3366 separated into the GBC -1 & -2 svcs. 2/12, 3350 \*0525 GBC-2 //4915 to 0615\* (WBI 5/12)

H O N G K O N G Xinhua reported 26/11: HK govt is to extend TV viewing hours during which ads for tobacco products will be banned. New reg will come into effect from Dec 1988, and a total ban'll be introed from Dec 1990 [great! must keep killing people for another couple years! -gh] Other major policies which are to form backbone of new govt strategies on being: establishment of being authority w/responsibility over TV, radio, cable TV; licence extension for a 12-year term for existing two TV licensees and retention of RTVHK w/in the public svc but as an executive arm of a Board of Governors (WBI 5/12)

I N D I A AIR reported 17/11: 18 new radio stns are proposed to be set up in border areas during current plan. Info & BC Minister, Mr Ajir Panja, told the Lower House of Parliament that the stns'd be located in 11 (WBI 21/11) That's where the item ended--something obviously cut off (gh)

AIR reported 17/11: [oh, here's the whole thing] ...Panja, told the Lok Sabha that the stns'll be located in 11 states. Said no proposal to shift the AIR xmtr from Ajmer. However, present 20 kW'll be replaced to 200 kW xmtrg. About AIR's requirements for SW xmtrs, he said these'll be imported since they are not manufactured indigenously. Re Doordarshan [TV svc], Mr Panja said there is provision in 7th plan for replacement of eqp, upgradation of producion facilities, and setting up of new producion centres. Said on completion of ongoing schemes, total number of TV xmtrs in country'll go up to 372 from present 185 (WBI 28/11)

I R A Q Monitoring 23/11: 0705, V of Masses DS in AR began to relay the opening of the 7th annual 'al-Mirbad' poetry festival in Baghdad. Anqr referred to the radio as the 'al-Mirbad' radio stn being especially for this occasion which 'd last a week. Festival opening ceremonies bc on all VOM fqs: 15440 15175 15105 11770 9665 6125 684. However, at 1000 23/11 ancd: 'al-Mirbad' radio stn, whose xmsn extends from 12 to 24 [09-21 gmt] can be hrd as follows [utc:]: 693 09-15, 11705 09-15, 6205 15-21 (WBI 28/11)

I S R A E L V of Israel, Jerusalem in EG: 00-0030, 01-0125, 02-0225 Eu/Am 98 60 9435 7465 5883. 05-0515 Eu/ME/As/Au/Am 17685 17630 11700 9855 9435 9012 7460 7410 7355. 11-1130 Eu/ME/As/Au/Am 17685 17630 15640 15095 13725 12080 11 700 11655 11585. 18-1815 Eu/ME/Am 11655 9930 9860 9385. 20-2030 Eu/Af/Am 117 00 9815 9435 9012 7465 7410 7355 5885. 2230-23 Eu/Am 9435 9012 7465 5885 (WBI 12/12) Total hours per week for ES in all langs to all areas: 118:55 (ibid)

I V O R Y C O A S T R Côte d'Ivoire not hrd on 9620 or 9670 since early Nov; was on 11920 instead, 2030-2402\* w/NA, vy strong 18/11; on 6015 2200 FR nx 24/11; again on 11920 same time 7/12 (Ernie Behr, Kenora Ont)

L A O S Monitoring 25/11: Laotian Natl R extl svc pgm in FR is now being bc from xmtrs in USSR. 25/11, 11870 which had carried R Moscow GM svc 10-11 stayed on air and started to be LNR FR ES from Vientiane. In addn to stating that there were bcs daily in FR at 0030, 0530, 13 on 41 & 291m, opening anmt also said daily to Eu at 11. A break in what was obviously a satellite feed prevented full transcription of ancd fqs. But also bc on 15190 which had started just before 1100 w/line-up tones typical of those used by Soviet xmtrs (WBI 28/11)

L E B A N O N R Free Lebanon [a Lebanese Forces radio] reported 2/12: In view of the fact that al-Sana'i' radio [the R Lebanon govt-controlled stn] continues to concoct nx and bc commentaries damaging to natl interests and unity and beneficial only to the cause of partition, info circles have begun to question the role of Info Min Joseph Skaf in this phenomenon. These circles at tribute Skaf's inaction on this matter either to his coordination w/the parties manipulated from abroad or to his indifference to this critical national issue. Same info circles reiterate their demand that Min Skaf assume his responsibility and abolish the official status of the al-Sana'i' radio. This stn is controlled by the remnants of [Minister Nabih] Birri's followers. Min Skaf is called upon to make up his mind whether he wants to collaborate w/subversive for parties or behave in accordance w/Leb's natl interests and his constitutional responsibilities as Min of Info (WBI 12/12)

L I B E R I A ELWA Monrovia, 11860, from \*2015 IS & AR pgm to 2120\*, G 16/11; on this fq since Dec 85 but not listed in the new RDI (Ernie Behr, Kenora)

M E X I C O XERMX R México Intl, 5985, hrd from \*1257 w/mx IS, long NA & SP pgm, strong 30/11 & other days; //11770 also strong but distorted; AWR Guatemala on 5981 now until 1300\*: as if to avoid XE-QRM, XEUW Vera Cruz, 6020, also G from 1300 w/SP nx; all hrd on Philips D1835 (Ernie Behr, Kenora Ont)

N A M I B I A R SWA now becoming audible. Hrd 1/12 w/vocal and instl EZL mx on 3295. 0359 w/closing anmts in EG, into AK (Charles Weiss, OH)

N E P A L R Nepal ancd 16/11: In accordance w/its regular pgm of [word indistinct] SW xmsns to suit weather [sic] condx, R Nepal has made certain changes in SW xmsns effective from 1/12: first & third xmsns on 5005 and 3230. second on 5005 & 7165. ES pgm on 5005. MW on 792 and 684 unchanged (WBI 5/12) No times given

N E T H E R L A N D S RNMN reported 13/11: Dutch domestic MW xmtr 1008 s/off as early as 2100 and careful observers say if we had any sense we'd be using that channel late at night instead of trying to battle it out w/the rest of the 49mb. Look at how well it works for Belgium and Britain, say the letters, and they're right. Problem preventing us grabbing that MW airtime immediately is partly a matter of finance, plus xmtr is used for DS pgms not signing off at same time each night. Mr Dijkstra, RN Dir-Gen says stn wants to use MW but no immediate plans, and discussions w/DS not yet taken place. May be a couple of years before this can be implemented; perhaps not only in EG but DT, FR, and if we had a GM svc, in that lang (WBI 21/11)

N I G E R I A R Nigeria, Lagos reported 24/11: Four xmtrs to serve as booster stns for the Kwara State Bcing Corp have been delivered in Ilorin. The 10 kW-ers, valued at 1.4 meganaira, will be installed at 3 diff locations in the state. Speaking while taking delivery of eqp, Corp's shairman said xmtrs'd give better reception thruout state. Commended FRCN for acting as clearing agent for R Kwara in order to reduce costs (WBI 28/11) & who cares if they're SW? We do!

P A R A G U A Y AFP reported 2/12 from Asunción: The combative R Nanduti 1/12 was being only cl mx because of almost uninterrupted jamming by individuals who support the govt. More than ever the jamming stopped being of nx and ads. Humberto Rubín, stn owner, told AFP the because of pro-govt censorship, half of RN's advertisers have withdrawn, deepening economic crisis stn experiences; even endangers normal salary payments of its apx 70 employees. Rubín is visibly affected by his impotence to save stn from atax; this day's jamming the worst since it started 7 months ago. Rubín said for some months he has been selling his personal assets to maintain the stn; planning to raffle off two

plots of land in a solidarity raffle in order to pay employees yearend bonus. Promises by Intl foundations two months ago to help him survive are unfulfilled. (WBI 12/12)

PORTUGAL RDP Intl reported 13/11: Council of Ministers meeting 12/11 adopted a number of measures concerning state owned nx media, including: RDP's SW svc should be a self-administering bcng stn in order to bring about necessary improvements in quality of reception of its pgms. RDP SW serves our emigrants, providing a sort of permanent contact between them and their Port homeland, main reason for improvements. Meeting also decided to make major investments designed to boost the quality of poor reception caused by ageing xmtrs. In 1987 we propose to invest 100,000 contos [100 million escudos] and further investments in subsequent years until all Port emigrants are able to receive Port radio pgms in good condx. And RDP Intl reported 15/11: Govt took a decision seeking to provide RDP's SW svc w/autonomy in administration, finance, programming w/in the state-owned enterprise RDP (WBI 21/11)

SOUTH AFRICA Radio 5 in EG 3/12 on 4880, mx by The Doors, M DJ giving previews of upcoming sps featuring ZZ Top, Doors, etc; 2200\*, F-P. 5/12 0358 in EG ads for Valvoline and cigs. Rock mx w/call-in show hosted by M, F-G (Charles Weiss, OH)

SWAZILAND R RSA reported 14/11: Danish govt has agreed to loan 9.7 megadollars to Swaziland to finance 3 major development projects incl 2.9 M\$ for Dept of Posts & Telecomms for modernisation and expansion of country's radio net. Remainder to be used in rehab of infrastruxure damaged or destroyed by cyclone Domoina [in Feb 1984] and to expand electricity power distrib system (WBI 21/11) Ever notice how little reportage we get of cyclones not affecting Nam? I thought I was pretty well-informed, but never hrd of that one(gh)

UAE V of UAE, Abu Dhabi, hrd on new 13765 since 23/11, from 1400 AR mx & ID past 1500; just below R Ned on 13770; hrd on DI835 rx (Ernie Behr, Kenora Ont)

USA [Cf Dec LN-29] V of Free China via WYFR now hrd on 9852.5 & 11805, from 2200 FR, 2057 GM to 2157\*, 3/12 (Ernie Behr, Kenora Ont, 11/12)

WINB, first time noted on 15295, 29/11 1915 Holy Temple Church of God, 1930 Russian, 2000\* after EG ID, switching to 15145 (Bob Padula, Vic, ADXN)

VOA-Europe svc to continue; RNMN interview 27/11 w/dir Frank Scott: budget cut but pgming to remain essentially the same; however, regular EG nx to replace spl nx done before. Listeners should not notice much change. Plans to add FR, GM and other langs, shelved. Still plans to go stereo via Germany; and tentative agreement to add 5 stns in Tuscany (WBI 3/12)

USSR Fulfilling Switzer's request last month, now that BECMS has published its twice-yearly complete R Moscow sked 5/12, here is French (R Moscou Internationale): 05-06 Eu/ME/Af 15485 12040 9860 9840 9820 9795 9710 9650 9610 9490 7440 7400 7355 7330 7240 7200 7160 1386. 06-07 Eu/ME/Af 15485 12040 9860 9840...hmm, they're all the same as 05. 07-08 same minus 7200 7355. 17-18 Eu/ME/Af 9840 9480 7440 7295 7280 7185 7175 6105 6060 5950. 17-18 Maghreb on 9710 7400 7370 7240; 18-19 RMI Eu/ME/Af 9785 9775 9710 9480 7440 7400 7305= from 1830 7295. 18-19 to France & Belgium 7280 7240 7185 6060 5950. 19-20 RMI Eu/ME/Af 7440 7400 7330 7280 7240 6105 6060 6010 5950. 19-20 Af 9775 9710 9480 7400 7390 7305 7295 7200. 20-21 RMI Eu/ME/Af 9860=from 2030 9775 9710 9480 7440 7400 7330 7305 7295 7280 7240 7200 7115 6105 6060 6010 5950. 21-22 RMI Eu/ME/Af 9860 9775 9760 9710 9590 9480 7440 7400 7330 7305 7280 7240 7200 7195 7175 6120 6060 6010 5950.

Would like current R Moscow skeds in Indonesian; and Peace & Progress in Chinese--all dialects (William Westenhaver, Montréal PQ)

R Moscow Indonesian: 11-12 15470 15175 11960 11660 9735. 13-14 15470 13725 11660 9735 9710 9510 7220 (includes R S P&P pgm Tue & Wed 1330-14). 15-1530 13725 11740 11670 11660 9830 7260 7230 7115 6045. 23-2330 11775 9735 9685 7220.

R Stn Peace & Progress: Std Chinese: 01-02 15570 15530=from 0130 15160 11775 11765 9685 9595 9530 7170 7135. 04-05 17870 15570 15545 15530 15315 15210 15160 13775 13625=from 0430 13710-LSB=from 0430 11765 9530 7135. 12-13 7280 7185 7160 6165 6145 6120 4010 1476 1350 648 584. 15-16 9810 9675 9450 7380 7160=from 1530 6165 6145=from 1530 6110 1476 1350 1080 648 584. 17-18 9810 &

9450 7380 7160 6165 6145 6110 6060 5035 1476 1350 1080 810 801 648 584.  
19-20 [ 3-4 am in China... ] 9810 7340 7185 7135 6145 6060 5035 1476 1350 1080  
810 801 648 584. 22-23 11775=from 2230 9685=from 2230 9595 9480=from 2230 9450  
7270 7185 7160 6060 5980 1476 584.

RSP&P Cantonese: 09-0930 15530 12030 11905 9890 9830 9625 7380 7330. 10-1030 12030 11905 9890 9830 9625 7380 7330 7150. 11-1130 same. 1130-12 12030 11905 9830 9565 7380 7330 7150. 1230-13 11905 9565 7380 7330 7195 7150.

RSP&P Shanghai dialect: 0930-10 12030 11905 9890 9830 9625 7380 7330. 1030-11 12030 11905 9890 9830 9625 7390 7380 7330 7280 7150 6110 5960. 12-1230 11905 7380 7330 7195 7150. (WBI 5/12)

I'm used to running into the odd P&P bc in Chinese early in our morngs in the 4mb, but here's a somewhat unusual logging: 20/11, \*2159 on 7185 clarinet IS to 2200, ID & s/on anmts by M and talk by W. Presume from a Eu or WAS xmtr site; sig strength was poor w/unID CCI plus ham QRM (William Westenhaber, PQ)

Incredible as it may seem, there are a few bcs from RM that are heard on only two fqs!::: 01-02 Pashto 9885 7305. 13-1330 Laotian 9725 7315. 17-1730 Azeri (P&P) 9665 6110.

RM for Cuba in particular, in SP: 0030-01 7300 7105 6145 6115 6105 5905. 02-03 9710 9610 7390 7370 7360 7320 7280 7250 7175 6145 6115 6105 5905.

R Moscow regional EG svcs: 17-18 Af (including Afrikaans Fri 1745 apx) on 11725 9810 9760 9630 9620 9490 9470 7325 7315. 18-19 Af (also in Zulu) 9730 7400 7315 7200. 20-21 GB & Ireland 7195 7150 7115 6175 6030 5980 5905. 20-21 Af 9760 9730 9630 9620 9590 9560 9450 7315.

R Stn Peace & Progress in EG: 14-1430 As 15470 9715 9565 7440 7230. 1630-17 Af 9860 9810 9490 9470. 1630-17 ME/As 9675 6005 5935 864 (WBI 5/12) Considerably fewer fqs than in their published sked! (gh)

Monitoring 3-10/12: Since 3/12, the 24h RMWS in EG has replaced its daily 'Focus on Asia' pgm w/a new one 'Focus on Asia and the Pacific'. Ex-FoA pgm had been just under 30mins thrice daily at 0131 1531 2331. New pgm also apx 30m 4x daily at 0110 1010 1510 2310 weekdays. Exact weekend bcng pattern has yet to settle down. New pgm has 20 mins comtry, reports, then As & Pac regional nx. RM has separate EG svcs for Af, SAf, NAM, GB&I but in recent years has incorporated pgms for As in WS; pgms in EG specifically for Pac audience are new (WBI 12/12)

TASS reported 5/12: Tentative step towards establishing Sov/Am coop in TV-- Depy Ghm of USSR State Committee for TV & RBC, Vladimir Popov thus describes agreement just signed; envisages experimental showing in USA for a fortnight of bcs of 2nd Pgm of USSR Central TV. For US side, agmt signed by rep of Orbita Technology Corp of NY. This is not spl bcs for Am viewers but merely beaming pgms from Moscow as seen by Soviets; will be in Feb-Mar and if successful will lead to commercial agreement. Orbita corp counts mainly on interest of people who know or study Russian. Sov rep said doesn't plan to purchase Am pgms since there is a diff approach to contents and structuring of TV bcng in USA. But this does not preclude fruitful exch of separate, most interesting pgms. All-Union R reported 5/12: Orbita Tech Corp has already gained experience in relaying Sov TV bcs to a number of Am universities for academic purposes. Will be picked up from a comsat for FE USSR. TASS reported 5/12 that OTC has proposed that the showing of Sov TV 'be extended to several cable TV nets' (WBI 12/12)

R Stn Soviet Belorussia, Minsk, ES: 1830-19 BR Eu 7420 6165 (every 1st & 3rd Sat replaced by GM); 2130-22 BR Eu 7420 6185 (2nd & 4th Sat GM instead).

R Kiev in EG: 0030-01 Am 11860 11790 9765 7165 6200 6020. 03-0330 same. 19-1930 Eu 7195 6165 6090 6010.

R Vilnius in EG: 2230-23 Eu 6100 666. 23-2330 Am 11860 11790 9765 7165 6200. 2230 bc also irr on 1557 & 1107. All 3 stns one hour earlier during DST (WBI 28/11)

V A T I C A N Vat R reported in Croatian 29/11: as from 1/12, bcs in Croatian at 18 & 04 on 1530 kHz will be considerably improved by a new xmtr. DPA reported 1/12: From 1/12 it'll be possible to receive Vat R considerably better in GM-speaking countries. Stn ancd GM via newly erected MW ant. But in southern Italy, Greece, Spain, it'll only be possible to rx GM pgms on SW; mediumwave no longer possible. Like GM, pgms in SP, PT, HG, AB, RM and most Slavonic langs, will from now on be xmtd only to target countries. FR, EG, IT still omni on MW (WBI 5/12)

VENEZUELA next page

V I E T N A M VOV reported 24/11: The Vung Tau integrated microwave comms stn

has been officially put into opn. Stn, built w/Sov assistance, responsible for ensuring all types of comms betw Vung Tau and other localities in the country & world. Stn receives and relays pgms from USSR CTV to serve Sov experts and Viet cadres and people in Vung Tau [ some 40 mi SE of Ho Chi Minh city] (WBI 5/12) Vung Tau used to be site of Australian forces stn on MW

V E N E Z U E L A [oops] R Maturin, F-G 13/12 0915 t/in w/two 'noisy' ancrs hyping and IDing, on 5040 (Max in Maine)

Ecos del Torbes, 4980, 0340-04\* 4/12, SP pops & ballads, addr & phone #; state & natl anthems, G. Many tnx for R Nacional on 11852 tip; hrd every day w/tremendous sig; 9/12 w/countdown of pop mx at 2140 (Chuck Weiss, OH)

R Nacional, 11852.5, vy strong all day, 16-2310 when WYFR s/on; mostly LAM pop mx, at 2200 Ven NA & SP nx; hrd since 15/11, but not daily (E Behr, Ont)

**CLANDESTINE CRANNY** V of Democratic Kampuchea (Cambodian: Samleng Kampuchea Pracheathipatei) bcs in support of former Khmer Rouge regime; first obs 16/1/79; xmtrs believed in PR China. Daily one hour in Cambodian: 04 17680 15110. 09 11870 11695 8345. 13 15360 11675 5250 4130. 2330 9440 8345 7350 (WBI 28/11)

V of Tamil Eelam operated by PLOT: in EG, Sinhala, Tamil; Wed, Sat, Sun. TM pgms contain revly songs and packed w/info about their Libn mvmt. TM 0230-03, 1030-11, 1330-14; suffers severe jamming. Gives addr in Madras: VOTE, No. 11 Des[? illegible]ikar St, Vadapalari, Madras. Anmts say on 41 & 49mb. Reception on 49m is generally poor and sometimes not available (G R Prahlada, Nov IDXCI)

VOTE in Tamil 1/12: Beloved countrymen, on various occasions in the course of the history of our Tamil Eelam freedom struggle, the stooges of imperialists and the reactionary organisations which represent them have been trying to hamper the progress of our revolution by resorting to various evil trix. It is quite clear the mentor of these hooligans, the fascist Sri Lankan JR [Jayawardene] gov't which is vexed by the progress of our struggle, is getting counsel for conspiracy from forn spy organisations. The gov't, which is not capable of confronting the mily activities of the Tamil Eelam freedom fighters who are working w/the strength of the people, is under the wrong impression that it can succeed by sowing confusion among the people of Tamil Eelam. What else can the capitalist demons do, that have no political insight or prudence? The SL gov't succeeded in disrupting the VOTE bc betw 1530 & 1630 [10-11 gmt] last Sun [30/11]. This coincided w/problems w/our xmtr. Henceforth, the Tamil Eelam Communist Party will take steps for counteraxion in case the SL gov't attempts to indulge in creating such complications.

Altho VOTE shifted fq from 7010, a SL stn continued its attempt at disruption thruout. At this time, there was a fake bc using the name of the VOTE, the authentic info media of the CP of TE, using the same fq of 7010 either by the Sri Lankan gov't or some reactionary groups. In this bc certain very mean calumnies which are far from the truth were unleashed against the leader of our fraternal organisation. Those who lack the knowledge of history despite showering despicable lies and that the bc was from our sacred info media. People are well aware of the conspiracies of such reactionary forces. However, if such fake bcs would be repeated in future we will let the people know about the truth at least in a few sentences in our news bulletin on the very next day. VOTE, which was launched w/the aim of providing political awareness to the people, has a sound, unshakable faith in the might of the people. VOTE bcs are being carried out keeping in mind the prosperous future of the Eelam revolutionaries and the freedom fighters. Requesting all to analyse the commentaries of its bcs, VOTE calls upon every revolutionary to undertake activities for political advancement as much as possible in order to lead our people toward the path of progress. As said by comrade [name indistinct]; healthy comments are not graves before us but are sharp tools to mend history.

Monitoring 2-4/12: VOTE ancd at 1410 2/12 that from 3/12 it'd bc on 7010 at 0430-0530 & 1330-1430 only; monitoring 3/12 & 4/12 confirmed no more bcs at 02-03 & 10-11. VOTE now bcs nx in Tamil 0430-0440 & 1330-1340; occl commentaries and spl anmts are in EG (WBI 12/12)

V of Tamil Eelam (pseudo stn operated by Sri Lankan gov't): Puts in vy strong sig on 9705 at 0430-0530 & 1330-1430; 6/10 ancd soon bc in Punjabi especially for 'suffering people of Khalistan' (IDXCI member #266, Nov ADXR)

The other stn IDing as VOTE is hrd 04[30? illegible]-0530 & 1330-1430 on

41 mb. Previously also 3lmb. Sig is very strong and suffers no jamming. Now uses 4lmb only. anmt: "You can hear our Tamil news daily at 10:30 am [05 UTC] and 7:30 pm [1400 utc]. Start w/spl report in Tamil for 3-5 mins then EG pgm for 5 mins and Tamil Film songs (for popular movies of Kamal Hasan) or devotional songs, then TM nx for 10 mins or 15 mins followed by EG songs by Michael Jackson and others, finally EG nx. 5/10, 6/10, 7/10, I hrd this w/following slogans: 1) Khalisthan is our brother country. 2) We are going to intro new xmsns in Punjabi lang and many other langs. These are intended for north Indian listeners and foreign listeners. Our EG bc helps many overseas listeners get correct info. 3) We deeply mourn for death of Sikh terrorist [sic] who were shot dead by Indian Border Security Forces. 4) the intro of Punjabi pgms will be a mark of solidarity to Punjab people. This stn rarely uses 49mb and was hrd w/weak sigs. Pgm content for night xmsn is same as morn; now hrd at unlisted time 02-03 (G R Prahlada, Nov ADXR of IDXCI)

Edu Puligalin Kural, operation by Liberation Tiger of Tamil Eelam, hrd w/TM pgms only; previously from 5/10 had sked daily 1030-11 & test xmsn 1330-14. Has revly talks, songs, mourns for dead libn tigers. As per anmts using 6150 & 7010. Previously did not suffer jamming, but severe now. Anmt between pgms: "our xmsn is disturbed in a pre-planned manner by SL govt, so we will change our fqs to avoid disturbances. Please excuse us." "We are very sorry to inform you that we are unable to bc on 6150 due to some problems." Asks listeners to give their letters to life members of LITE [if you can find one] or send direct to: Mr A Rajaram, No 928, Adayar, Madras 600020, India. Stn reqs listeners not to write their addr on the letter. Using new sked now: 1030-11 & 1545-1615 on 7010 6150. On 28/10 ancd: "Stn IDing itself as VOTE run by SL govt is xmtg at 0430 & 1330. This stn xmts all false nx. We request listeners not to listen to this stn. This stn ends w/following words: Puligalin Paasam Tamil Eelam Taya-kam"

Besides these 3 stns, an unID stn w/Sinhalese songs is hrd on 4lmb; no anmts during or at end, hrd 09-11 & 1330-1430 (G R Prahlada, IDXCI ADXR, Nov) Very fine monitoring observations, tho we would hope for more detail on the exact frequencies used by these various operations (gh)

V of Unity Monitoring 20/11: VOU, formerly known as V of the United Muslim Fighters (Mojahedin) of Afghanistan, and which now gives a PO box addr in Hamburg, hrd on its sked 1530-1625 xmsn in Pashto/Dari on 11490 9905 9215. VOU s/ off at 1625 but xmtr on 9215 stayed on the air; at 1630 it started to carry opening anmts for V of the Liberation of Iran [Persian: Seda-ye Jebhe-ye Nejat-e Iran] which carries material hostile to Khomeyni and the govt of Iran. 9215 was // VOLI usual fqs 9027 7080. After few mins, 9215 ceased abruptly. The xmtrs for these two radios are believed to be in Egypt (WBI 28/11)

V of Unity (Pashto: De Wahdat Ghazh; Dari: Inja Sada-ye Wahdat ast) first hrd under old name May/June 1980; addr given as: V of Unity, Radio Muslim Mujahideen of Afghanistan, P O Box 2605, 2000 Hamburg 60, W Germany. Sked in Pashto/Dari daily 0130-0225 & 1530-1625 11490 9905 9215 (WBI 28/11)

V of Libya, 10/11 2052 on 15195, AR talk, repeatedly mentg Iraq, SIO 454 (Kanwarjit Sandhu, Nov IDXCI ADXR) Is that the correct name of stn?

R Bardai Monitoring 7-9/12: Stn opposing Chadian govt in Ndjamena under leadership of Hissein Habré, continues on 6009; but xmsn of FR/AR/Chad lang 18-2030 currently completely mixed w/rely of Libyan radio's ES in AR V of the Greater Arab Homeland; the two bcs are radiated from one and the same xmtr; 9/12 6009 was unmodulated (WBI 12/12) Oops [not an acronym]

**UNIDENTIFIED** 9760 AR stn hrd since 4/12 w/talk & AR mx 19-22 when RCI s/on; possibly R Kuwait per unclear ID; also mi-enora Ont, 7/12) from 2200, and RCI should get off that fq fast (Behr,

**PUBLICATION** DX Listening Digest "Issue No. 7 is the best DX magazine issue ever received by me during my 30+ years as DXer/SWler. I spent several hours reading and rereading this issue in order to digest everything" (Lars Rydén, Sweden) Some copies of #7, as well as 6, 10 and the new #11 are still available to start your sub @ \$20 for 10 issues in N.A.; samples \$2. US funds on US bank or MO from gh, Box 490756, Ft Laud FL 33349

# QSL REPORT

Sam Barto, 47 Prospect Place, Bristol, CT 06010 USA

La Voz de la Selva

CARACOL

FLORENCIA



Florencia, 30 de Julio de 1986

Señor  
HOWARD  
ROM HOWARD  
Santa Bárbara  
CA 93130  
USA.

He recibido su comunicacion de fecha 11 de Julio del presente año, en la cual describe algunos detalles de su sintonía en dicha fecha.

Mucho nos agrada saber que nuestra emisora es escuchada en diferentes lugares del mundo; frecuentemente recibimos reportes de sintonía como el que usted nos ha enviado, hecho que nos satisface.

Los datos de sintonía por usted suministrados son correctos; nos gustaría recibir nuevamente su reporte para saber cómo continúa entrando la señal.

Tennant Creek f/d ltr. via ABC Darwin in 1 mo. v/s K. Kane. (Field).  
f/d ltr. in 2 mo. v/s Mr. R.H. O'Sullivan, General Manager. (Kusalik-AB).

VLSA 2310 Alice Springs f/d ltr. via ABC Darwin in 1 mo. (Field).

AUSTRIA: Radio Austria International 6155 f/d cd. in 74 ds. (Schulman-TN).  
9770 f/d "Centre with SW Studios" cd. in 36 ds. (Schulman).

AZAD KASHMIR: Azad Kashmir Radio 4790 f/d ltr. in 32 ds. for ms. v/s Yar  
\* Muhammad Khan, Engineering Manager. (Rigas)...This may be from a Pakistani site...Sam.

BALI AND LESSER SUNDAS: RRI Kupang 3385 n/d ltr. in only 16 ds: for an IN  
rpt. and ms. v/s Daud Yusuf Maro, Kepala Seski Siaran. (Davis-NM).

BANGLADESH: Radio Bangladesh 15525 f/d "Earthen Utensils" cd. in 2 mo. w/  
schedule. v/s Md. Abdur Rashid, Senior Engineer. (Allen-OK). 11935 same  
cd. in 685 ds. for 2 IRCs. (Cones-VA). f/d "Lighting on Independence Day"  
cd. in 5 wks. (Swaringen-NC).

BELGIUM: BRT 9830/15590 f/d cd. in 40 ds. (Levison).

BOLIVIA: La Cruz del Sur 4876 f/d prepared cd. in 3 wks. for a SP rpt. and  
ms. v/s Rodolfo Moya Jimenez, Pastor. (Palmerheim).

BOTSWANA: Radio Botswana 7255 f/d "Maize Drying" cd. in 21 ds. for a taped  
rpt. and ms. (Forst). f/d "Ghanzi Dancing Troupe performing a Flash Dance"  
cd. in 29 ds. for a taped rpt. and ms. (Lare-MI). 4820 f/d "Sunset" cd.

in 22 ds. for 2 IRCs. v/s Ted  
Makgegenene, Chief Engineer.  
(Cones), f/d cd. in 21 ds.  
for ms. (Rigas). 3356 f/d cd.  
in 24 ds. for 3 IRCs. (Mosman-KS).  
f/d cd. in 58 ds. for 2 IRCs.  
(Waylonis-PA).

GREETINGS FROM RADIO BOTSWANA.  
I AM PLEASED TO CONFIRM YOUR RECEPTION  
OF OUR TRANSMISSION ON 7255 kHz AT  
0430 UTC ON 28 JUL 1986 AND TRUST  
THAT YOU ENJOYED OUR PROGRAMMES.  
THANK YOU FOR YOUR REPORT 755 TED  
MAKGEGENENE - CHIEF ENGINEER - RB.

Information and Broadcasting  
Bureau, Botswana.

ALGERIA: RTVA 17745 "Logo"  
cd. in 212 ds. w/ schedule.  
(Levison-PA).

ANGUILLA: Caribbean Beacon  
1610 f/d cd. in 37 ds.  
for 1 IRC. v/s Gareth  
Hodge, Manager. (Van Horn)

ARGENTINA: RAE 15345 f/d cd.  
in 40 ds. for a taped rpt.  
& 1 IRC. (Engelberts-PRG).

ASCENSION ISLAND: BBC 6005  
f/d prepared cd. in 83  
ds. v/s S. Hurst, Engineer.  
(Rigas-IL). 7105 f/d  
ltr. w/ prepared cd. in 4  
mo. for 2 IRCs. (Palmer-  
shelm-MN).

ASIATIC RUSSIA: Radio Moscow  
Sverdlovsk f/d cd. in 60  
ds. (Rigas).

AUSTRALIA: Radio Australia  
7205 f/d "Black Swans" cd.  
in 19 ds. for a taped rpt.  
and 1 IRC. (Engelberts).  
VL8K 2485 Katherine f/d  
ltr. via ABC Darwin in 1  
mo. (Field-MI). VL8T 2325

VL8K 2485 Katherine f/d  
ltr. via ABC Darwin in 1  
mo. (Field-MI). VL8T 2325

VL8K 2485 Katherine f/d  
ltr. via ABC Darwin in 1  
mo. (Field-MI). VL8T 2325

VL8K 2485 Katherine f/d  
ltr. via ABC Darwin in 1  
mo. (Field-MI). VL8T 2325

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ltr. via ABC Darwin in 1  
mo. (Field-MI). VL8T 2325

VL8K 2485 Katherine f/d  
ltr. via ABC Darwin in 1  
mo. (Field-MI). VL8T 2325

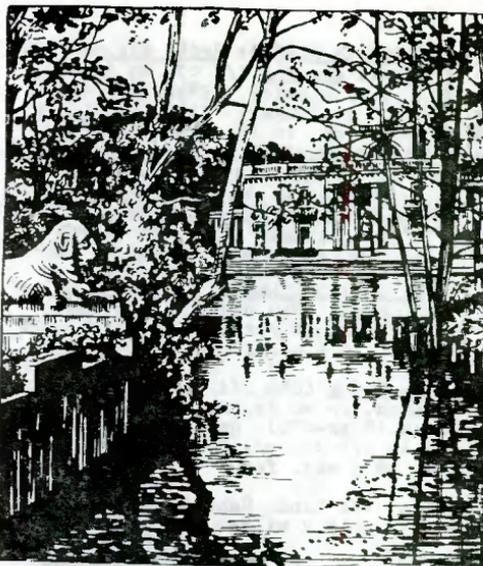
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4422 GREENHILLEN RD

ERIC, PENNSYLVANIA 15300



VIA John Bruckner

**RADIO POLONIA**

Warsaw - Łazienki Park

**BULGARIA:** Radio Sofia 15330 f/d "Nessebur" cd. in 4 mo. (Palmerheim). 6070 f/d cd. w/ stickers in 29 ds. for 1 IRC. (Engelberts). 11720 f/d cd. in 100 ds. (D'Angelo-PA).

**CANADA:** Radio Japan 6120 via Sackville n/d "Canada Relay" cd. in 18 ds. (Rigas). cds. in 10, 17 and 19 ds. for 1 IRC. (Webster-OH). n/d cd. in 33 ds. w/ pennant (RCI or NHK??) (Levison). f/d "Special QSL" in 5 wks. (Kusalk-AB).

**CELEBES ISLANDS:** RRI Ambon 4845 f/d cd. in 22 ds. for 2 IRCs. v/s Drs. H. Ali Amran (Paszkievicz-WI). f/d cd. in 5 wks. for an EG rpt. and ms. (Krziemien-CA).

**CHILE:** Radio Minería 9750 f/d "Antenna/Tower" cd. in 3 mo. for a SP rpt. and 3 IRCs. v/s Carlos Toledo Verdugo, QSL Secretary. (Allen).

**CHINA, PEOPLES REP. OF:** Radio Beijing 9535 f/d cd. in 28 ds. (Levison). 15445 f/d cd. in 20 ds. (Levison). Guangxi PBS 4915 f/d cd. in 330 ds. (Rigas). Yunnan PBS 5960 f/d cd. w/ ltr. in 75 ds. (Rigas). CPBS 5860 via Shijiazhuang, Hebei f/d CH form ltr. in 1 mo. (Palmerheim).

**CLANDESTINE:** Radio Fri Sranan 9940 via LYDC f/d ltr. in 86 ds. v/s Johnny Kamperveen. Addr: Council for the Liberation of Suriname, P.O. Box 5517, 3008 AM Rotterdam, Holland. (D'Angelo).

**COLOMBIA:** La Voz del Guaviare 6035 f/d prepared cd. in 2 mo. (Palmerheim). Ecos del Atrato 5020 f/d prepared cd. w/ personal ltr. in 3 wks. for a SP rpt. and ms. for 82 reception. v/s Gustavo Velez Henao, Director. (Palmerheim). La Voz del Llano 6115 f/d prepared cd. w/ stickers and decals in 45 ds. for a SP rpt. and ms. (Van Horn).

**CUBA:** Radio Habana 6100 cd. in 54 ds. w/ personal ltr. (Van Horn).

**CYPRUS:** RBC 6180 n/d ltr. direct from site in 20 ds. (D'Angelo).

**CZECHOSLOVAKIA:** Radio Praha 5930 f/d cd. in 36 ds. (Schulman). f/d "50th Year Celebration" cd. in 29 ds. (Levison).

**DENMARK:** Radio Denmark 15165 f/d cd. in 22 ds. w/ schedule. (Levison).

**DODECANESE ISLANDS (Rhodes):** YOA 7205 f/d cd. in 5 ds. (Paszkievicz).

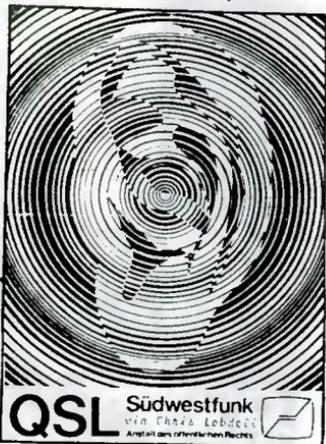
**DOMINICAN REPUBLIC:** Radio Discovery 6245 f/d cd. in 9 ds. for ms. v/s Jeff White. (Paszkievicz). f/d cd. in 15 ds. for ms. (George-NC). 15045 f/d cd. in 17 ds. for ms. (Rigas).

**ECUADOR:** HCJB 15385 f/d cd. in 44 ds. (Schulman). 6230/9870 and 15270 f/d cds. in 76 ds. (Schulman).

\* Radiodifusora Bahai 4990 f/d prepared cd. in 3 wks. for a SP rpt. and ms. v/s Derek Cerney. (Palmerheim).

**ETHIOPIA:** Voice of Revolutionary Ethiopia 9560 f/d cd. on my 3rd try in 135 ds. for 2 IRCs. Stickers and schedule rcvd. (Allen)

\* Voice of Namibia 9725 via VORE n/d ltr. in 9 mo. for rpt. sent to: P.O. Box 953, Luanda, Angola. v/s Charles Mubuta. (Field-MI)



**QSL** Südwestfunk  
VIA CARAS, Leoben  
Austria (any of these two Boxes)



# RADIO COOK ISLANDS

Confirming your reception of our station  
on 1776 kHz on 28 APRIL 1982  
0600 - 0901 G.M.T.

This Special QSL marks the visit of the DXCURSION

Group to Rarotonga, April 1982 from Australia & N.Z.

sent to us by Phillip Wala

*Phillip Wala*  
Kia Orana from Rarotonga

NOVITA E. THORNTON  
DIRECTOR & ENG. TECH.



Victor Maldonado. (Paszkievicz). p/d cd. in 1 mo. for an EG rpt. and ms. (Krzemien).

GERMANY, FEDERAL REP. OF: Bayerischer Rundfunk 6085 f/d cd. in 54 ds. (D'Angelo). Deutsche Welle 15410 n/d cd. in 40 ds. (Levison).

GREECE: Voice of Greece f/d cd. in 16 mo. (Rugg-QUE). Radio Station Macedonia 9460 f/d "Apollo Temple" cd. in 129 ds. v/s D. Goussides. (D'Angelo-PA).

GREENLAND: Gronlands Radio 3999 f/d cd. in 5 wks. for an EG rpt. and ms. (Krzemien).

GUAM: KTWR 9870 f/d cd. in 21 ds. for ms. v/s Linda Cahall. Her husband is station announcer. His parents live only 2 miles from me. Had a nice chat. (Forst).

GUATEMALA: Radio Chortis Jocotan 3380 f/d ltr. in 2 mo. for a SP rpt. v/s Juan Maria Boxus, Executive Director. (Kusalik-AB).

HONDURAS: Sani Radio HERRI 4755 f/d cd. w/ ltr. in 23 ds. for an EG rpt. and 3 IRCs. v/s Edward A. Pfister, Program Manager for Operations. (Weber-OH). same in 2 mo. (Kusalik). f/d "Map" cd. w/ long personal ltr. in 2 mo. for ms. (Orcutt-CA). Radio Luz v Vida 3250 f/d form ltr. in 338 ds. for an EG rpt. and 1 IRC. v/s Donald Moore. (Schulman).

HUNGARY: Radio Budapest 6025 via Jaszbereny f/d cd. in 48 ds. (Kacir-MI). 9520 f/d "City Park" cd. in 35 ds. (Kacir).

ICELAND: ISBS 13797/9957 f/d cd. in 441 ds. (Levison).

(Schulman).

IRAQ: Radio Baghdad 11750 p/d personal ltr. in 133 ds. v/s M.F. Rashid.

JAPAN: Radio Japan 9645 f/d cd. in 14 ds. (Levison).

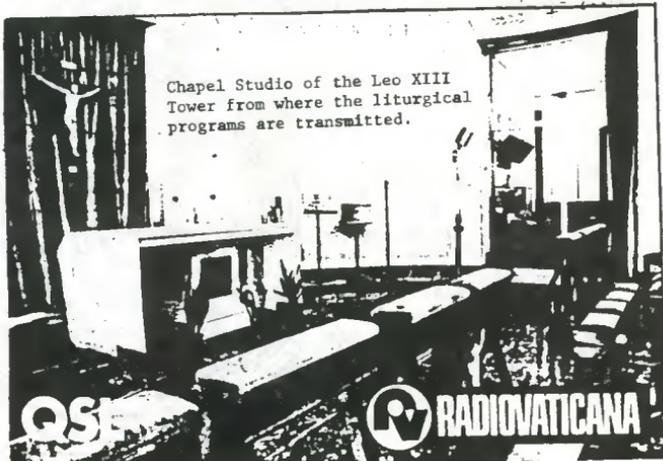
JAVA: Voice of Indonesia 11790 f/d "Youth Initiation Ceremony" cd. in only 4 yrs: for 2 IRCs. (Kacir) Radio Khusus Pemerintah Daerah Tingkat 1 Jawa Timur - Surabaya 3000 n/d ltr. in IN/EG in 23 ds. and ms. (Bishop-PHIL)

JORDAN: Radio Jordan 11924 f/d "Logo" cd. in 1 mo. for ms. (Palmerheim). 11920 same in 5 mo. for ms. (Swaringen).

KOREA, REPUBLIC

OF: Radio Korea 9750 f/d "Chedu Island" cd. in 40 ds. for 1 IRC. (Kacir). 15575 f/d "Asian Games" cd. w/ sticker in 57 ds. for 1 IRC. (Kacir).

MANCHURIA: Harbin PBS 4840 f/d cd. in 1 mo. via Beijing. (Krzemien-CA).



QSL



RADIOVATICANA

EVERY 2<sup>nd</sup> SUNDAY 4/48m

INTERNATIONAL SOUNDS

WTR

SPECIAL USA TEST

VIA CREST SERVICE

DIPOLE

WEEKEND MUSIC RADIO QSL

DEAR CEEB YOUR REPORT IS CORRECT OF:

DATE: 10/21

TIME: 06:55 (07:30)

FREQ: 6160

SINPO: 1000

1:20 w

43 ARRAN CLARE

CAMBRIDGE MA

SIGNED: Jack Reed

**MOROCCO:** Radio Medi-Un 9575 Nador f/d ltr. in 49 ds. w/ sticker for a FR rpt. and 2 IRCs. v/s C. Thuret. (Cones).

**NOZAMBIQUE:** Radio Mocambique 11818 f/d "Map" cd. in 5 wks. for ms. on my 4th try. (Krzemien).

**NEW CALEDONIA:** RFO 7170 n/d cd. in 17 ds. for 3 IRCs. (Weber).

**NIGER:** ORTN Radiodiffusion du Niger 5020 f/d "Map" cd. in 32 ds. for a FR rpt. and 2 IRCs. (Woloch-QUE). same in 5 wks. for a FR rpt. and ms. (Swaringen).

**PAKISTAN:** Radio Pakistan 17660 f/d "Broadcasting House" cd. in 43 ds. for a taped rpt. Schedule rovd. (Engelberts).

**PERU:** La Voz de la Selva 4825 f/d prepared cd. w/ p/d ltr. in 1 mo. for a SP rpt. and ms. v/s Hrna. Dulce Mombre Padilla. (Palmerheim).

**RADIO DEL PACIFICO 9675 f/d ltr.** in 1 mo. for a SP rpt. (FIELD).

**PHILIPPINES:** FEBC 9800 f/d "Sunset over Manila Bay" cd. in 37 ds. v/s Mrs. Anita Sandersingh. QSL Secretary. (Rigas). (Levison).

**ROMANIA:** Radio Bucharest 5990 cd. in 89 ds.

**SOUTH AFRICA:** Radio Brion 3215 f/d "Logo" cd.

in 117 ds. (Cones). **RADIO RSA 9615 f/d "Elandsberg"** cd. in 37 ds. v/s Colin Miller. (Kacir). f/d "Johannesburg Landmark" cd. in 24 ds. (Schulman). f/d "Table Mountain" cd. in 6 wks. (Schulman). f/d "Ebenezer Dam" cd. in 62 ds. (Schulman). f/d "African Elephant" cd. in 34 ds. (Schulman). 6010 f/d "Kingfisher" cd. in 1 mo. (Schulman).

**SPAIN:** Radio Exterior de Espana 9630 n/d "Navarra Castle" cd. in 76 ds. (Kacir). f/d cd. in 43 ds. (Levison).

**SRI LANKA:** SIBC 9720 f/d cd. in 12 ds. for 1 IRC. (Sylvester-MT). same in 307 ds. (Levison). 15425 f/d cd. in 39 ds. for 2 IRCs. (Paszkiewicz).

**SUMATRA:** RRI Tanjungkarang 3395 f/d "Bata Menyan Beach" cd. in 15 wks. for an IN rpt. and ms. v/s Drs. H. Hamdan Syahbeni, Station Head. Also rovd. photo and schedule. (Orcutt). (Weber).

**SWAZILAND:** Trans World Radio 3275 f/d folder cd. in 25 ds. for 3 IRCs.

**TAIWAN:** CBS 6087 large f/d cd. in 2 wks. for 2 IRCs. v/s Lee Ming. (Palmerheim). Voice of Free China 15440 f/d cd. in 38 ds. for a taped rpt. Rcvd. tape back w/ Taiwanese music - very nice. (Engelberts).

**TIBET:** Xizang PBS 5935 f/d cd. in 1 mo. via Beijing. (Krzemien).

**TUNISIA:** Radiodiffusion Tunisienne 7315/7225 f/d cd. in 2 mo. for an EG/AR rpt. and ms. v/s Mongi Chaffai, Le Directeur General. (Swaringen).

**TURKEY:** Voice of Turkey 9560 f/d cd. in 38 ds. w/ sticker and pennant. (Kacir). 17715 f/d cd. w/ pennant in 37 ds. (Bishop).

**TURKMEN:** Radio Moscow 11930 via Ashkhabad f/d cd. in 6 wks. (Krzemien).

**UGANDA:** Radio Uganda 5027 f/d cd. in 5 wks. for ms. (Krzemien).

**UKRAINIAN SSR:** Radio Moscow 9825/5920 f/d cd. in 1 1/2 mo. (Paszkiewicz). 9765

via Lvov. f/d cd. in 2 mo. (Paszkiewicz-WI) Radio Kiev 7175 f/d cd. in 64 ds. (Levison).

**CIRCUITO CMQ**

FINAR DEL RIO	CMAG	920 KC.	1.000 W
HABANA	CMG	830 KC.	28.000 W
	COCO	8.825 KC.	5.000 W
SANTA CLARA	CMHQ	840 KC.	18.000 W
CAMAQUEY	CMJL	920 KC.	18.000 W
HOLGUIN	CMKJ	730 KC.	18.000 W
SANTIAGO	CMKU	850 KC.	2.000 W

HABANA CUBA

via C. Hyson

EL CIRCUITO CMQ LE AGRADECE SU

REPORTE DE ESTA FECHA: .....

August 9, 1953.



RADIO POLONIA

**UNITED ARAB EMIRATES:** Dubai Radio and Television 9640 f/d "Map/Logo" cd. in 10 ds. w/ schedule and pennant. v/s K.P. Fenner, Chief Engineer. (Sylvester).  
**USA:** WWV 2500/20000 f/d folders in 18 ds. v/s John B. Milton. (Schulman). WWLK 9455 f/d ltr. in 22 ds. for ms. (Forst). f/d personal ltr. in 1 mo. for ms. v/s Elder Jacob O. Meyer. (Orcutt). same in 6 wks. (Field). Voice of Free China via WYFR 11590 f/d "Pavillion at Tso-Ying in Southern Taiwan" cd. in 26 ds. (Levison). 5985 p/d "Oil - paper Umbrellas" cd. in 188 ds. (George). WYFR 15440 f/d cd. w/ stickers in 21 ds. for a taped rpt. (Engelberts). Radio Marti 11930 f/d "Jose Marti Bust" cd. w/ ltr. in 1 mo. v/s Fred Rathert. (Weiss). KCBI 11735 f/d cd. in 20 ds. for ms. (Forst). WHRI 9615 f/d "Special Test" cd. in 88 ds. for ms. (Schulman). Radio Earth 7400 via US Rock via WINE 15185 f/d cd. in 15 ds. Addr: Radio Broadcast Communications, P.O. Box 419, Baltimore, MD 21136. (D'Angelo). same in 10 ds. for ms. (Schulman).

**USSR:** R. Station Peace and Progress f/d cd. in 76 ds. (Engelberts). "Radio Magallanes" 9710 f/d cd. in 32 ds. v/s Patricio Martinez. (Van Horn). VATICAN: Radio Vaticano 6190 f/d cd. in 25 ds. for 1 IRC. (Engelberts). VENEZUELA: Radio Capital 4850 f/d cd. in 25 ds. for 2 IRCs. v/s Manuel \* Correa, Gerente. (Mosman-KS). Radio Occidente 3225 prepared cd. w/ personal ltr. in 36 ds. for a SP rpt. v/s Ricardo Silguero L. (Van Horn). Radio Maracaibo 4860 f/d prepared cd. in 3 wks. for a SP rpt. and ms for an 82 reception. v/s Maximo Flores V., Director. (Palmerheim). WEST BERLIN: RIAS 6005 p/d cd. in 15 ds. for 2 IRCs. (Allen).

**ZAMBIA:** ZBS 4910 f/d cd. in 36 ds. for 2 IRCs. v/s Patrick Lungu. (Paszkiewicz). 4911 same in 163 ds. for 2 IRCs. (Allen).

<b>RADIO VANUATU</b>		Q. S. I.
FORMERLY RADIO NEW HEBRIDES ANCESTRAL RADIO NOUVELLES HEBRIDES		
	To	Mr. J. DEXTER
	of	123456789
I AM PLEASED TO VERIFY YOUR RECEPTION OF THIS STATION AT G.M.T. 0315 DATE _____ ON 1125, 3945, 7260 KHz		
For RADIO VANUATU P.O. Box 48, PORT VILA VANUATU (NEW HEBRIDES).		

Host of the Gong (Tam Tam) from Ambrym Island used in village ceremonies and in custom dances.

**NOTE:** Your editor has just received a copy of Gerry Dexter's publication Secrets of Successful QSLing. I must say that it is one of the, if not the best, analysis of this subject. It is written concisely in a step-by-step manner. It is a very comprehensive approach to this complex segment of the hobby. Your DX library should not be without a copy. For additional details and further information concerning some of Gerry's other publications, please write to:

Tiare Publications  
 P. O. Box 493  
 Lake Geneva, USA  
 WI 53147

Till next time.....73's

## SECRETS OF SUCCESSFUL QSL'ING

BY  
**GERRY L. DEXTER**

The Complete Guide To Reception Reports and  
 QSL Collecting

FOREWORD BY  
 IAN Mc FARLAND

RADIO CANADA INTERNATIONAL



# LOG REPORT

## section A

### 2000 to 4899 kHz

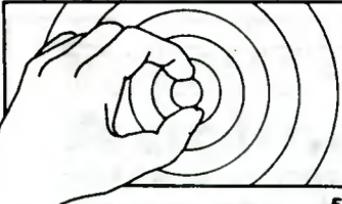
Editor: Mike Harris, P.O. Box 284, Grove City, OH 43123

- 1610 ANGUILLA. Carribean Beacon. 0050-0100. Religious preaching and hymns. Received while driving on a car radio!! 19/10 Eckert-PA)
- 2325 AUSTRALIA. VLET ABC Tennant Creek. 1244-1315. EE. Pop music, ABC news @ 1300, local TC for NT. (22/11 Paszkiewicz-WI)
- 3285 BELIZE. R.B. 0346-0410. EE. Relay of BBC, ID as "This is Belize Radio One", TC then commercial.(4/11 D'Angelo-PA)(11/11 Prath-FL)
- 3335t PAPUA NEW GUINEA. Radio East Sepik. 1147. Vern/Pidgin. Talk by female anncr, ECSS only. (4/12 Rippl)
- 3339.4 PERU. R. Altura. 0304-0342. SS. LA music, TC's.(28/11 Tuchscherer)(8/11 Jordan)
- 3350 GHANA. GBC. 0542. EE/Vern. New Frequency with ID's and pgm as usual.(30/11 Schulze-FRG)
- 3355 NEW CALEDONIA. RFO Noumea. 1255. FF. FF N/A @ 1302 and FF talk.(4/12 Wilkins-CO)
- 3375 BRASIL. R. Ed. Guajara Mirim. 0910. PT. Ad for Casa Primavera. (15/11 Wilkins-CO)
- 3380 ECUADOR. R. Iris. 0130. SS. MX variety, frequent ID's. (11/11 Prath-FL)
- 4039.3 PERU. R. Marginal Tocheche. 0327. SS. Romantic ballads. (12/12 Wilkins-CO)
- 4299.5 PERU. R. Moderna. 0308-0326. SS. LA music and news. (29/11 Tuchscherer)
- 4588 ARGENTINA. R. Rivadavia. 0148-0206. SS. Ballads, big band music, off at 0206. In USP mode. (19/11 Pickard)
- 4712 BOLIVIA. R. Abaroa. 0350-0401. SS. Two love songs, ID. (21/11 D'Angelo-PA)
- 4725t BURMA. BBS Rangoon. 1225-1235. Vern. Vocals by YL, nx @ 1230.(29/11 Paszkiewicz-WI)
- 4728.2 BOLIVIA. R. Santa Ana. 0123. SS. Folk-type music, better after 0130. (15/11 Klein-WI)
- 4750 CAMEROON. R. Bertoua. 0446-0507. FF/EE. Conversation pgm. (15/11 D'Angelo-PA)
- 4760 LIBERIA. ELA. 2208. EE. Relay of VOA news. (3/12 Weiss-OH)
- 4770 NIGERIA. R.N. Yaduna. 0537-0545. EE. ID and talk about roads. (28/11 Kashiwabara-CA)
- 4775 PERU. R. Tarma. 0403-0422. SS. LA ballads and ID's.(27/11 Tuchscherer)
- 4780 COLOMBIA. R. Super. 0555-0607. SS. Full ID and LA music.(30/11 Kashiwabara-CA)
- 4783 MALI. RTVM. 2325-0001. FF. Tribal music and ID's by OM. (12/11 Weiss)(10/11 Tutak-WA)
- 4790 PERU. R. Atlantida. 0145. SS. LA pop music, local news. (10/11 Dickson-OH)
- 4800 LESOTHO. R.L. 0259-0415. Sesotho. Orchestral h/A, S/C and freq anmts. (12/11 D'Angelo-PA)
- 4810 GALAPAGOS. LV de los Galapagos. 0134-0202. SS. "Musica Nacional" and occasional talk by CH. (23/11 D'Angelo-PA)(2/12 Jordan)
- 4815 BRASIL. R. do Tabatinga. 0240-0307. PT. Very good with US pops. (24/11 Tuchscherer)
- BURKINA-FASO. RTVB. 2350-0001. FF. French pops and ID with S/off anmt.(14/11 D'Angelo-PA)
- 4855 BRASIL. R. Forum Mundo Melhor. 0133-0200. PT. MX by "Starship", ballads, jingles, ID' and sound effects. (23/11 Paszkiewicz-WI)
- 4865.7 MOCAMBIQUE. R.M. 0257-0400. Vern. 4 chimes @ 0300, local music,drifting.(29/11 Alexander)
- 4880 SOUTH AFRICA. SABC. 2135-2150. EE. Bob Seger tunes and talk. (20/11 Swaringen-NC)
- 4885 KENYA. VOK. 2033-2113. Vern. Folk music. (28/11 Schulze-FRG)
- 4890 ECUADOR. R. Centinela del Sur. 0403-0410. SS. OM w/ID and S/off anmts.(9/11 D'Angelo-PA)
- SENEGAL. RTVS. 2250-2320. FF. First heard @ 2250 w/tribal mx.(30/11 Weiss-OH), @ 2343 in FF with talk and music.(19/11 Tutak-WA)

\*\*A light turn out this month. As a New Years resolution lets improve the "quality" of our loggings. I dont like to receive nor will I print any more loggings that say only "TX or MX w/YL anncr". Include some detail of the time you have spent logging a station.

\*\*Hope all had a HAPPY NEW YEAR and maybe Christmas brought a new radio to some of you? If so, lets see your results!! 73's until next month. CHEERS!!

*Mike*



# LOG REPORT

## section B

4900 to 6199 kHz

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

Interesting Colombian activity this month; see 5569, 5991, 6015 . . .

- 4900 GUINEA Conakry, in FR at 0645, ID 0647, Afr mx interlude, maybe nx, Maputo mentioned 0649; 11-22 (Swaringen-NC); on 11-10, local talk and mx, maybe nx 2350, guitar instr.mx, rapid drums, two IDs 2358, s/off armts, NA to 0002, plug; poor-fair (Tutak-WA).
- 4905 BRAZIL R. Religio Federal, time signals 0659 11-28, ID; New s/on time?24 hrs?(Schulze).
- 4905 CHINA CPBS, CH talk 2238 11-8, possible ID 2245, gal anncr; over Br.at tune-in, but faded 2257; poor, deep fades; RDI says this is Beijing, //5860 (very poor)(D'Angelo-PA).
- 4910 ZAMBIA Lusaka, eagle IS 0340 11-22, NA 0355, ZBS ID 0358 in EG (Swaringen-NC); \*0345 11-7, NA, ID, into US pops; lang nx 0400; fair sometimes but mostly poor (D'Angelo-PA); IS 0348 11-12, NA, ID as Z.B/Cing Svc, very weak, bad modulation (Fisher-MA).
- 4915 BRAZIL R. Anhanguera, catchy foot-stompin vocals at 0135 11-19, ads, promos, a song in EG, TC (Dickson); PT vocals 0743-0805, TCs, IDs, fair signal 11-25 (Kashiwabara-CA).
- 4915 GHANA Accra, in lang at 2131 on 11-27, high-life mx, usual style, loud (Rippel); in EG at 2240 on 11-21, ID 2300, reading of Koran, into NA to 2304\* (Swaringen-NC).
- 4919.5 PERU R. Central de Bellavista, hrd 1034 on 11-15 with "Amanecer" prgm, slow guitar numbers, ads for Libreria Carmencita and others; hrd to 1119 fade-out (Wilkins-OO).
- 4920 USSR R. Afghanistan relay, //6020; vernac.IDs at 1742 11-27, nx; also hrd 1825 on 11-9 with GM prgm, political rpts, external svc; weaker than 6020, so maybe from Afg?(Schulke)
- 4920 AUSTRALIA ABC-Brisbane, world mx 0805 11-25, ID, fair signal (Kashiwabara-CA); M&W discussing foreign relations at 1240 on 12-3 (Rippel).
- 4920 ECUADOR R. Quitto, LA mx, echo IDs, armts, 0325 11-27, fair signal (Kashiwabara-CA).
- 4930 HAITI Tent. 4VEH, in SP at 2224-2230\* 12-1, religious programming, CA address given, mention of "transmundial," Xmas carol; poor-fair (Bobb-MN).
- 4932 JAVA RRI-Surakarta, hrd at 1459 on 11-25, RRI IS, into Jakarta nx; fair in Indonesian (Wilkins-OO); 1611-1626 11-18, tent. Surakarta, drama prgm in presumed Indonesian, Japanese-type orch mx between segments, poor signal (Tutak-WA).
- 4934 PERU R. Tropical, hrd 1031 11-15, Tarapoto ads, ID, fair signal (Wilkins-OO).
- 4945 COLOMBIA Caracol Neiva, 0225 11-26, ID 0228, Coke ads, promos, pop-style LA mx, strong sig (Dickson); SP pops and Andes mx 0650 11-22, nx and sports 0700, vy good (Weiss-OH).
- 4950 PERU R. Madre de Dios, just fair with LA mx at 0135-0200\* 11-29 (Tuchscherer-WI).
- 4952.5 UNID. Hrd 0104-0121 11-18 in PT, nx, jingles, hi-life type mx, radio "Nacional" seemed mentioned, guitar. Luanda? Didn't seem like Brazil. (Paszkievicz-WI).
- 4954.7 INDONESIA RRI-Banda Aceh, man with recitation at 1117 11-26, Koran or very similar, Islamic and also pop mx; Jakarta nx relay 1200, pos.ID; poor, faded 1215 (Allen-OK).
- 4955 BRAZIL R. Cult. do Campos, 0109 on 11-3, armts, ID, jingles, TC, interview, whistles, shouted "Cultura" (Paszkievicz-WI).
- 4960.5 MALAGASY R. Madagasikara, in vernac.0204-0235 11-24, nice variety of mx, record stuck once, clear ID 0229, then bells; great sig (Allen-OK); opening mx in FR 0214 on 12-5, slow, strange mx (pops) past 0245; strong signal (Wilkins-OO).
- 4965 BRAZIL R. Poti, hrd 0240-0302\* on 11-7, big band swing mx, EZL mx, mostly non-stop, good sig on this and other days, ID as "R. Poti, Natal" (Dickson); hrd 0835 11-16, religious prgram, ID and fays at 0845 plus three time pips (Alexander-PA).
- 4970 VENEZUELA R. Rumbos, hrd 0402 on 11-27 with full ID, sked, YV mx (Kashiwabara-CA);
- 4980 VENEZUELA Ecos del Torbes, "Silent Night" 0219-11-25, ID, TC, LA mx, ads, fair signal (Dillon-MD); 0336-0401\* 11-27, EZL mx, s/off ID with M&W, seemingly state anthem, YV NA, good sig (Kashiwabara-CA); 0340-0400\* 12-4, mx, address, fays, NA, good (Weiss-OH).
- 4990 NIGERIA Lagos, EG 2134 11-11, export talks, ID (Cucura).
- 4996 PERU R. Andina, 0320-0455 11-26, mx, armts, ID, NA, good to 0457\* (Burlew-PA).
- 5004 EQUATORIAL GUINEA Bata, hrd with NA at 0459 tune-in 11-26, ID 0501, into mx, good sig (Burlew-PA); 2130-2202\* 11-23, Afr high-life mx, talk by man, long/slow NA at 2159 (Alexander-PA); 2146 11-11, talk, local mx, ID and NA to 2200\* (Cucura); 5006, hrd 2138-2202\* 12-5, talk on Congo and Chad, SP pops, ballads, NA 2158; excel sig (Weiss-OH).
- 5005 SURINAM Tent. R. Apintie at 0220-0302 11-10, seemed Dutch, mostly classical mx, moderate to heavy static; couldn't get most of the armts (Dickson).
- 5015 USSR Vladivostok, 11-22 at 1558 cutting through Arkhangelsk with man talking, IS, then nx by gal at 1600, fair signal (Harms-FRG).
- 5020 SOLOMON IS. Honiara, 0815 11-30, ID, TCs, PSAs, C&w mx, poor signal (Kashiwabara-CA).
- 5025 CUBA R. Rebelde, typical Cuban mx 0250 11-18, phone calls, ID, fair sig (Kashiwabara-CA).
- 5030 PERU R. Los Andes, 0015-0202\* 11-27, SP pops, ads, IDs, armts, NA (Alexander-PA);

- US and LA pops at 0131 12-5, s/off armt and NA at 0151 (Wilkins-CC).
- 5035 BRAZIL R. Aparecida presumed, 2350 11-21 to 0030, mostly EZL mx, talk, etc; poor (Bobb-MN).
- 5040 VENEZUELA R. Maturin, 0910 11-29, LA mx, ads, IDs, jingles, good sig (Alexander-PA);  
0931 talking by man, IDs, children singing LA songs, fair sig (Bobb-MN); 0335 11-21,  
nx, chimes between items, //4970; Maturin ID 0338, ad, back to Rumbos nx (D'Angelo-PA);  
short talking 0348 11-23, closing anmts, IDs, NA, 0357\* (Tuchscherer-WI).
- 5040 ECUADOR LV del Upano, Andean mx 1119-1134 12-1, mentions of Upano, strong sig (Bobb-MN);  
HC mx 2310 12-3, anmts, ID 2314 (Alexander-PA).
- 5047 TOGO Lome, unlisted EG nx 1950-2000 11-9 ("This nx coming to you from R. Togo"), into  
FR 2003 (Schulze); FR 0549 11-27, Afr mx, anmts, good sig (Kashiwabara-CA).
- 5055 ECUADOR R. Catalica Nacional, chime IS 1025 12-1, IDs, greetings, NA, talk in Quechua,  
then Andean flute mx, good signal (Bobb-MN).
- 5057 ALBANIA Gjirokaster, 2201 11-15, reactivated here, continuous mx to 2230 nx, more mx to  
2254 s/off routine, NA to 2258\*; fair signal (D'Angelo-PA).
- 5060.6 ECUADOR R. Nacl. Progreso, ID, ballads, 0404 on 11-8 (Schulze).
- 5065.2 UNID. SP ballads 0240-0300 11-27, fairly strong, but soft-spoken anncr (Alexander-PA);  
tent. R. Nacl. Progreso here 0155 11-19, LA pops, P-C but can't quite get ID (Dickson).
- 5075 CHINA Presumed CPBS, distinctive CH mx to 2230 11-16, then talk by M&W, maybe nx; TBS/  
WRTH say Beijing, RDI says Urumqi; poor signal (D'Angelo-PA).
- 5095 COLOMBIA R. Sutatenza, 0213 11-30 w/"Cadena Sutatenza" ID, mx, good sig (Kashiwabara-CA).
- 5286 GHAD R. Moundou, vernac. mx 1700 11-5, FR 1729, ID, political talks, 1851\*; also hrd  
at 1640 11-8, early fade-in, "Radiodiffusion Moundou" ID at 1710 (Schulze).
- 5310 UNID. Latin 0420 11-9, sporting events, no breaks, fair but fady; lost 0447 (D'Angelo-PA).
- 5500 WIRIAN RRI Biak, Koran chants 0854 11-30 at Biak sunset, nx 0910, then pop mx; here  
after brief return to 5451 (Wilkins-CC).
- 5569 COLOMBIA R. Nueva Vida, here now, ex-5533, \*1015 11-25 with religious prgmng, "palabra  
de Dios," etc, ID 1050, poor (Allen-OK); couple times arnd 1000-1100, fady (JB).
- 5864 USA "Voice of Communism" pirate, 0601 11-12, seeking rpts to B. Creek address (Swaringen-NC).
- 5885 UNID. Likely Echo of the Masses or RRI-Pekanbaru, 1234-1300 11-23 in unid. lang, talk,  
lots of clas. mx, ID 1300 but too poor to copy; no RRI IS hrd (Paszkiwicz-WI).
- 5945 UZBEK SSR R. Tashkent, EG nx 1201 12-8, cmtry, IDs, fast-vy fast fading; 1228\* (Pickard).
- 5970 BRAZIL R. Itatiaia, fair in PT 0757 11-15, ID, Br. mx (Rigas-IL).
- 5975 ENGLAND BEC WS, F-C w/talk 2247 12-1 (Smith); world nx, press, 0200-0215 11-24 (Dillon-MD).
- 5979.7 MEXICO XEUJ (not Union R), SP relig. prgm with Indiana address at 1457 on 12-7, gal  
with call letters, tech trouble with next prgm at 1500; good signal (Allen-OK).
- 5980 TAIWAN Voice of Asia, 1530-1601 11-12, EG nx, cmtry, IDs, "X Gallery," fair (Tutak-WA).
- 5985 BOLIVIA R. San Jose, "Transmite R. S.J." ID 0930 11-20, informativos; fair (Allen-OK).
- 5990 JAPAN Tokyo, "What's On R. Japan" fair 0751 11-16, over co-ch. RM IS (Kashiwabara-CA).
- 5991.5 COLOMBIA New HJ, LV del Ariari, Granada, the one listed on 1290 MW. Hrd at \*1103 on  
12-14, ID, NA, pretty good with "La Hora Musical." Only anncd MW (Allen-OK); on Kirk's  
tip, hrd several times, usually s/on arnd 1003, sometimes 1015, 1040; good sig (JB).
- 6000 BRAZIL R. Guaiba, 0853 12-2, talk, "Somewhere My Love," IDs, fair with het (Bobb-MN).
- 6015 BOLIVIA R. El Mundo, carrier on \*950 12-11, good IDs, pips 100, oblit. by KGEI (Allen-OK).
- 6015.1 COLOMBIA HJON, R. Universidad (de Marino), 1117-1200 12-10, vocal mx, 1125 ID sounded  
like R.Un.de Marino, 1190, Caracol; no mention of M&ra; poor, lost to Nic 1200 (Allen-OK).
- 6020 MEXICO XEUW, 0420 11-8, jingle, ID, TC, talk, ad string 0427, talk to VOA s/on at  
0430; also 11-9 with "La U" ID and instr. mx at 0423 (D'Angelo-PA).
- 6020 HOLLAND RN, EG 0230 11-22, World Nx, Nxlne, Friday Rpt, mx; fair sig (Dillon-MD).
- 6030 FRG Sueddeutscher Rdfnk, ID 0711 11-17, harp chords, TC 0730, pops (Allen-OK).
- 6031 BRAZIL R. Globo, 0625 11-16, ads, jingles, ID, anmts, Br. pops, DJ chatter (Alexander-PA).
- 6040 ANTIGUA DW relay, EG 0100-0150 11-25, World Nx, Micr on Eur, press, sports; fair (Dillon).
- 6040 BOLIVIA R. Cl. Paranaense, ID 0827, pops, ads, TCs, 11-19 (Wilkins-CC).
- 6045 COLOMBIA R. Melodia, 0040 11-14, two IDs, much fast talk, hvy DW QRM from 6040 0056; poor  
(D'Angelo-PA); 0635-0705 11-23, pops, DJ, IDs, TCs, weak but in the clear (Weiss-CH).
- 6055 CZECHOSLOVAKIA R. Prague, EG 2130 11-22, IS, nx, mx prgm, fair-good (Purdue-MN).
- 6055 FR. GUIANA RFI-Montainery, EG 0420 11-25, press, nx, cmtry, FR at 0430 (Ponder).
- 6065 JAPAN R. Jpan, seemingly EG 0856 11-30, ID, into another lang (Schanke).
- 6070 CANADA CFRX-Toronto, 0114 11-11 with A&P ads, phone-in program, fair sig (Tutak-WA).
- 6080 BOLIVIA R. San Gabriel, Andean-style mx 0643 11-15, man anncr, mixing with RA which  
took over after 0900 (Wilkins-CC).
- 6085 FRG Bayerischer Rdfnk, pops 0635, ads, ID 0700, comedy about Reagan; fair (Allen-OK).
- 6115 JAPAN NSB, Japanese 0650 11-10, ID, stocks, nx, fair, Mex co-ch. QRM (Kashiwabara-CA).
- 6120 BRAZIL R. Globo, 0815 on 11-27 with ID, ads, Br. mx, anmts by M&W (Alexander-PA).
- 6120 CANADA BBC relay, EG world nx 0200 11-25, press, Network UK; fair (Dillon-MD).
- 6125 GDR RBI, EG \*2145-2227\*, nx, mailbag (w/birthday wishes to John Kapinos!); 12-7 (Weiss-CH).
- 6135 SWITZERLAND SRI, good 0110 11-10, polkas, vocals, GM (Bonnet-IN).
- 6155 AUSTRIA Vienna, EG 0330-0356 11-26, nx, UN nx, headlines, fair sig (Dillon-MD).
- 6162 NICARAGUA R. Sandino, Christian prgm 0928 12-4, Xmas mx, ID 0954, good (Allen-OK).
- 6165 NETH. ANTILLES RN-Bonaire, EG nx 0230 12-6 (Smith); Nxlne 0230 11-21 (Bonnet-IN).
- 6175 ANTIGUA BBC relay, mx, jazz, piano, all EG, 2034-2100 on 11-22 (Bonnet-IN); 0200 11-22,  
nx, press, Network UK (Dillon-MD); good at 0316 on 12-6 (Schanke).
- 6185 UNID. 0010-0102\*, SP/EG EZL mx, name of orch at 0101, abrupt s/off, good 11-21 (Weiss-CH)
- 6190 LESOTHO BBC relay, EG nx 2010, ID, "24 Hrs" on Iran, 11-11 (Cucura). ++See you in Feb.



# LOG REPORT

## section C

**6200 to 11699 kHz**

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

Happy New Year! Hope everybody had a safe and joyous holiday. I've been receiving a few nice letters lately and I thank you for your comments. Many thanks to Bob Hill for the fine job he did last month while I was on vacation.

- 6015 NICARAGUA L. V. de Nicaragua 0340-0400 EG. Reports on the Congress of L.A., political parties in Argentina. Reagan scandal, LA mx. (Dickson-OH 11/28)
- 6090 CUBA R. Havana 0150\* EG, Talk about homeless/hunger in the US. Cuban mx, excellent. (Dickson-OH 12/1)
- 6245 DOMINICAN REPUBLIC R. Discovery 0212-0230 EG/SP, Latin mx. EG ID and address. (Tuchscherer-WI 12/3)
- 6249.5 EQ. GUINEA R. Nac. Malabo 2125-2202\* SP, local African mx. ID at 2129, tlk by OM. NA at 2200. (Alexander-PA 11/23)
- 6264.4 CLAND. R. Quince de Sept. 0503-0517 SP, tlk w/applause, many mentions of Soviets, Nic, etc. (Paszkiwicz 11/29)
- 6400 KOREA R. Pyongyang, Still here despite official rpt. they moved to 6020. Tlk about leader Kim Chong-il, ID by YL at 2148. Good at times. (Harms 11/23)
- 6791 PERU R. Sensacion 0030 SP, OM read dedications, s/off ancmt at 0051, instrumental NA. Good sig. (Wilkins-CO 12/12) (editor note- recieved many reports on this one with the freqs varying between 6790.6 to 6791.7, w/dates from 11/26 thru 12/12, times from 0030 thru 0300\*.....jf)
- 6815.6 PERU R. Universo 0221-0240\* SP, Mostly Huaynos w/ID at close, closing are irreg. EG 0217 on 11/26, and at 0148 on 11/28. (Tuchscherer 11/29)
- 7100 PAKISTAN R. Pakistan Islamabad 7727, EG, book review. ID as "World Service of R. Pakistan". Address was given as Radio Pakistan, Box 1393, Islamasbad Pakistan. (Schulze-W.Ger 11/2)
- 7065 ALBANIA R. Tirana \*0230-0257\* EG, IS and intro anthem, ID's, OM into nx program w/commentary. (Jordan 11/16)
- 7115 BULGARIA R. Moscow relay 0200\* EG, Tlk about anniversary of Oct. rev., S. Africa, S. Korea unrest. (Dickson 11/7)
- 7150 USSR R. Moscow 1812 EG, Wld Svc., nx pgm w/tlk about US and SALT II, good sig. (Schanke 11/29)
- 7165 UKRAINE R. Kiev 0315-0330 EG, OM w/tlk on US/USSR Iceland post mortim. anti-nuke policy. Report on youth organization. 7165 only freq. audible. (Jordan 11/13)
- 7205 DODECANESE VOA-Rhodes 2100-2124 EG, TC, ID, nx, "Weekend", Poor sig w/ARO (Paszkiwicz 11/22)
- 7240 YUGOSLAVIA R. Yugoslavia \*2215-2230\* EG, Nx and wx by woman. OM w/"Tips for Tourists". (Weiss-OH 10/11)
- 7245t ANGOLA R. Nac., 0240-0252\* PT, Tent. on this one. Hrd OM with poss. wld nx. Hrd "R. Nac....", poor (Jordan 11/13)
- 7255 BOTSWANA R. Botswana \*0355-0438 EG, cow/rooster IS into ID w/sked. Mx w/EG PSA between songs. (Kashiwabara-CA 11/28)

- 7255 NIGERIA V. of Nigeria \*0455-0510 EG, Drum IS into anthem. ID w/sked, USA and mx, good sig. (Kashiwabara-CA 11/27)
- 7285 GERMANY D. Welle \*2030-2115 Czech, IS, ID, OM into nat. and wld nx. into commentary. (Jordan 11/15)
- 7295 PAKISTAN R. Pakistan 1210-1231 EG, new freq.? ID and cmtry on Reykjavik and effects on Asia. mx. (Paskiewicz 11/24)
- 7355 PIRATE R. Clandestine 1906-1954\* EG, Fair w/ID's, comedy mx, R.F. Burns the DJ, great pgm. (Rigas-IL 11/27)
- 7400 USA R. Earth via WHRI 0258-0400 EG, WHRI ID, R. Earth ID, SW Pandamonium. Ads. (Dillon-MD 11/23)
- 7410 ISRAEL Kol Israel 0505 EG, World nx to 0510 followed by local nx, teachers strike. (Jones 11/15)
- 7445 TAIWAN V. of Asia 1105-1200 EG, Rock mx, IS (Swarington 11/22)
- 7465 ISRAEL Kol Israel 2005-2030 EG, Singapore are friends, nx, cmtry on prisoners. Soviet nx. (Bonnet-IN 11/18)
- 7470 CLAND. R. Caiman 0234-0302 SP, pgm "Hit Parade with Christina Camayo", "Problem of World Socialism". (Ponder 11/27)
- 7600 ECUADOR HD210A. Guayaquil 0334-0406 SP, Time pips to voice ancnt by OM w/ID. (D'Angelo-PA 11/22)
- 7600 ECUADOR HD210A 2358-0100 SP, Time pips w/anmnt every minute, ID :59, UTE QRM. (Paszkievicz 11/27)
- 8515.1 PERU R. Amistad 0230 SP, non-descipt vocals, "Happy Bithday" song. Poor w/UTE QRM. (Wilkins-CO 12/6)
- 8929.3 PERU R. Contintente 0103 SS, Rapid speaking OM ancr. LA mx, audible at 0137 recheck. (Klein 11/16)
- 9022 IRAN R. Iran 0312 Lang. ?, YL ancr. nx? (Schanke 12/6)
- 9455 USA WMLK 0416-0436 EG, Poorly mod. sig, Elder Meyer with promo for "Sacred Name Broadcaster" magazine. Program of scripture readings, nx/cmtry. Also noted next day at 1754-1812 on same freq. No more tests, reg. xmsn. (D'Angelo 11/10)
- 9505 AUSTRALIA R. Australia 2055, IS s/on w/ID. Indonesian px with time pips. (Schultz-W. Ger. 11/6)
- 9505 BRAZIL R. Record 2317 PT, futebol, poor w/QRM (Wilkins 12/4)
- 9509.4 PERU R. America 1227 SP, OM w/nx, frequent TC's, best on LSE to avoid 9510 QRM. (Wilkins-CO 11/27)
- 9515 UNITED KINGDOM BBC 0315 EG, Big Ben IS, world service, ID by OM, very good sig. (Schanke 12/6)
- 9540 MADAGASCAR R. Netherland relay 2100-2124 EG, program "Dutch Diary" and s/off at 2124. (Ponder 11/26)
- 9545 SOLOMON ISLANDS SIBC 0556-0607 EG, ID into BBC wld svc. nx, fair signal. (Kashiwabara-CA 11/17)
- 9550 SWAZILAND TWR 1925, pgm in French, strong sig. (Schulze 11/15)
- 9550t CHILE R. System National 0005-0200 SP, hrd futebol match w/OM ancr and play by play, over at 0100, tlk program with interviews, mentioned Chile, poss. ID. (Jordan 11/23)
- 9565 BRAZIL R. Universo 2334 PT, here now, ex-9545. List of the upcoming gospel shows. (Wilkins-CO 12/3)
- 9570 CHINA R. Beijing 1700 EG, ID in EG by OM with YL in another language. Poor sig. (Schanke 11/29)
- 9580 AUSTRALIA R. Australia 1300-1310 EG, nx, ID, mx (Dillon-MD 11/15)
- 9580 AUSTRALIA R. Australia 1430-1450 EG, Australian nx into pgm "Short Story". (Weiss-OH 11/16)
- 9585 BRAZIL R. Excelsior 2340 PT, futebol w/play by play. ID's. Stn hrd only during important matches. (Wilkins-CO 12/3)
- 9585 USA V. of Free China via WYFR relay 0232-0300 EG, mx pgm and Chinese lang. lesson #31, more mx. (Bonnet-IN 11/15)
- 9590 BONAIRE R. Netherland relay 0233-0322\* EG, M + W ancrs, nx line with commentary. (Bonnet-IN 11/24)
- 9595 URUGUAY R. Monte Carlo 0203 SP, yet another Monte Carlo, ID'S and ancnts. mx w/fade at 0250. (Paszkievicz 11/8)

9610 AUSTRALIA ABC VLW9 Wanneroo 0841-0907 EG, sports nx, horse  
 race, TC, fair sig. (Kashiwabara-CA 11/22)

9610 AUSTRALIA Wanneroo per 86 WRTH 1216-1300 EG, Some QRN with  
 pop mx program. (Bonnet-IN 11/24)

9615 S. AFRICA RSA 0200-0255 EG, ID w/African nx, "Box 4559", Sat.  
 Night RSA, nx in brief. (Dillon-MD 11/23)

9645 BRAZIL R. Bandeirantes 0841-0903 PT, ID's, echo ancmts, TC's,  
 cats meowing, fair sig. (Kashiwabara-CA 11/28)

9650 USA VOA 2345-0110 EG, M+W ancrs w/nx cmtry. (Bonnet-IN 11/22)

9655 EGYPT R. Cairo 2045-2105 EG, OM, YL ancrs w/tlk about Egypt.  
 Appeared to be letter box pgm. ID into mx. (Jordan 11/22)

9660 TURKEY V. of Turkey 1815-1905 TK, Turkish mx, ID at 1900.  
 with R. Rumbos in background. (Swarington-NC 11/21)

9684 TANZANIA R. Tanzania 1910 EG, nx ID as "This is the External  
 Service of R. Tanzania", NA w/choir. (Schulze-W.Ger. 11/28)

9690 ARGENTINA RAE 0103-0155 EG, Argentine mx, sports, rock and  
 roll mx, good show, cultural bulletin. (Dillon-MD 11/23)

9705 MEXICO RMI 0145\* SP, full ID at 0158, TC's with LA music with  
 classical, tango, Bolero. (Dickson 11/9)

9720 MALTA IBRA Radio 0659, IS, Eg ID, following program in East  
 European lang. (Schulze-W.Ger. 11/16)

9751 TAHITI RFO Papeete 0605-0614 lang.?, island vocals with a  
 talk by a woman. //11825 (Paszkievicz 11/8)

9755 CANADA RCI 0305-0330 EG, "As It Happens", CBC ID at 0329, ID  
 as RCI. //5960, V. good sig. (Dillon-MD 11/26)

9760 KUWAIT R. Kuwait 1700-1825 AR, anct w/EG ID at 1700 but into  
 AR after. ID as per 86 WRTH "Huna Al Kuwait", have not  
 found this listed. (Jordan 11/23)

9775 USA VOA 0145-0230 EG, Commentary w/features on iron ore in  
 Brazil, ice age, Iran. (Bonnet-IN 11/17)

9780 YEMEN R. San'a 1930-2010 AR, AR mx, OM w/tlk @ 2000 (Jordan 11/8)

9800 FRANCE RFI 0300-0400 EG+FR, nx items, EG to 0330 (Bonnet 11/17)

9885 SWITZERLAND Swiss Radio International 0205-0230 EG, tlk abt  
 polluted Rhine, trade talks. (Bonnet-IN 11/17)

9910 INDIA AIR 2145-2205 EG, ancmt about nx at 2200, ID as "This  
 is all India Radio" //7412 not good. (Swarington-NC 11/20)

9950 SYRIA R. Damascus 2145-2203\* EG, 2145 AR mx into nx on Workers  
 Trade Union, ID at 2203 w/NA. (Swarington-NC 11/19)

10040 VIETNAM V. of Vietnam 1900-1905 EG, NA, ID, sked, nx by YL.  
 Hrd WBZ w/other E.Coast AM's at this time. (Paszkievicz 11/22)

10059 VIETNAM V. of Vietnam 1236 VT, classical mx to 1300 then into  
 talks and music. Fair sig. (Wilkins-CO 11/27)

11635 CLAND. La Voz del Cid 2052 SP, NOT R. Camilo Cienfuegos, but  
 another stn, missed ID. US/Costa Rica address. (Weiss-OH 11/18)

11660 BELGIUM RTBF 1727-1815 FR, IS at 1729, ID, program of French  
 vocals, time pips at 1800 w/nx. (D'Angelo-PA 11/15)

11675 KUWAIT R. Kuwait 1805-1920 EG, mx pgm, ID, nx (Jordan 11/24)

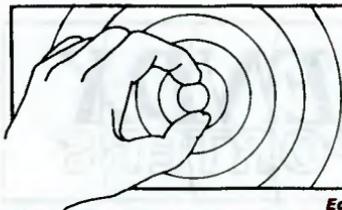
11699.4 D. REPUBLIC R. Clarin 2239 SS, Discussion of US/Puerto Rico  
 relations, ads., bad sig. (Klein 11/22)

11699.6 D. REPUBLIC R. Clarin 1700 SP, Pgm "Linea Directa", nx, foll.  
 by "Dicenos Marti" at 1706. (Wilkins-CO 12/3)

11795 CUBA R. Havana 1830\* EG, nx, cmtry. (Schanke 11/29)

11815 LIBYA R. Jamahiriya 2200-2245 EG, ID, IS, tlk on US Pentagon  
 into "The Green Book", strong sig. (Purdue-MN 11/02)

Some good loggings to start off the new year with. Down some from the  
 usual amount. Send in those loggings! Till next month.....



# LOG REPORT

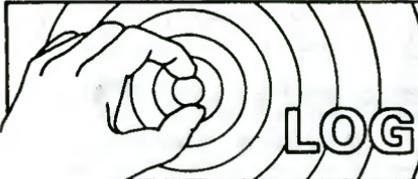
## section D

### 11700 and above

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

- 11720 SEYCHELLES FEBA in vernacular, IS, ID, mx w/harmonics (Schulze, W. GERM 11/10)
- 11734 TANZANIA RT Zanzibar in SH 1613-1715, nx, ID, drum IS, f (Paszkiwicz WI 11/22)  
hrd also w/vocals, ID 1700, TC, nx from Dar es Salaam, g (Rigas IL 11/28)
- 11735 NORTH KOREA R. Pyongyang in EG 2315, nx, ID, interview, f (D'Angelo PA 11/22)  
political harangue 2315 in EG (Tilbury AK 11/8) nx & cmtry in EG 2300 (Bobb MN)
- 11750 IRAQ R. Baghdad in EG 0121-0136, cmntry, AR instr mx, p (Kashiwabara CA 11/20)
- 11770 MEXICO RMI Mexico City in SP 1657\*, ID and NA, f (WCT WA 11/28) ED: First time  
hrd on this channel in five years.
- 11770 NIGERIA VON in EG/FR 1700, log drums ID, sked in EG, nx in FR, f (Tutak WA 11/13)
- 11790 IRAQ V. of Iraq in EG/AR 1142, talk about Islam (Schulze W. GER. 10/26)
- 11795nf CUBA RHC in FR 2140, ID and NA, exc (WCT WA 11/13)
- 11805 USA VOFV via WYFR in CH 1950, talk, g-exc (Smith 11/29)
- 11805 UNIDENTIFIED Pgm in EG 1616-1640, tlk re world religs, very pro-Islamic, into  
Lang 1642, p -- UAE or what? (Kashiwabara CA 11/16) ED: Anyone know this one?
- 11852nf VENEZUELA R. Nacional in SP 1946-2005, pop mx, oldies, ID's, nx (Paszkiwicz WI)  
tourist promo 2202 (Rigas IL) //5020 at 0020-0103 (Alexander PA) 0355-0425 w/SP  
pops, American blues, ID's, TC after each song, exc (Weiss OH 11/23)
- 11900 ECUADOR HCJB in Quechua 2218-2235, Andean folk songs, ID 2230 (Dillon MD 11/22)
- 11935 INDIA AIR in RS 1710, political rpts, jamming at 1718 broke sig (Schulze W. GER.)
- 12050 EGYPT R. Cairo in AR 1854-1941, ID, mx, pgm "In Egypt Today", f (Dillon MD 11/22)
- 15084 IRAN VOIRI in EG 1116-1129, sked for EG pgms, chants, nx (Tilbury AK 11/12)
- 15095 ISRAEL Kol Israel in EG 1115, local & world nx, wx, ID, sci pgm, g (Tilbury AK)
- 15140 NORTH KOREA R. Pyongyang in EG 0002, nx, co-channel mix w/Chile (Kashiwabara CA)
- 15140 CHILE R. Sistema Nac. in SP 2128-2143, full ID 2130, anrmts (Ponder 11/26)
- 15150 NEW ZEALAND RNZ in EG 1904-1935, nx, tlks on econ matters (Tilbury AK 11/20)
- 15190 BRAZIL R. Inconfidencia in PT 2235-2305, tlks, ads, ID's, pop mx (Tilbury AK)
- 15250 ROMANIA R. Bucharest in EG 1305, nx, cmntry, //9690, 11940 (Prath FL 11/22)
- 15260 ASCENSION IS. BBC relay in EG 2115-2200, soccer review, p modul. (Weiss OH 12/11)
- 15295nf USA WINB Red Lion, Pa. in EG 1900, ID, syndicated relig pgm, f (Harms 11/16)
- 15395nf ICELAND ISBS in Icelandic 1905-1943\*, tlks, interview, many mentions of Reykjavik  
spotty recep till 1920, ID 1922, freq given 1929, class mx, f-p (Jordan PA 11/22)  
ED: Jordan says xsmn aimed at US and Canada. Nice catch!!)
- 15445 PHILIPPINE IS. FEBC in EG 2259 s/on, IS on piano, ID's, mx pgm (Tilbury AK 11/28)
- 15460nf FRANCE RFI in FR 1430-1530+, sports event, tlks, hrd R. France mentioned 3 times,  
full ID on the hr, g (Jordan PA 11/15) ED: Anyone else catch RFI here?
- 15525 BANGLADESH RD in EG 1230, ID at 1230, world nx, f (Fisher MA 11/11, Cucura 11/12)
- 15540 BELGIUM RTBF in FR 1555-1605, xylophone IS, nx, f (Bobb MN 11/24) ED: WRTH 1986  
indicates that RTBF is the FR lang network but doesn't show any SW outlets. Has  
anyone else picked up this one yet?
- 15590 BELGIUM BRT in EG \*1330, political tlks, s/on FR \*1400, nx, mx (Jordan PA 11/7)
- 15615 ISRAEL Kol Israel in HB 0958-1035, orch mx, nx, oldies, exc (Tilbury AK 11/12)
- 17605 NETHERLANDS RN in FR 1245-1310, FR pops, musical ID, f (Dillon MD 11/22)
- 17740 CYPRUS(t) BBC relay in lang. 1440-1455, tlks, seemed to be remotes w/cut-ins,  
possible ID in EG 1455 but signal very poor (Jordan PA 11/23)
- 17775nf USA KVOH Voice of Hope, Simi Valley CA widely rptd in EG and some SP between  
1625-2225, relig tlks, QTH (D'Angelo PA, Kashiwabara CA, Jordan PA, Alexander PA,  
Weiss OH, Paskiewicz WI, Ponder, Klein)
- 17775 UNITED ARAB EMIRATES R. Dubai in EG 1036-1055, nx, wx, "Moslem Lore and Modern  
Society" re Moslem justice, into AR 1055, g (Tilbury AK 11/12)
- 17795 AUSTRALIA RA in EG 0030, nx about Australia (Jones TX, 11/12)
- 17865 UNITED ARAB EMIRATES R. Dubai in EG 1330-1405, mid-East and world nx, live rpt  
from chess Olympiad in Dubai, ID, mailbag, into AR 1405, g (Dillon MD 11/23)
- 17875 SEYCHELLES FEBA in AR 1058-1102, IS "What a Friend We Have in Jesus" (Tilbury AK)
- 21505 CZECHOSLOVAKIA R. Prague \*1430 in EG, IS, ID, nx, p (Jordan PA 11/23)
- 21685 NETHERLANDS ANTILLES RN in FR 2025\*, ID, QTH, g (Bobb MN 11/15) also in FR 1932  
nx, mx bridge, FR pops, interviews (Jordan PA 11/15) in EG 1839 (Schanke 11/29)
- 21745 WEST GERMANY R. Free Europe in EG 1630-1705, long tlks, short US pop mx breaks,  
into poss new lang at 1700, g (Weiss OH 11/16)

\*\*\*\*\*  
Happy New Year and Good DX'ing to all faithful contributors.



# FRENDX LOG REPORTERS

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

FRENDX CONTRIBUTORS LIST \*\*\*\* JANUARY 1987 ISSUE \*\*\*\* DEADLINE 12th of MONTH

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\*\*\*\*\*

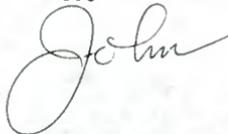
There we are for the start of a whole new year in this section of FRENDX my friends.

I would like to thank all of you who have helped us through the year just past, and sincerely look forward to your continued support of this and other columns of FRENDX for the year 1987. It has been a real pleasure for the most part.

As usual, I'd like to once again, ask you to PLEASE, cut those loggings up into useable strips, and PLEASE use the standard NASWA Log Sheets for all of your loggings. It really helps to make them clear and understandable folks, the editors use all that they can, however some of the entries are pretty bad to read and I can't blame any editor for by-passing those types of loggings. So lets all try to make their job a whole lot easier during 1987.

With nothing more to say, other than to again thank you all for your kind support and letters through out 1986. I am sure that 1987 will be better.

Happy New Year !



THE 1987 NORTH AMERICAN DX CHAMPIONSHIPS  
(NADXC) SPONSORED BY NUMERO UNO

ELIGIBILITY

The 1987 DX Championship is open to all DXers residing in North America (as defined by the country list of the North American Shortwave Association (NASWA)). Members of the NADXC Administrative Committee and the judges are excluded from participation.

LISTENING PERIOD

The contest listening period will commence at 0000 UTC on March 14, (Friday evening local time) and end at 0000 UTC on March 16 (Sunday evening local time). The DXer can choose any continuous or noncontinuous 24 hours within the contest listening period. Any portion of a one-hour period counts as a full hour, therefore the period 2150 to 2210 UTC counts as two hours. Contestants should submit a summary of time periods listened.

PRIZES

Trophies will be awarded to the Top 3 finishers in the DX Championships. All entrants will receive a participation certificate indicating that they competed in the 1987 North American DX Championship. The certificates for the Top 20 will have their place of finish in the DX Championships indicated on their certificates by Numero Uno's resident artistic designer-John Herkimer.

SCORING

Contestants are to log as many stations as possible from as many countries as possible within the prescribed listening period. A station is a shortwave broadcaster whose transmissions are intended for reception by the general public. Each transmitter site of a broadcasting organization will count as a separate station. Different services of the same broadcast organization do not count as separate stations. Transmissions of a single broadcast organization on various frequencies may only be counted once. The use of multiple frequencies does not create as many new stations as frequencies used. For country counting and station counting purposes, the country list of the North American Shortwave Association (45 Wildflower Road, Levittown, PA 19057) will be the sole criterion.

The 1987 NADXC will utilize the 31-49-60 meter bands. These bands are defined for contest purposes as follows:

31 meter band = 9.4 to 10.0 MHZ  
49 meter band = 5.9 to 6.3 MHZ  
60 meter band = 4.7 to 5.2 MHZ

Participants are required to submit a running log to include country, station, frequency, time, date, SINPO, and the basis of station identification (i.e. spoken ID, interval signal, language, program, known // frequency checked, etc.)

- Points: The first station logged from each country = 5 points. Each additional station from that country = 1 point.
- Bonus: Ten stations from one country earns 10 bonus points.
- Bonus: The "Continental Achievements" provides an opportunity to earn additional points for significant country accumulations.

<u>Continent</u>	<u>Number of Countries</u>	<u>Bonus Points</u>
Africa	25	50
Asia	25	50
Europe	25	50
North America	12	25
South America	10	20
Oceania	8	20

For contest purposes, all clandestine stations and hobby pirate transmissions will be considered one "country". The clandestine/pirate "country" will not count for the "Continental Achievements". Although Antarctica counts for country counting purposes, it will not count for the "Continental Achievements".

Each contestant is required to total his own entry and provide a summary of the number of countries, stations, and continents claimed to support the point totals. Logs will be judged on accuracy, completeness and neatness. If the judges cannot read a log, that log will not be counted for scoring purposes. The decision of the judges is final.

#### FEES

A small administrative fee of \$2.00 plus a business size SASE must be provided for each contest entry. All entries must be postmarked by Monday, March 30, 1986 and sent to:

Kent Corson  
4015 Tanglefoot Terrace  
Bettendorf, IA 52722  
USA

Results of the contest should be available in July. Notification of the winners will be sent to each of the ANARC member clubs for publication.

GOOD LUCK from the 1987 NADXC Administrative Committee-Kent Corson, Richard D'Angelo, Gerry Dexter and Bob Hill.

# Tiare Publications

NEWS

P.O. Box 493 • Lake Geneva, WI 53147

The first 100 countries logged represent an important milestone in the career of any DX'er - whether on the shortwave broadcast bands, the utilities, hams or medium wave.

Tiare Publications has organized the Tiare Century Club to recognize all of those who have reached this 100 country level.

Upon application and checking of submitted logs, Tiare will issue a distinctive, 11 by 14 inch Century Club Certificate - a beautiful addition to any shack wall.

Logs should include the country, station name, frequency, date, time (in UTC) and a description of the content or type of transmission heard.

Logs should contain only SWBC or only utility or only ham stations, etc., i.e. they should not be mixed. Applications for certificates covering reception of 100 countries in more than one type of transmission (SWBC, ham, ute, medium wave) will be accepted separately.

There is a \$10 fee for each certificate applied for. Logs, the fee (in US funds only) and complete name and address of the applicant should be sent to:

Century Club  
Tiare Publications  
P.O. Box 493  
Lake Geneva, WI 53147

Please allow 4 weeks for delivery. Certificates will be mailed flat, via first class mail.

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The French edition of Language Lab has been translated by Yvan Paquette, VE2IB, former president of the Clube Ondes Courtes du Quebec.

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Lake Geneva, WI 53147

Thanks to Dan Robertson for a tip on an undocumented feature of the NRD-525. Sometime this past summer, J&C modified the RUN button to toggle the main tuning knob between a rate of 2 kHz and 20 kHz per revolution. It also affects the frequency stepping increments of the UP and DOWN arrow keys. This was in response to the initial criticism that the tuning rate was too slow. Four weeks later, Media Network announced this change and said that on the latest units shipped, the word "improved" has been added to the J&C label. The manual should reflect this addition. If you bought an NRD-525 in the last few months, check it out. My unit, shipped in late August, has the improvement... but no label change.

Other notes: Radio Tirana sent along a program schedule in early December listing times, target areas, and meter bands... but no exact frequencies. The fit between what I received and the frequency information in Hauser's column last month matches up well, based upon what I have checked so far. Some listings have been dropped because I cannot determine by listening if the schedules are still good. This includes Iraq and Nigeria on 15120 kHz. There is nothing on that frequency from 1900 UTC on... until the VOA signs on at 2130 UTC with Creole to the Caribbean. Where did Iraq and Nigeria move to? SCDX recently reported that Belgium changed from 5910 to 5900 for its 0030 UTC broadcast and RAI, Italy, retimed its English from 0100-20 to 0120-40, but on December 25 Belgium is still on 5910 and RAI still runs English at 0100 UTC. I found DX shows from Argentina on Thursdays and Fridays; they are now included in the list.

I wonder how many of you noticed Radio Havana on the morning of November 18th tearing up 31m. At 1200 I was trying to listen to Radio Beijing on 9535 kHz, and severe interference around 9533 kHz limited reception. I finally traced it to Havana on 9550, radiating spurs plus-and-minus 17 kHz.

Jonathan Marks of Radio Nederland interviewed Jeff White of Radio Discovery, Santo Domingo, on November 27's Media Network. Jeff indicated Radio Discovery was considering a new schedule effective December 2: 0000-0400 Tue-Sat on 6245 kHz, 1800-2400 Sat-Sun on 15045 kHz with programming in both English and Spanish. Transmitter power is 1 kw. I haven't heard it yet...

I have put up a BBS and you are welcome to use it. The board supports public and private messaging and conferencing. The first time caller can read bulletins, read and write messages, list files available for download, and upload files. For now, downloading files and joining conferences are only permitted after the security level is changed, usually within 24 hours. Leave a Comment to request the security level change. Aside from text files, the BBS's files are oriented to the IBM PC, compatibles and clones.

If you would like to arrange a schedule on HF, I am back in operation on the low bands. Drop me a note electronically or via the USPO.

Thomas R. Sundstrom	:	The SOURCE:	BCFB11
PO Box 2275	:	Comuserve:	(send via MCI Mail)
Vincentown	:	MCI Mail:	244-6376
NJ 08088-2275	:	Packet Radio:	W21Q @ WB2MNF
	:	Pinelands RBBS:	609-859-1910 (1200/300 8N1)

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12/25/84

All records included

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time  
Compiled by Thomas R. Sandstrom, #219

Start Time (UTC)	End Time (UTC)	Country	Station	Freq 81	Freq 82	Freq 83	Freq 84	Freq 85	Freq 86	Freq 87	Freq 88	Target Area	Notes	Record Last Updated
0000	0100	Bulgaria	R Sofia	11720	6070							MA+Eu		10/31/84
0000	0130	Canada	R Canada Int 1	9755	5960							NA	10/21/84	11/12/84
0000	0100	China	R Beijing	15445								EMA	09/04/84	09/04/84
0000	0200	Cuba	R Havana	9740	6090							Americas	09/13/84	09/13/84
0000	0030	Israel	kol Israel	9435	7465	5885						NA	09/08/84	09/08/84
0000	0100	North Korea	R Pyongyang	15150	13770	11080						NA	05/13/84	05/13/84
0000	0030	Norway	R Norway	9605	6035							SA	10/13/84	10/13/84
0000	0100	South Korea	R Korea	15575								NA	06/07/84	06/07/84
0000	0100	Spain	Sp Foreign Radio	9630	6125							NA	09/04/84	09/04/84
0000	0400	USA	WRNO	7355								SA+NA	10/21/84	10/21/84
0030	0155	Belgium	BR1	9925	5910							EMA	08/28/84	08/28/84
0030	0100	Portugal	R Portugal	9680								NA	10/21/84	10/21/84
0030	0100	USSR	R Kiev	11860	11790	6765	7165	6025	6020			NA	11/21/84	11/21/84
0045	0355	New Zealand	R New Zealand Int 1	17705	15150							Pac+As	06/04/84	06/04/84
0050	0110	Vatican State	vatican Radio	11845	9605	6015						NA	09/02/85	09/02/85
0100	0200	Argentina	RAE	11710	9690							Americas	09/02/85	09/02/85
0100	0200	Australia	R Australia	17795	17750	17715	15395	15320	15240	15180	15160	As/Pac/Pan/Am		09/22/84
0100	0130	Canada	R Canada Int 1	11940	11845	9535						LA	11/12/84	11/12/84
0100	0157	Czechoslovakia	R Prague	11990	9740	7345	6055	6015	5930			NA	09/13/84	09/13/84
0100	0200	Ecuador	HCBJ	15155	9870							NA	09/07/84	09/07/84
0100	0150	Fed Rep Germany	R Deutsche Welle	11785	9565	9545	8145	6085	6040			EMA	09/04/84	09/04/84
0100	0130	Israel	kol Israel	9435	7465	5885						NA	12/25/84	12/25/84
0100	0120	Italy	RMI	9575	5990							NA	11/15/84	11/15/84
0100	0130	Japan	R Japan	17845	17810	15350	15235	11840				60S-Asia	09/04/84	09/04/84
0100	0200	Spain	Sp Foreign Radio	9630	6125							NA	09/04/84	09/04/84

0100	0300	USA	WHRI	9690						SA/Carib		11/07/86	
0101	0200	Canada	R Canada Int'l	9755	5960					NA	Sun-Mon	11/15/86	
0115	0200	German Dem Rep	R Berlin Int'l	9730	6080					EMA		08/19/86	
0130	0200	Austria	ORF	6155						NA		09/13/86	
0130	0138	Greece	V of Greece	9420	7435	7395				NA	Eng news	11/16/86	
0200	0300	Australia	R Australia	17795	17750	17715	15395	15240	15180	As/Pac/PapWG		09/22/86	
0200	0250	Brazil	R Bras	11745						NA/CA		06/04/86	
0200	0330	Canada	R Canada Int'l	9755	5960					NA	Tue-Sat	11/12/86	
0200	0400	Cuba	R Havana	9740	6190	6140	6090			Americas		09/13/86	
0200	0500	Ecuador	HCJB	9870	6230					NA		11/13/85	
0200	0330	Egypt	R Cairo	9675	9475					NA		07/20/86	
0200	0250	Fed Rep Germany	R Deutsche Welle	9690	9615	7285	6035	5995		As		12/11/86	
0200	0245	German Dem Rep	R Berlin Int'l	9620	9560					WNA		08/19/86	
0200	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6025	NA	Tue-Sun	11/15/86	
0200	0230	Israel	Kol Israel	9435	7465	5885				NA		09/04/86	
0200	0300	Japan	R Japan	15195	9725					Americas		11/15/86	
0200	0300	Poland	R Polonia	11815	9525	7270	7145	6135	6095	NA		08/07/86	
0200	0255	Romania	R Bucharest	11940	11810	9570	9510	6155	5990	NA		06/24/86	
0200	0256	South Africa	Radio RSA	9615	6185	6010				NA		12/08/86	
0200	0300	South Korea	R Korea	15575	7275					Am/GDS		12/25/86	
0200	0230	Switzerland	R Swiss Int'l	12035	9885	9725	9625	6135		NA		10/18/86	
0200	0300	Taiwan	V of Free China	11825	11745	11740	9765	9685	9680	NA/Jap/As/CA/AusNZ	WYFR:11740,9680,5985	07/21/86	
0230	0300	Albania	R Tirana	9754	7065					NA		12/24/86	
0230	0325	Netherlands	R Nederland	9895	9590	6165	6020			EMA	9590, 6165 v Bonaire	09/19/86	
0230	0300	Sweden	R Sweden	9695						S As		11/12/86	
0258	0400	USA	WHRI	7400						SA/Carib		11/07/86	
0300	0400	Australia	R Australia	17795	17750	17715	15395	15320	15240	15160	11945	As/Pac/PapWG/Afr	09/22/86
0300	0400	Austria	ORF	6155						NA	Sunday only	09/28/86	
0300	0400	China	R Beijing	15445	15280	11980	11970			NA		06/16/86	
0300	0357	Czechoslovakia	R Prague	11990	9740	7345	6055	6015	5930	NA		11/30/86	
0300	0350	Fed Rep Germany	R Deutsche Welle	9565	9545	6185	6045	5995		NA		12/11/86	
0300	0330	Hungary	R Budapest	15160	11910	9835	9585	9520	6025	NA		11/15/86	
0300	0330	Japan	R Japan	17845	17810	15350	11840			GDS/Asia		12/20/86	
0300	0400	Poland	R Polonia	11815	9525	7270	7145	6135	6095	NA		08/07/86	
0300	0330	Portugal	R Portugal	9705						WNA	Tue-Sat	10/21/86	
0300	0426	South Africa	Radio RSA	9585	7270	5980	4990	3230		Afr		09/18/86	
0300	0400	Taiwan	V of Free China	11825	11745	9765	9685	9680	5985	NA/Jap/As/AusNZ	WYFR:9680,5985	07/21/86	

0300	0330	USSR	R Kiev	11860	11790	9765	7165	6035	6020		NA		11/21/86
0310	0330	Vatican State	Vatican Radio	6150								experimental xasn	06/04/86
0315	0330	France	R France Int'l	9800	9790	9585	9535	7175	7135	6175	6055	Afr/ME/LA	12/25/86
0330	0400	Albania	R Tirana	9754	7065							NA	12/24/86
0330	0400	Austria	ORF	6155								NA	09/13/86
0330	0415	German Dem Rep	R Berlin Int'l	9620	9560							MNA	08/19/86
0330	0400	Sweden	R Sweden	11705								ME	11/12/86
0330	0415	United Arab Emirates	R Dubai	15435	11940	9640	9595					NA	11/08/86
0340	0348	Greece	V of Greece	11645	9420	7430						NA	11/16/86
0345	0400	France	R France Int'l	9800	9790	9585	9535	7175	7135	6175	6055	Afr/ME/LA	12/25/86
0355	0630	New Zealand	R New Zealand Int'l	17705	15150							Pac	11/14/86
0400	0500	Argentina	RAE	11710	9690							Americas	05/31/86
0400	0500	Australia	R Australia	17795	17715	15320	15240	15160	11945	11910		As/Pac/PapNG/Afr	09/22/86
0400	0500	Bulgaria	R Sofia	7115								NA	09/28/86
0400	0430	Canada	R Canada Int'l	9755	5960							NA	11/12/86
0400	0500	China	R Beijing	15280	11980							NA	06/16/86
0400	0500	Cuba	R Havana	9740	6190	6140	6090	6035	5965			Americas	09/13/86
0400	0415	Hungary	R Budapest	15160	11910	9835	9585	9520	6025			NA	11/15/86
0400	0500	Japan	R Japan	9525								Americas	10/26/86
0400	0425	Netherlands	R Nederland	9895	7175							ME/E Afr	09/19/86
0400	0430	Norway	R Norway	9590	7235							ME/E Afr	Eng Mon only
0400	0455	Romania	R Bucharest	11940	11810	9570	9510	6155	5990			NA	11/13/86
0400	0430	Switzerland	R Swiss Int'l	12035	9885	9725	6135					NA	05/24/86
0400	0450	Turkey	V of Turkey	17760	9560							SE As/NA	10/18/86
0400	0600	USA	WHRI	7400								SA/Carib	11/07/86
0400	0600	USA	WRNO	6185									10/24/86
0400	0800	USSR	R Moscow	11770	9500	7290	6150	5900				MNA	add'l freqs in use
0415	0430	France	R France Int'l	9800	9790	9535	7175	7135	6175	6055		Afr/ME/LA	12/24/86
0430	0500	Albania	R Tirana	11835	9480							Afr	12/24/86
0430	0500	Austria	ORF	11830	6155	5945						ME/MNA/Eu	09/28/86
0430	0515	Fed Rep Germany	R Deutsche Welle	9765	9565	7225	7150	6065				SE/CE Afr	12/25/86
0445	0500	France	R France Int'l	9800	9790	9535	7175	7135	6175	6055		Afr/ME/LA	12/25/86
0500	0630	Australia	R Australia	17795	17750	17715	15395	15240	15160	11910		As/Pac/PapNG	09/22/86
0500	0600	Cuba	R Havana	9740	6190	6090	6035	5965				Americas	09/13/86
0500	0700	Ecuador	HCJB	11910	9870	6230						Americas	05/17/86
0500	0550	Fed Rep Germany	R Deutsche Welle	9690	6130	6120	5960					MNA	12/11/86
0500	0515	Israel	Kol Israel	17630	9435	9012	7460	7410				NA/Eu/Aus/NZ	11/02/86

0500	0600	Japan	R Japan	17810	15235	5990		GDS/As/NA/Oceania		10/26/86
0500	0530	Norway	R Norway	11865	9590			NE/E Afr	Eng Mon only	10/13/86
0500	0600	Spain	Sp Foreign Radio	9630				MNA/Aus/NZ		10/20/86
0530	0545	Czechoslovakia	R Prague	11990	9505	6055		Eu		10/11/86
0530	0555	Finland	R Finland	11755	9605	6120		Eu/ME		09/30/86
0530	0625	Netherlands	R Nederland	9715	6165			MNA	via Bonaire	09/19/86
0530	0600	Romania	R Bucharest	15380	15340	11940	11840	Afr		12/14/86
0530	0600	United Arab Emirates	R Dubai	21700	17775	15435	11730	Far E/Aus/As		09/30/86
0600	0700	South Korea	R Korea	15395	9570	7275	60600	Am/GDS		12/25/86
0600	0800	USA	WHRI	6100				Eu/ME		11/07/86
0600	1200	USA	WRND	6185					Sun	10/24/86
0615	0655	Belgium	BRT	21810	9880			SE As/NA	Sat-Sun	08/28/86
0615	0700	Fed Rep Germany	R Deutsche Welle	11765	9700	9610	7195	W Afr		12/11/86
0630	0700	Albania	R Tirana	9500	7065			Eu		12/24/86
0630	0700	Australia	R Australia	17750	17715	15395	15240	As/Pac/PapNG		09/22/86
0630	0700	Austria	ORF	15410	6155	6000	5945	NE/W Afr/Eu		10/13/86
0630	0655	Netherlands	R Nederland	11930	9895			W Afr		09/19/86
0630	0730	South Africa	Radio RSA	15270	11900	9585	5980	SEW Afr/UK/Ireland		09/22/86
0630	0700	Switzerland	R Swiss Int'l	15430	12030	9870		Afr		05/24/86
0645	0715	Romania	R Bucharest	21665	17805	17790	15340	15250	11940	11/13/86
0700	0730	Australia	R Australia	17750	17715	15395	15240	15160	9655	09/22/86
0700	1130	Ecuador	HCBJ	11925	9745	6130		S Pac		07/22/86
0700	0800	Japan	R Japan	17810	15235	15230	11955	5990	GDS/As/Am/Oc/Eu/ME	15230 Gabon relay
0700	0800	Taiwan	V of Free China	5985				NA	via MYFR	07/21/86
0715	0900	Guam	KTKR	15155					Sun	11/02/86
0720	0900	Guam	KTKR	15155					Fri-Sat	11/02/86
0730	0800	Australia	R Australia	17750	17715	15395	15240	11720	9655	As/Pac/PapNG
0730	0800	Bulgaria	R Sofia	11720	9700				W Eu	10/31/86
0730	0800	Czechoslovakia	R Prague	21765	17840	11855			SE As/Pac	10/11/86
0730	0755	Finland	R Finland	11755	6120				Eu	09/30/86
0730	0825	Netherlands	R Nederland	9715	9630				NZ/Aus	09/19/86
0735	0900	Guam	KTKR	15155						Mon-Thu
0800	0830	Albania	R Tirana	11835	9500				As/Aus	12/24/86
0800	0900	Australia	R Australia	17750	17715	15395	11720	9655	9580	As/Pac/PapNG
0800	0825	Belgium	BRT	17600	9880				SE As/NA	Mon-Fri
0800	1100	Kuwait	R Kuwait	15345					Far E/SE As/Aus/NZ	10/07/86
0800	0900	South Korea	R Korea	13760	7550				Eu/ME/Afr	12/25/86

0800	1100	USA	WHR1	7355						Eu/ME		11/07/86
0828	0855	Netherlands	R Nederland	9630						Aus	weekdays	09/19/86
0830	0900	Austria	ORF	15410	11840	7210	6155	6000		ME/Aus/As/Eu		10/13/86
0830	0900	Czechoslovakia	R Prague	21705	17840	11855				SE As/Pac	Sat & Sun to 0930	10/11/86
0830	0955	Finland	R Finland	11935	11755	9655	6120			Eu/SA/Aus/E As	Sat only	09/30/86
0830	0925	Netherlands	R Nederland	21485	17575					Asia		09/19/86
0830	0900	Switzerland	R Swiss Int'l	15570	11905	9885	9560			Aus/NZ		10/18/86
0855	1115	New Zealand	R New Zealand Int'l	11780	9600					Aus		11/14/86
0900	0930	Australia	R Australia	15415	11720	9710	9655	9580		As/Pac/PapNG		09/22/86
0900	0915	Austria	ORF	7210	6155	6000				Eu	Sunday only	10/13/86
0900	0950	Fed Rep Germany	R Deutsche Welle	21680	21560	17800	17780	15330	15205	15185	11945	12/11/86
0900	1000	Japan	R Japan	17810	15235	11955	11875	7240		GDS/As/Eu/ME/Dc/SA		12/20/86
0900	fade	Papua-N Guinea	ABC-Port Moresby	4920								09/08/85
0930	1000	Australia	R Australia	15415	9710	9655	9580			As/Pac/PapNG		09/22/86
0930	0940	Canada	R Canada Int'l	9755	5960					Carib	Mon-Fri	11/12/86
0930	0955	Finland	R Finland	11935	11755	9655	6120			Eu/SA/Aus/E As	except Sat	09/30/86
0930	1000	Sweden	R Sweden	15390	9565					Aus/NZ/E As		11/12/86
1000	1030	Australia	R Australia	15415	9770	9655	9580			As/Pac/PapNG		09/22/86
1000	1030	Fed Rep Germany	R Deutsche Welle	17765	15135	9735	7225			SE&E Afr		10/07/86
1000	1030	Norway	R Norway	15230	15180	11865	9590			S As/Eu/Far E/NZ	Enq Sun only	10/13/86
1000	1030	Switzerland	R Swiss Int'l	15570	11905	9885	9560			Aus/NZ		10/18/86
1030	1100	Australia	R Australia	15415	9770	9580				As/Pac/PapNG		09/22/86
1030	1100	Hungary	R Budapest	21665	21525	17710	11910	9835		Aus/NZ/Japan		11/15/86
1030	1125	Netherlands	R Nederland	9650	6020					Aus/Carib		09/19/86
1030	1130	United Arab Emirates	R Dubai	21605	17865	17775	11730			Eu/Afr		09/30/86
1045	1100	Romania	R Bucharest	15250	11940	9690				Eu	Mon-Sat	12/14/86
1100	1130	Australia	R Australia	11800	11705	9770	9710	9645	5980	7215	6080	09/22/86
1100	1200	China	R Beijing	9535						ENA		06/16/86
1100	1130	Israel	Kol Israel	15640	13725	12080	11655	11585		Eu/Aus/As		11/02/86
1100	1200	Japan	R Japan	9695	7240					GDS/Asia		10/26/86
1100	1200	North Korea	R Pyongyang	9977	9555					NA/LA	9977 best	05/31/86
1100	1115	Pakistan	R Pakistan	17660	15605						15605 best	05/31/86
1100	1156	South Africa	Radio RSA	21590	15220					Afr/ME/UK/Ireland		09/22/86
1100	1200	South Korea	R Korea	15575						ME/Afr		06/21/86
1100	1130	Sweden	R Sweden	15245	9630	6065				Eu/Afr/ME	6065 M-F	11/12/86
1100	1130	Switzerland	R Swiss Int'l	15570	11795	9870	9665			SE As/Aus/NZ		11/12/86
1100	1300	USA	WHR1	5995						Eu/E Can		11/07/86

1115	1210	Iran	R Tehran	15084						Far E/As	08/08/86		
1130	1200	Albania	R Tirana	11855	9480					As/Aus	12/24/86		
1130	1200	Australia	R Australia	11800	11705	9770	9710	9645	9580	7215	6080	As/Pac/PapMG	09/22/86
1130	1200	Fed Rep Germany	R Deutsche Welle	17800	17765	15410	15135					W Afr	17800,15410 v Kigali
1130	1200	Japan	R Japan	6120								NA	via Sackville
1130	1225	Netherlands	R Nederland	21480	17605	17575	15560	9715	5955			Eu/ME/As	09/19/86
1150	1220	Hungary	R Budapest	17710	15160	11910	9835	9565	6025			Eu	Mon-Fri
1200	1230	Australia	R Australia	11800	9770	9710	9580	7215	7205	6080	6060	As/Pac/PapMG	09/22/86
1200	1230	Austria	ORF	15320	15270	11915	6155	6000				ENA/Aus/As/Eu	Sunday only
1200	1300	China	R Beijing	11650	9535							ENA	09/04/86
1200	1235	Ecuador	HCJB	6075								FarE/Jap	test xasn
1200	1225	Finland	R Finland	15400	11945							NA	Mon-Fri
1200	1230	Romania	R Bucharest	17720	15380	11740						As	
1200	1430	USA	WRNO	9715									Sun
1200	1225	USSR	R Tashkent	11785	9600	9540	7275	5945				As	
1215	1245	Japan	R Japan	11875	9675							Asia	
1230	1300	Australia	R Australia	9770	9580	7215	7205	6080	6060	5995		As/Pac/PapMG	09/22/86
1230	1300	Austria	ORF	15320	15270	11915	6155	6000				ENA/Aus/As/Eu	10/13/86
1230	1300	Sweden	R Sweden	11735	9565							S As/E As	11/12/86
1235	1243	Greece	V of Greece	17565	15630	11645						NA	Eng news
1300	1400	Australia	R Australia	9580	7205	6080	6060	5995				As/Pac/PapMG	09/22/86
1300	1400	Canada	R Canada Int'l	17820	11955							NA/Carib	Mon-Fri
1300	1325	Finland	R Finland	15400	11945							NA	Mon-Sat
1300	1415	Guan	KTKR	9870								NA	Mon-Fri
1300	1330	Norway	R Norway	17770	15300	15185	9590	6040				NA/Aus/Eu/Afr/S As	Eng Sun only
1300	1330	Romania	R Bucharest	15250	11940	9690						Eu	08/07/86
1300	1400	South Africa	Radio RSA	21590	15220	7270						Afr/ME/UK/Ireland	09/22/86
1300	1500	USA	WHR1	11580								SA/Carib	11/07/86
1330	1355	Belgium	BRT	15590	15580							SE As/NA	Mon-Sat
1330	1500	Finland	R Finland	15400	11945							NA	Sun only
1330	1400	Switzerland	R Swiss Int'l	15570	11955	11905	9885	9730				E Afr/India/Aus/NZ	10/18/86
1330	1400	Turkey	V of Turkey	17880								SW As	10/18/86
1330	1400	United Arab Emirates	R Dubai	21605	17775	15320						Eu/Afr	12/25/86
1330	1355	USSR	R Tashkent	11785	9600	9540	7275	5945				As	10/16/86
1400	1430	Albania	R Tirana	11985	9500							As/Aus	12/24/86
1400	1430	Australia	R Australia	9580	7135	6080	5995					As/Pac/PapMG	09/22/86
1400	1500	Austria	ORF	7245								E As	10/13/86

1400	1700	Canada	R Canada Int'l	17820	15440	11955	NA/Carib	Sun	11/12/86				
1400	1425	Finland	R Finland	15400	11945		NA	Mon-Sat	09/30/86				
1400	1430	Japan	R Japan	9695	7280	7240	605/As/Ae		11/15/86				
1400	1430	Norway	R Norway	15315	15310	9530	NA/S As/Aus	Eng Sun only	10/13/86				
1400	1500	South Africa	Radio RSA	21590	15220	7270	Afr/NE/UP/Ireland		09/22/86				
1400	1500	South Korea	R Korea	15575	9750	9570	Ae/SE As		09/16/86				
1400	1430	Sweden	R Sweden	15345	9695		NA		11/12/86				
1415	1430	Guay	K1MR	9870				Sat-Sun	11/02/86				
1430	1500	Australia	R Australia	9580	7205	6080	As/Pac/PapNG		09/22/86				
1430	1457	Czechoslovakia	R Prague	21505	17705	15110	54E As/Pac		12/23/86				
1430	1525	Netherlands	R Nederland	17575	15560	13770	54E As/Eu		09/19/86				
1430	1500	USA	WRNO	11955				Sun	10/24/86				
1500	1530	Australia	R Australia	9580	7215	7205	As/Pac/PapNG		09/22/86				
1500	1530	Austria	ORF	7155	6155	6000	S As/W Afr/Eu		10/13/86				
1500	1550	Fed Rep Germany	R Deutsche Welle	15135	11945	9735	54E Afr		12/23/86				
1500	1525	Finland	R Finland	15400	15245		NA/NE		09/30/86				
1500	1600	Japan	R Japan	17785	9695	5990	605/As/Ae/Eu/NE	17785 Gabon relay	10/26/86				
1500	1530	Romania	R Bucharest	11940	11775	9690	As		11/13/86				
1500	1556	South Africa	Radio RSA	21590	15220	7270	Afr/NE/UK/Ireland		09/22/86				
1500	1900	USA	WHRI	15105			SA/Carib/Eu/NE		11/07/86				
1500	1600	USA	WRNO	15420				Sun	10/24/86				
1515	1530	Hungary	R Budapest	15160	11910	9835	Eu	Tue & Fri	11/15/86				
1530	1600	Albania	R Tirana	11835	9460		Afr		12/24/86				
1530	1900	Australia	R Australia	9580	7215	7205	As/Pac/PapNG		09/22/86				
1530	1625	Czechoslovakia	R Prague	21505	17705	15110	13715	9735	6035	5995	As/Pac/PapNG		09/22/86
1530	1600	Hungary	R Budapest	17780	15160	11910	9835	9585		As		11/15/86	
1530	1600	Switzerland	R Swiss Int'l	15430	11935	11840	9885		NE/E Afr		10/18/86		
1540	1548	Breece	V of Greece	17565	15630	11645		NA	Eng news		11/15/86		
1545	1600	Canada	R Canada Int'l	17820	15225	15315	11935	11915	9555	E Eu	all ex 17m v Eu rlys	11/12/86	
1600	1655	France	R France Int'l	15315	11930	11805	11705	9840	6175	Afr/NE/W Eu	11705 Gabon relay	11/02/86	
1600	1630	Norway	R Norway	15310	9590	7285		NA/GA/S As	Eng Sun only		10/13/86		
1600	1615	Pakistan	R Pakistan	15595	11615	9885		NE/60S	Slow-speed news		10/19/86		
1600	1630	Portugal	R Portugal	15105				NE	Mon-Fri		12/24/86		
1600	2100	Saudi Arabia	BC Serv of Kingdom of SA	9720					best later in xash		07/20/86		
1600	1700	South Korea	R Korea	9870				Eu/NE/Afr			12/25/86		
1600	1630	Sweden	R Sweden	9665	6065			Eu/Afr/S As			11/12/86		
1600	1640	United Arab Emirates	R Dubai	15435	15220	11955	9640	Eu/Afr			09/28/86		



1900	1927	Czechoslovakia	R Prague	7345	5930				Eu	12/23/86
1900	1930	Japan	R Japan	9505					GOS/Americas	09/18/86
1900	1930	Norway	R Norway	9590	7265				Eu/Afr	Eng Sun only fades by 2300
1900	2300	USA	KVOH	17775						12/25/86
1900	2100	USA	WHRI	11705					Eu/ME	11/07/86
1900	1930	USSR	R Kiev	7195	6165	6090	6010		Eu	11/21/86
1901	2000	Japan	R Japan	15235	11875				Aus/NZ	11/15/86
1920	1930	Greece	V of Greece	9420	7340	7395			Eu	Eng news
1930	2000	Bulgaria	R Sofia	11720	7115	6070			W Eu	10/31/86
1930	2000	Finland	R Finland	11755	9530	6120			Eu	except Sat
1930	2025	Iran	R Tehran	11930	9022				Eu	06/01/86
1930	2000	Romania	R Bucharest	7195	7145	6055	5990		Eu	11/13/86
1945	2045	India	AIR	11865	11620	9755	7412		GOS/W Eu	10/13/86
1955	2000	Finland	R Finland	11755	9530	6120			Eu	Sat only
2000	2030	Australia	R Australia	9620	9580	7215	7205	6035	As/Pac/PapNG	09/22/86
2000	2030	Canada	R Canada Int'l	15325	15140	11945	7285	5995	W Eu	M-F : 41/49 v UK
2000	2027	Czechoslovakia	R Prague	7345	5930				Eu	10/11/86
2000	2030	Israel	Kol Israel	9435	7465	7410	7401	5885	NA/Eu/Afr	12/14/86
2000	2030	Norway	R Norway	9525	6015				Eu/W Afr/SA	Eng Sun only
2005	2105	Syria	R Damascus	12085						06/21/86
2030	2100	Albania	R Tirana	11835	9480				Afr	12/24/86
2030	2100	Australia	R Australia	9620	9580				As/Pac/PapNG	09/22/86
2030	2055	Finland	R Finland	6120					Eu	09/30/86
2030	2125	Netherlands	R Nederland	11740	9895	9715	9540		W Afr	09/19/86
2030	2100	Portugal	R Portugal	9740	6100				Eu	Mon-Fri
2030	2130	South Korea	R Korea	15575	7550	6480			Eu	12/25/86
2030	2100	USA	KCBI	11790						11/22/86
2045	2130	German Dem Rep	R Berlin Int'l	6125					ENA	09/07/86
2045	2230	India	AIR	11620	9910	7412			GOS/W Eu/Afr	10/13/86
2100	2200	Argentina	RAE	15345	11710	6060			Eu/Afr/ME/Americas	25/49 n. Sat & Sun
2100	2130	Australia	R Australia	15395	15240	15160	9620	9580	As/Pac/PapNG	09/22/86
2100	2130	Canada	R Canada Int'l	15325	11960	7185	5995		W Eu	Sa/Su-2200 :41/49 UK
2100	2150	Fed Rep Germany	R Deutsche Welle	9765	9600	7130	6185		Aus/NZ	12/11/86
2100	2130	Hungary	R Budapest	11910	9835	9585	7220	6110	Eu	11/15/86
2100	2130	Japan	R Japan	9675	7140	5995			GOS/Asia	10/26/86
2100	2130	Romania	R Bucharest	7195	7145	6055	5990		Eu	11/13/86
2100	2156	South Africa	Radio RSA	11775	7270	4810			W/C Afr/Ireland	09/22/86
2100	2130	Sweden	R Sweden	9700	6065				Eu/Afr	11/12/86

2100	2130	Switzerland	R Swiss Int'l	12035 11955 9885	Afr	10/18/86
2100	2200	Taiwan	V of Free China	17845 15440 15370 11860 9765 9510	Eu/Aus/NZ	MYFK:17m,15440,9510
2100	2150	Turkey	V of Turkey	7215	Eu	10/18/86
2100	2300	USA	WRI	9770	Eu/NE	11/07/86
2100	2230	USA	WRNO	11705	Eu/NE	05/24/86
2101	2200	Japan	R Japan	15235 11875	Aus/NZ	11/15/86
2115	2245	Egypt	R Cairo	9805	Eu	12/25/86
2130	2200	Australia	R Australia	15395 15240 15160	As/Pac/PapMG	09/22/86
2130	2200	Austria	ORF	9655 6155 6000	W Afr/Eu	10/13/86
2130	2200	Bulgaria	R Sofia	7155 7115 6070	Afr	10/31/86
2130	2200	Canada	R Canada Int'l	17820 15150 11945	Afr	11/12/86
2130	2200	Czechoslovakia	R Prague	6055	Eu	12/23/86
2130	2200	Ecuador	HCJB	17790 15270 11740	Eu	11/11/86
2130	0100	Australia	R Australia	17795 15395 15320 15240 15160	As/Pac/PapMG	09/22/86
2200	2225	Belgium	BRT	5910	NA/Eu	09/27/86
2200	2300	Canada	R Canada Int'l	11945 9760	W Eu	11/12/86
2200	2275	Finland	R Finland	9575 6120	Eu/Aus/E As	09/30/86
2200	2245	German Dem Rep	R Berlin Int'l	6165 6125 6070	EMA	08/19/86
2200	2230	Norway	R Norway	9605 9525	W Afr/SA	10/13/86
2200	2300	Taiwan	V of Free China	17845 15440 15370 9955	Eu/Aus/NZ	07/21/86
2230	2300	Albania	R Tirana	9480 7065	Eu	12/24/86
2230	2330	Bulgaria	R Sofia	11720 6070	NA/Eu/LA	10/31/86
2230	2300	Israel	Kol Israel	9405 7465 7410 7401 5885	Eu	12/14/86
2230	2300	Poland	R Poland	7270 7125 6135 5995	Eu	08/07/86
2230	0600	USA	WRNO	9852	Eu	10/24/86
2230	2300	USSR	R Vilnius	6100	Eu	10/04/86
2255	0045	New Zealand	R New Zealand Int'l	17705 15150	Pac/Aus	11/14/86
2300	2330	Canada	R Canada Int'l	11710 9755	Carib	05/31/86
2300	2345	German Dem Rep	R Berlin Int'l	9730 6080	EMA	08/19/86
2300	2400	Japan	R Japan	15235 9645 7140 5995	60S/Am/Eu/NE	12/20/86
2300	0600	Spain	Sp Foreign Radio	7275 6020	Eu	12/25/86
2300	2330	Sweden	R Sweden	9695 6045	NA	11/12/86
2360	2350	Turkey	V of Turkey	17760 9560 7225 7215	SE As/NA/NE/Eu	10/18/86
2300	0100	USA	WRI	11770	SA/Carib	11/07/86
2300	0400	USSR	R Moscow	12050 11770 7150 7115 5980 5910	EMA	10/23/86
2300	2330	USSR	R Vilnius	15180 13645 11790 7165 6035	EMA	10/04/86
2330	0600	Albania	R Tirana	9760 7065	NA	12/24/86
2345	0030	German Dem Rep	R Berlin Int'l	9730 6080	EMA	08/19/86

12/25/86

## All Records Included

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

Shortwave DI Program	Show Start Time	Insa Start Time	Country	Station	Freq 01	Freq 02	Freq 03	Freq 04	Freq 05	Freq 06	Freq 07	Target Area	Notes re DI Show	Record Last Updated
** DAY OF THE WEEK: Sunday														
World of Radio	0030	0000	USA	WRNO	7355									11/15/86
SML Digest	0105	0101	Canada	R Canada Int'l	9755	5960						NA		11/15/86
SM Merry-Go-Round	0220	0200	Switzerland	R Swiss Int'l	12035	9885	9725	9625	6135			NA		05/16/86
DI Party Line	0230	0200	Ecuador	HCJB	9870	6230						NA		05/03/86
Talkback	0310	0300	Australia	R Australia	17795	17750	17715	15395	15320	15240	15160	As/Pac/PapNG/Afr		10/13/86
DI Corner	0315	0300	South Africa	Radio RSA	9585	7270	5980	4990	3230			Afr		09/20/86
SM Merry-Go-Round	0420	0400	Switzerland	R Swiss Int'l	12035	9885	9725	6135				NA		05/16/86
DI Party Line	0630	0500	Ecuador	HCJB	11910	9870	6230					Americas		05/03/86
Radio World	0640	0615	Belgium	BRT	21810	9880						SE As/NA		09/28/86
DI Corner	0650	0630	South Africa	Radio RSA	15270	11900	9585	5980				Sth Afr/UK/Ireland		09/28/86
Talkback	0710	0700	Australia	R Australia	17750	17715	15395	15240	15160	9655		As/Pac/PapNG		09/22/86
Shortwave Panorama	0905	0900	Austria	DRF	7210	6155	6000					Eu		09/13/86
Talkback	0910	0900	Australia	R Australia	15415	11720	9710	9655	9580			As/Pac/PapNG		06/01/86
DI Corner	0915	0900	Japan	R Japan	17810	15235	11955	11875	7240			GOS/As/Eu/ME/Oc/SA		09/21/86
DI Corner	1115	1100	Japan	R Japan	9695	7240						GOS/Asia		09/21/86
DI Corner	1145	1130	Japan	R Japan	6120							NA		10/18/86
DI Programme	1200	1200	USSR	R Tashkent	11785	9600	9540	7275	5945			As	Su after 2nd Sat/mo	10/16/86
DI Corner	1225	1215	Japan	R Japan	11875	9675						Asia		09/21/86
Shortwave Panorama	1235	1230	Austria	DRF	15320	15270	11915	6155	6000			EMA/Aus/As/Eu		09/13/86

Talkback	1240	1200	Australia	R Australia	11800	9770	9710	9580	7215	7205	6080	As/Pac/PapNG	10/13/86
World of Radio	1400	1200	USA	WRND	9715								11/15/86
Shortwave Panorama	1430	1400	Austria	DRF	7245							E As	09/28/86
Talkback	1710	1530	Australia	R Australia	9580	7215	7205	6080	6060	6035	5995	As/Pac/PapNG	10/13/86
Shortwave Panorama	1805	1805	Austria	DRF	12015	9725	6000					ME/EES Afr/Eu	09/28/86
DI Corner	1810	1800	Japan	R Japan	5965							As/Afr	09/21/86
Radio World	1830	1830	Belgium	BRT	9905	5910						Eu	09/28/86
World of Radio	1830	1800	USA	KCBI	11735								11/22/86
DI Corner	2020	2000	Israel	Kol Israel	9435	7465	7410	7401	5885			NA/Eu/Afr	09/07/86
Talkback	2040	2030	Australia	R Australia	9620	9580						As/Pac/PapNG	07/20/86
DI Corner	2140	2100	South Africa	Radio RSA	11775	7270	4810					W&C Afr/Ireland	09/07/86
Radio World	2200	2200	Belgium	BRT	5910							NA/Eu	09/28/86
DI Corner	2250	2230	Israel	Kol Israel	9435	7465	7410	7401	5885			NA/Eu/LA	09/07/86
SML Digest	2305	2300	Canada	R Canada Int'l	11710	9755						Carib	05/31/86
R Sofia Calling	2315	2230	Bulgaria	R Sofia	11720	6070						NA	09/28/86
DI Corner	2315	2300	Japan	R Japan	15235	9645	7140	5995				GDS/Am/Eu/NE	09/21/86
DI Spot	2345	2300	Spain	Sp Foreign Radio	7275	6020						Eu	10/24/86
** DAY OF THE WEEK: Monday													
DI Corner	0020	0000	Israel	Kol Israel	9435	7465	5885					NA	05/19/86
Radio World	0030	0030	Belgium	BRT	9925	5910						SA/NA	09/28/86
R Sofia Calling	0045	0000	Bulgaria	R Sofia	11720	6070						NA/W Eu	09/28/86
DI Spot	0045	0000	Spain	Sp Foreign Radio	9630	6125						NA	06/01/86
DI Corner	0120	0100	Israel	Kol Israel	9435	7465	5885					NA	05/19/86
DI Spot	0145	0000	Spain	Sp Foreign Radio	9630	6125						NA	06/01/86
DI Corner	0220	0200	Israel	Kol Israel	9435	7465	5885					NA	09/07/86
DI Corner	0240	0200	South Africa	Radio RSA	9615	6185	6010					NA	09/07/86
Shortwave Panorama	0435	0430	Austria	DRF	11830	6155	5945					ME/WNA/Eu	05/19/86
R Sofia Calling	0445	0400	Bulgaria	R Sofia	7115							NA	09/28/86
DI Spot	0545	0500	Spain	Sp Foreign Radio	9630							WNA/Aus/NZ	05/19/86
DI Party Line	0930	0700	Ecuador	HCJB	11925	9745	6130					S Pac	05/03/86
DI Party Line	2130	2130	Ecuador	HCJB	17790	15270	11740					Eu	05/03/86
** DAY OF THE WEEK: Tuesday													
DI Program	0145	2300	USSR	R Moscow	12050	11770	7150	7115	5980	5910		ENA	12/24/86

DX Party Line	0230	0200	Ecuador	HCJB	9870	6230				NA		05/03/86
SM Merry-Go-Round	0320	0258	USA	WHRI	7400					SA/Carib	repeat	12/25/86
Sweden Calling Diers	0330	0258	USA	WHRI	7400					SA/Carib	repeat	12/25/86
DX Program	0345	2300	USSR	R Moscow	12050	11770	7150	7115	5980	5910	ENA	12/24/86
DX Party Line	0630	0500	Ecuador	HCJB	11910	9870	6230				Americas	05/03/86
Sweden Calling Diers	1410	1400	Sweden	R Sweden	15345	9695					NA	12/23/86
SM Club	1517	1515	Hungary	R Budapest	15160	11910	9835	9585	6110		Eu	11/15/86
Sweden Calling Diers	2310	2300	Sweden	R Sweden	9695	6045					NA	05/13/86
** DAY OF THE WEEK: Wednesday												
SM Club	0402	0400	Hungary	R Budapest	15160	11910	9835	9585	9520	6025	NA	11/15/86
DX Party Line	0930	0700	Ecuador	HCJB	11925	9745	6130				S Pac	08/25/86
DX Party Line	2130	2130	Ecuador	HCJB	17790	15270	11740				Eu	08/25/86
** DAY OF THE WEEK: Thursday												
DX Party Line	0230	0200	Ecuador	HCJB	9870	6230					NA	08/25/86
DX Party Line	0630	0500	Ecuador	HCJB	11910	9870	6230				Americas	08/25/86
Media Network	1150	1130	Netherlands	R Nederland	21480	17605	17575	15560	9715	5955	Eu/ME/As	08/22/86
DX Corner	1315	1300	South Africa	Radio RSA	21590	15220	7270				Afr/ME/UK/Ireland	09/28/86
Media Network	1450	1430	Netherlands	R Nederland	17575	15560	13770	11735	5955		S&E As/Eu	09/04/86
Media Network	1650	1630	Netherlands	R Nederland	15570	6020					S&E Afr	09/04/86
Dier's Special	1815	1745	Argentina	RAE	15345						Eu/Afr/ME	12/25/86
Media Network	1850	1830	Netherlands	R Nederland	21685	17605	9540	6020			Afr/Eu	08/22/86
Media Network	2050	2030	Netherlands	R Nederland	11740	9895	9715	9540			M Afr	08/22/86
Dier's Special	2130	2100	Argentina	RAE	15345	11710	6060				Eu/Afr/ME/Americas	12/25/86
** DAY OF THE WEEK: Friday												
Dier's Special	0130	0100	Argentina	RAE	11710	9690					Americas	12/25/86
Media Network	0250	0230	Netherlands	R Nederland	9895	9590	6165	6020			ENA	05/30/86
Sweden Calling Diers	0330	0258	USA	WHRI	7400						SA/Carib	09/28/86
Duke A.'s DX Report	0350	0258	USA	WHRI	7400						SA/Carib	09/28/86
Dier's Special	0430	0400	Argentina	RAE	11710	9690					Americas	12/25/86

Media Network	0550	0530	Netherlands	R Nederland	9715	6165				MNA		11/21/86
DI Corner	0935	0900	Japan	R Japan	17810	15235	11955	11875	7240	GOS/As/Eu/ME/Dc/SA	15235/11875 to AusNZ	09/21/86
SM Club	1517	1515	Hungary	R Budapest	15160	11910	9835	9585	6110	Eu		11/15/86
World of Radio	2030	2030	USA	KCBI	11790							11/22/86
R Sofia Calling	2145	2130	Bulgaria	R Sofia	7155	7115	6070			Afr	1st of wkend series	09/29/86
** DAY OF THE WEEK: Saturday												
R Sofia Calling	0025	0000	Bulgaria	R Sofia	11720	6070				NA/W Eu		09/28/86
DI Corner	0235	0200	Japan	R Japan	15195	9725				Americas		09/21/86
World of Radio	0400	0300	USA									10/18/86
SM Club	0402	0400	Hungary	R Budapest	15160	11910	9835	9585	9520	6025	NA	11/15/86
DI Corner	0435	0400	Japan	R Japan	9525					Americas		09/21/86
Radio World	0640	0615	Belgium	BRT	21810	9880				SE As/NA		09/28/86
R Sofia Calling	0745	0730	Bulgaria	R Sofia	11720	9700				W Eu		09/29/86
DI Party Line	0930	0700	Ecuador	HCJB	11925	9745	6130			S Pac		05/03/86
SM Merry-Go-Round	1115	1100	Switzerland	R Swiss Int'l	15570	11795	9870	9665		SE As/Aus/NZ		09/06/86
DI Programme	1330	1330	USSR	R Tashkent	11785	9600	9540	7275	5945	As	2nd Sat of month	10/16/86
Radio World	1335	1330	Belgium	BRT	15590	15580				SE As/NA		09/28/86
SM Merry-Go-Round	1345	1330	Switzerland	R Swiss Int'l	15570	11955	11905	9885	9730	E Afr/India/Aus/NZ		09/04/86
SM Merry-Go-Round	1545	1530	Switzerland	R Swiss Int'l	15430	11935	11840	9885		ME/E Afr		05/24/86
Radio World	1635	1630	Belgium	BRT	11695	9905				Afr		09/28/86
SM Digest	2115	2100	Canada	R Canada Int'l	15325	11960	7185	5995		W Eu		10/18/86
SM Merry-Go-Round	2115	2100	Switzerland	R Swiss Int'l	12035	11955	9885			Afr		05/24/86
DI Party Line	2130	2130	Ecuador	HCJB	17790	15270	11740			Eu		05/03/86
DI Radio Tips	2130	2100	Turkey	V of Turkey	7215					Eu	Biweekly	10/18/86
SM Digest	2135	2130	Canada	R Canada Int'l	17820	15150	11945			Afr		10/13/86
DI Radio Tips	2330	2300	Turkey	V of Turkey	17760	9560	7225	7215		SE As/NA/ME/Eu	Biweekly	10/18/86



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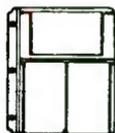
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