

FRENDX

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 ABANCAY - PERU



RADIOPROGRAMAS DEL PERU
 A nivel nacional por microondas

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 ONDA CORTA
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1937

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AVENIDA GRAU No 468 - APARTADO 16 JUNIN PERU



NASWA

HEADQUARTERS REPORT

NORTH AMERICAN SHORT WAVE ASSOCIATION

46 WILDFLOWER ROAD, LEVITTOWN, PA. 19057

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TAPE EXCHANGERS WANTED

Derek Lynch, 5 The Beehives, Ballinderry, Mullingar, Co. Westmeath, Ireland would like to exchange cassette tapes with NASWA members in the United States. He is primarily interested in cassettes containing signals which he has difficulty hearing in Ireland, and he will return tapes featuring signals difficult to receive here. Derek has recently been awarded an honors MA degree in Political Science for a thesis on U.S. and Soviet broadcasting to Africa. He uses a Drake R7A. Those interested may write to Derek at the above address.

ANTENNA BOOKS

NASWA member Edward Noll is offering two shortwave antenna book which he wrote for Babani Publications, Ltd. of London. The books are titled "25 Simple Tropical and MW Band Aerials" and "25 Simple Shortwave Broadcast Band Aerials" and the price is \$5.00 each. Write to Edward Noll, Box 75, Chalfont, PA 18914. PA residents please add 6% sales tax.

NRC OFFERINGS

The National Radio Club, a MW only organization, is offering two items which may be of interest to some NASWA members. The first is the 7th edition of the NRC Domestic Log Book for \$10.00 in the U.S. and Canada (overseas buyers please write for rates). The second is a 1985 NRC DX Calendar for \$4.00 in the U.S. and Canada and \$5.00 overseas. The address is P.O. Box 24, Cambridge, WI 53523. Please specify on the envelope whether you want the NRC Log Book or the NRC Calendar.

NO COLLECT CALLS ON THESE ADS, PLEASE.

FOR SALE: FRG-7700 in very good condition with headphones, \$335.00 including shipping. Dave Martin, 285 South Main street, Ste. Genevieve, MO 63670. Phone (314) 883-7038 at any reasonable hour.

FREE: Twenty years of collected parts...tubes, pi coupler parts, coax, coils, variable capacitors, etc. If anyone can use this equipment, write to Dr. H. Price Kagey, 1952 Weybridge Lane, Reston, VA 22091 or call (703) 860-4332.

FOR SALE: ICOM R-70 in new condition with manual and original box. Price \$450.00 including shipping. Terry Weinhold, R.D. 2, P.O. Box 189-A, East Earl, PA 17519. Phone (215) 445-4270.

FOR SALE: Realistic DX-302, \$100.00 UPS paid. ALSO: 1982 WRTH in mint condition, \$7.00 postage paid. Mike Magick, 15245 North 53rd Drive, Glendale, AZ 85306. Phone (602) 938-6463.

FOR SALE: Kenwood R-2000 receiver modified by Radio West with two Collins mechanical filters (2.9 and 1.9 kHz) and one ceramic filter (4 kHz). Price \$675.00. ALSO: Sony ICF 6800W - orange - \$400.00. Both in mint condition with manuals and original cartons and UPS insured. Fritz Apollon, M.D., 3412 Englewood Road, Baltimore, MD 21208. Phone (301) 653-0212 from 0000 to 0300 GMT.

¡PARA LOS DXISTAS ACTIVOS! Picking up where we left off last month....

PERU - A Survey of Stations Received In Japan (continued)

by Tetsuya Hirahara and Takayuki Inoue

- 5015kHz R. Moyobamba, Moyobamba (Moyobamba, San Martin). 1000-1100. Almost knocked out by "local" station in Vladivostok so we have to wait for an interruption by accident. Measured on 5015.3kHz. V/s is Cesar Arevalo S.
- 5025 R. Quillabamba, Quillabamba (La Convencion, Cusco). *1100-1200. Well heard regularly with program "Peru Andino" after opening announcements. Station founded in 1968 by "Los Misioneros Cominicos del Vicariato Apostolico de Puerto Maldonado" using MW only. SW was added in 1973, using a 5 kW Bauer transmitter. An affiliate of CEMCOS (cf. 4950kHz) since its establishment in 1972. MW is now off the air because of small audience, which happened in 1981. V/s is Rufino Lobo Alonso, Director, but they do not reply due to lack of money!
- 5030 R. Los Andes, Huamachuco (Sanchez Carrion, La Libertad). *0900 (or *1000)-1130. The strongest 60mb signal. After the National Anthem, begins "Buenos Dias Peru" program. Founded on July 5, 1980 using 3375kHz (100w) and 1360kHz (5 kW). Later power was increased to 250w and frequency changed to 3700kHz. Transmission on 5030kHz began Sept. 1, 1982 (which was actually heard on Aug. 31, though) and has plans to increase power to 10 kW. The 75mb outlet is used for local evening service, and there is no Saturday broadcast. V/s is Pablo Cardenas Valverde, Director Gerente.
- 5035 R. Imagen, Tarapoto (San Martin). 1000-1130. Formerly well heard but has become scarce since last year. According to Juan Carlos Codina, they are using the 60mb outlet in local morning and 6324.1kHz (new frequency) for evenings. The station was founded on December 15, 1978 and the v/s is Victor Daniel Coral Perez.
- 5040 R. Libertad, Junin (Junin). *1000-1200. Constantly noted with co-channel Chinese (Fujian PBS) station until 1100 with programs "Buenos Dias Peru" at 1000, "El Correo Musical Chasqui" at 1100. Their slogan is, "Su siempre nueva radio".
- 5045 R. Rioja, Rioja (Rioja, San Martin). *1000-1130. Frequently suffers from interference from RRI-Yogyakarta (5047kHz) and is best heard in winter and early spring. V/s T. Juan Mori Mendoza, Director.
- 5055 R. Onda Imperial, Cusco (Cusco). *1000-1130. Confirmed with fairly good reception in the spring of 1983 and weakly in February 1983. Not traced later, mostly because of QRM 100Hz high from RRI-Nabire on 5055.4kHz.
- 5060 R. Amazonas, Iquitos (Maynas, Loreto). *0900-1200. Better reception here than former 4815kHz (which moved on March 2, 1983). Well heard here from 0900 program, "Amanecer en la Selva", 1100 with "El Amazonico". Their slogan is, "Voz y espiritu de la selva peruana". V/s Jaime Bendayan, Administrador.

PERU (cont'd)

- 5112kHz R. Eco, Iquitos (Maynas, Loreto). *0940v-1230. Frequently heard with carrier QRM from adjacent utility station. Better than the former 5010kHz. Slogan, "La radio completa" or "La gran radio". Programs in the morning include "Buenos Dias Peru" and the news program, "Panorama". V/s is Marcos Panduro Rivadeneyra, Gerente.
- 5120 R. Mundo, Cusco (Cusco). 1000-1120. A very weak signal, but still audible. One program noted, "Buenos Dias", with folklore music and messages to listeners. They frequently use Quechua and their ID usually is, "Radio Mundo le acompaña...". Measured on 5120.4kHz
- 5190 R. Nuevo Continente, Cajamarca (Cajamarca). Per Ralphus, SW service is inactive now because of transmitter problems. They received a report from Japan on Oct. 9, 1983, when they began to use the SW outlet again after repairing blown tubes. After only two hours of broadcast, the tubes blew again. There is still a great chance to hear this one if and when it reactivates. Their slogan is, "La emisora del pueblo y la juventud". Reports to Gerente General.
- 5325 R. Acobamba, Acobamba (Acobamba, Huancavelica). *1100v-1130. Audible when conditions are good. After the national anthem, a folklore program called, "Sentimiento Andino", is heard. The measured frequency is 5324.9kHz and nominal frequency is 5320kHz (ex-5322kHz).
- 5360 R. Visión, Juanjui (Mariscal Caceres, San Martin). *1000 (or *1100) - 1220. A fairly strong signal but sometimes with CW QRM. Plays folklore program, Monday through Saturday, and Pop recordings on Sunday. Formerly announced 3810kHz (as of July 1983) but not recently. Per Ralphus, they began operation on Feb. 2, 1980 on 1545kHz (500w) and appeared on SW the same date using 1.5 kW on 4915kHz with the call OAX9X. Programs are 1030 - "Amanecer Campesino" and 1130 - "Panorama Informativo". V/s Campos Rivera, Gerente.
- 5617 R. Ilucan, Cutervo (Cutervo, Cajamarca). *1100-1200. Noted a very weak signal from winter to early spring using the slogan, "Para todo el nororiente peruano". Mainly using Spanish but generally difficult to pick up words because of shallow modulation. The nominal frequency is 5620kHz, with 100w power.
- 5816 R. La Voz del Altiplano, Puno (Puno). 1030-1100. Occasionally noted with a weak signal and QRM from a Korean utility station so difficult to confirm. Check reception of Ondas del Titicaca on 4922kHz as a guide to possible reception of this one. The station was founded on February 17, 1967 and nominal frequency is 5960kHz, with German-made KBH transmitter. Slogan is, "La emisora de la familia". New casilla number is 406.
- 5950 R. Arequipa, Arequipa (Arequipa). *1100v-1130. (SW outlet is on one hour later than MW). Heard with news program, "El Extra", but QRM from co-channel Heilongjiang PBS and La Voz de Nicaragua (since moved). Station was founded on June 29, 1940 and uses slogan, "Radio Arequipa, ultima palabra en sonido". V/s is Pedro Rufino Zuñiga G.
- 5955 R. Huancayo, Huancayo (Huancayo, Junin). 0800-1100. Regularly heard especially in April and May. Plays a variety of music until 1100 then news. Their slogan is, "La voz del centro del Peru". The station was founded on January 6, 1935 and belongs to ORC (Organizacion Roberto Cruzado) which is a better way to verify this station than reports to station. Interestingly, this frequency seems to be popular among LA stations with these stations noted (and frequencies measured): R. Pio XII on 5954.2kHz R. Gazeta on 5954.8kHz, LV Centauros on 5954.9kHz and Radio Huancayo on 5955.2kHz.



PERU (cont'd)

- 5970kHz R. El Sol, Lima. *1000-1130. Well reported until June 1982 but not recently. QRM on the same channel from USSR. Still has famous folklore program from s/on called, "Sol en los Andes". Station was founded on July 14, 1950 by Compania de Producciones Radiales y Televisión, El Sol S.A. which went bankrupt in 1965. Three years later, station reopened under Promotora Siglo XX. V/s is Jose Hermoza A., Director de Noticias.
- 
- 5995 R. Melodia, Arequipa (Arequipa). 0900-1130. Reception is easiest from April to June with program "Melodia en los Andes" at 0900 and "Melodia en la Noticia" at 1000. They have a 24-hour service on MW and relays on SW from 0800-0100. Shortwave call is OAX6L, with 1 kW of power (but planning an increase to 3 kW). They use the slogan, "Inmensamente Popular". V/s Hermogenes Delgado Torres, Director Gerente.
- 6010 R. America, Lima. 1000-1100. Not heard recently here and are not always relaying MW 24 hours.
- 6021 R. Victoria, Lima. *1000-1150. Barely audible on measured 6020.7kHz. USB is needed because of Moscow Japanese service on 6020kHz. After the national anthem, "Amanecer Andino" follows with the first 30 minutes completely recorded, including time check. Their slogan is, "Estas son las emisoras de Victoria, sintonia de Bettowen". The theme music from Symphony No. 5 usually is heard. The station was founded on September 3, 1942. V/s Juan Ramirez Lazo says that there are no QSLs at hand and he is reluctant to confirm reports because it is tiresome!
- 6055 R. Continental, Arequipa (Arequipa). 1030-1100. Heavy QRM from NSB-Tokyo on the same channel and rarely audible on measured 6055.3kHz using USB mode. Their slogan is, "740 de Continental, la radio de Arequipa". The station is using an RCA transmitter with Delta-type antenna (12m high). SW calls are OAX6D (6055kHz) and OAX6E (9600kHz). Station was founded on Aug. 12, 1940. V/s is Dante Simoni V., Jefe de Depto. Tecnico. Please note that the 31mb frequency is currently not in use.
- 6061 R. JSV, Huanuco (Huanuco). *1100v-1200. QRM from R. Nacional de Buenos Aires on 6060kHz with JSV measured on 6060.7kHz. After a short absence, station noted again in December 1983 with better conditions. After canned opening announcements, the program, "Musica Peruana" begins. They use the slogan, "Eres tu Huanuco". V/s is José Martin Gomez, Locutor.
- 6096 R. Nacional del Perú, Lima. *1100-1200. Was heard for a period from June 1982 to September 1983. As of March 1984 they are off shortwave while they make a new 10 kW transmitter. Noted with news relay, "Radio Noticias en Nacional" which is network news program of Cadena Roja y Blanca de RTP. The station was founded on Jan. 30, 1937 and they use the slogan, "La voz del Perú". V/s Rafael Mego Carrzscal, Jefe de Programacion.
- 6115 R. Union, Lima. *1000v-1230. Gives a strong signal from spring to summer when co-channel USSR QRM is off. The programs noted: 1000-"Tierra Fecunda", 1100-"Vibraciones Latinoamericanas", 1130-news program, "El Diario de Union" on weekdays. They use the slogan, "La mas potente del pais, 65 kW de antena", and "A mayor potencia, mas oyentes, mas ventas". V/s Oberto Adrianzen Huaman, Gerente General.
- 6175 R. Tawantinsuyo, Cusco (Cusco). *1000-1100. Was regularly heard during the spring from 1978 but recently suffers QRM from co-channel BBC and R. Malaysia. Foundation was October 30, 1948 and is part of "Cadena Tawantinsuyo de Radiodifusion". Though it's announced in their ID, the 60mb outlet has been inactive for years. V/s Raul Montesinos Espejo, Gerente Director.

PERU (cont'd)

- 6189kHz R. Oriente, Yurimaguas (Alto Amazonas, Loreto). *1000-1100. Has not been heard as frequently as before due to QRM from, among others, the VOA. Formerly it was well heard in the spring. V/s Ricardo Arevalo Flores, Administrador.
- 6195 R. Cusco, Cusco (Cusco). *1000-1200. Audible on measured 6194.7kHz from winter to spring with QRM from BBC-Singapore on 6195kHz. The station was founded on April 11, 1936 and uses the slogan, "La voz de la capital arqueologica de america". V/s Elena Lizarraga Pacheco Coneda, Gerencia.
- 6200 R. La Voz de Huamanga, Huamanga (Huamanga, Ayacucho). *1030v-1200. A frequency change from 6070kHz and heard since mid-July 1983. The station belongs to "Cadena de Emisoras Cruz del Peru". V/s Margarita Franco, Secretaria.
- 6296 R. Chota, Chota (Chota, Cusco). 1100-1200. Heard more often than not from November to February, usually with RTTY or CW QRM. The station was founded on September 23, 1978 and, per Ralphus, uses the slogan, "Voz y mensaje de Acunta". The new address for reports Jiron 30 de agosto 518, Chota. V/s Manuel Fernandez Vasquez.
- 6324 Estación C, Moyobamba (Moyobamba, San Martin). *1000-1200. Well heard if there is no CW QRM. Measured frequency is 6323.6kHz. The program from 1100-1300 is "Amanecer Andino", per their announcement and the slogan used is, "La radio que apunta al futuro". Nominal frequency is 6365kHz.
- 6364 R. Moderna, Moyobamba (Moyobamba, San Martin). *1050v-1200. Rarely audible during good conditions on measured 6364.1kHz and suffers heavily from utility QRM. After the opening announcement, a program follows called, "Alborada Moyobambina--musica variada y selecta". Station was founded on November 25, 1982 and uses a Franvel 500w transmitter with a dipole antenna. Their slogan is, "Difusora de la musica andina y criolla". Official schedule is 1030-0400. V/s Porfirio Centurion, Director Gerente.
- 9486 R. Tacna, Tacna (Tacna). *0900 (or *1000)-1230. Regularly heard all year. After opening announcement, begins "Buenos Dias Peru" program. Station was founded on Aug. 28, 1940 and uses a Peruvian-made transmitter with a dipole antenna. They have two crystals for 31 meters (9505/9586kHz) to escape QRM from Radio Japan! This is especially true in their morning service. V/s Alfonso Caceres C., Sub-Gerente.
- 9510 R. America, Lima. 1100-1330. Irregularly heard in winter.
- 9520 R. La Cronica, Lima. *1000-1200. Jamming makes this station hard to catch. After the national anthem, their program is, "Fiesta en la Cronica" and the slogan is, "La Cumbre de la sintonia".
- 9531 R. Nacional del Perú, Tacna (Tacna). 1030-1200. This outlet reactivated in March 1984 but not heard since. Measured frequency is 9530.6kHz. Their slogan is, "La radio del Perú" and station is part of RTP, Cine, Radio y Television del Peru,S.A.
- 9580 R. Concordia, Arequipa (Arequipa). *0900-1130. A fairly good signal and well heard when there is not R. Moscow on the same channel. At 0900 program is "Concordia Folklorica", 1100-news program "El Noticiero de Radio Concordia". The station was founded on July 19, 1973 and began to use 31mb outlet on Sept. 28, 1983. Official schedule is 0900-2100. They use an RCA transmitter and a vertical antenna, 58m high. Their slogan is, "Concordia, la mejor alternativa en radio". V/s Victor Fernandez B.



- 9655kHz R. Norperuana, Chachapoyas (Chachapoyas, Amazonas). *1100-1200. Regularly heard, especially from November to January. Their slogan is, "La emisora radial de Huallaga". After the national anthem, a folklore program follows. The station is owned by CORDEAMAZONAS (Corporacion Departamental de Desarrollo de Amazonas) which also has TV station Canal 7. They began broadcasting in 1978 and the schedule is 1100-0200. V/s Augusto Roca Garda, Director.
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- 9675 R. del Pacifico, Lima. *1100-1300. Regularly heard when co-channel KGEI leaves the frequency for a few months from late November. Originally founded in 1961 as Ondas del Callao, in 1963 La Misión Alianza Evangelica and Padre Francisco Mydske reactivated the station as an evangelical broadcaster. Official schedule for the 3lmb outlet is 1100-2300 and the slogan is, "El mundo maravilloso de la musica". V/s Petronio Allauca, Director.
- 9756 R. Sideral, Pucallpa (Coronel Portillo, Ucayali). 0900-1200. Only once reported in August 1982, as far as we know, and is a very rare station! V/s Lolco Montalvan Ramirez, Director.
- 9988 R. Estación 2000, Rioja (Rioja, San Martin). *1130v-1300. Heard since March 1984 using the slogan, "La radio con personalidad". Measured frequency is 9988.4kHz. Reportedly using a 50w transmitter. V/s Pedro Rojas Melendez.

Tetsuya adds this footnote: "The above information has been written based on our own monitoring, replies from stations and visits to stations. Also useful tips from Ralpus (Ralph W. Perry) as reported in Radio Nuevo Mundo bulletins. For more information on Peruvians and other Latin American stations, we advise you to obtain "LA DXing" (3rd edition) which is to be published in the near future by Radio Nuevo Mundo. We wish you all best Latin American DXing and 73's!"

Brilliant work, Tetsuya and Takayuki, and thanks! If some confusion exists over the various provinces and departments indicated by parenthesis, the South American Handbook might help: "Peru's 25 Departments are divided into 150 Provinces, and the Provinces into 1,321 districts. Each Department is administered by a Prefect and each Province by a Sub-Prefect". Reception reports should always include the Department in the address. Not simply "Chachapoyas, Peru" but rather "Chachapoyas, Departamento de Amazonas, Peru". V/s indicates "verification signer" or someone known at the station to respond to reports. Addressing your reports to that individual is a plus. (JH)



Pennant Collecting

by Marlin A. Field · 128 Oak Street · Hillsdale, MI 49242

A number of stations over the years have sent pennants as souvenirs to DXers. At one time these stations were limited almost exclusively to Latin American ones. They were then joined by stations in the Communist countries followed by other international broadcasters.

I was introduced to this aspect of DXing close to twenty-five years ago, when I started in this hobby, when Emisora Nueva Granada in Bogota, Colombia, 6160 kcs., sent me a pennant, which became the first of the 480 that I now have from both shortwave and medium wave broadcasters.

What follows is a list of the shortwave stations that have at one time or another sent me a pennant. This list does not mean that these stations now send such souvenirs to DXers. Neither is this an exclusive list as there are stations that send out pennants that have as yet not sent me one. Also, there are DXers reporting receiving pennants from stations that I have not heard. Some stations have pennants only for special occasions, such as anniversaries; others send them rather consistently. Some, as Radio Peking, have a number of different pennants.

In some cases it seems that the listener must request the pennant. I did so in a report to Vatican Radio. Back came a small cardboard one with my QSL. A few weeks later came a large cloth one with a note from an employee of the English Department. She wrote that she had obtained it from the German Department, the only one with that type. (I had not requested a cloth one.) A few years ago I expressed my desire for a pennant when I sent a report to Radio Nor Peruana since I had none from that country. Back came a beautiful pennant and a personal letter that said that the writer hoped that this was the first pennant for me from Perú. It was; now I have around 20.

Some stations have certain requirements that the listener must meet before he receives the pennant, such as sending in so many reports. These seem to be primarily if not exclusively international broadcasters, as Polish Radio, Radio Portugal, Belgium Radio and Television, to mention a few. At one time Radio Tashkent promised a pennant after ten reports. In my case none came until I sent a letter to the station reminding it that I had met the requirements for the pennant. I had to do the same with Radio Ulan Bator, which promised a pennant on the second report. Polish Radio, before the crackdown, had a series of pennants for its listeners, each one being progressively more difficult to obtain, such as sending in a tape recording of the station on different frequencies or on the same frequencies on different nights.

In my collection are pennants from the government stations in Afghanistan, Argentina, Australia, Austria, Belgium, Brazil, Canada, China, Colombia, Costa Rica, Cuba, Czechoslovakia, El Salvador, France, Finland, German Democratic Republic, German Federal Republic, Ghana, Great Britain, Guatemala, Hungary, Iran, Iraq, Israel, Italy, Japan, Indonesia, Republic of Korea, Lebanon, Malaysia, Mexico, Mongolia, Netherlands, New Zealand, Nicaragua, Norway, Papua New Guinea, Philippines, Poland, Portugal, Perú, Rumania, Sao Tome, South Africa, Spain, Sweden, Taiwan, Turkey, United Arab Emirates, Venezuela, Vatican, North Vietnam, Yugoslavia, as well as the Soviet Union and some of its republics.

The following stations are also represented in my pennant collection:

Argentina

5880 R. Rivadavia, Buenos Aires
5985 R. Splendid, Buenos Aires
6090 R. Belgrano, Buenos Aires
9710 R. El Mundo, Buenos Aires

Bolivia

3480 R. Padilla, Padilla
4755 Radioemisoras Bolivia, Oruro
4845 Radio Fides, La Paz,
4875 R. La Cruz del Sur, La Paz
5045 Emisora Altiplano, La Paz,
5960 Emisoras Pio XII, Oruro
5980 R. Pan Americano, La Paz,
6006 R. Progreso, La Paz
6015 R. Animas, Chocaya



PENNANT COLLECTING (cont'd)

Brazil

- 3235 R. Clube de Merilia, Marilia ("Jesus is the Way" pennant)
3265 R. Tamandare, Recife
3285 R. Aparecida, Aparecida
4765 R. Soc. de Feira de Santana, Feira de Santana
4835 R. Triangulo Mineiro, Uberaba
4845 Radiodif. Teresina, Teresina
4855 Radiodif. Taubate, Taubate
4875 R. Jornal do Brasil, Rio
4885 R. Pioneira de Teresina, Teresina
4905 R. Relogis Federal, Rio
4925 Emis. Rio San Francisco, Penado
4955 R. Cultura de Campos, Campos
4995 R. Brasil Central, Goiania
5035 R. Anhanguera, Goiania
5055 R. Vitoria, Vitoria
5965 R. Guiba, Porto Alegre
5975 R. Guarujá, Florianopolis
6000 R. Inconfidencia, Belo Horizonte
6045 R. Clube Paranaense, Curitiba
6085 R. Jornal do Comercio, Recife
6105 Ceara R. Clube, Fortaleza
6135 R. TV Gaucha, Porto Alegre
6145 R. Nacional, Rio
6175 R. Guarani, Belo Horizonte
6185 R. Bandeirantes, Sao Paulo
9505 R. Record, Sao Paulo
11950 R. Ministerio da Educadora, Rio
17815 R. Cultura, Sao Paulo

Chile

- 6135 R. Universidad de Concepcion
9650 R. Soc. Nacional de Agricultura, Santiago
9700 Emisora Cooperativa, Santiago
1740 R. Nuevo Mundo, Santiago

Colombia

- 3280 R. Meridiano 70, Arauce
4785 Ecos del Combeims, Ibaque
4815 R. Guatapuri, Valleduper
4845 R. Bucaramanga
4855 R. Neiva
4875 R. Villavicencio
4905 Emisora Atlantico, Barranquilla
4945 R. Colossal, Neiva
4965 R. Santa Fe, Bogota
4975 R. Internacional, Cucuta
5020 Transmisora Caldes, Manizales
5035 La Voz de Caqueta, Florencia
5962 La Voz de los Centueros, Villavicencio
5995 La Voz del Pueblo, Pereira
6015 R. Mira, Tumaco
6040 La Voz del Tolima, Ibaque
6065 R. Super, Bogota
6095 La Voz del Centro, Espinel
6140 R. El Sol, Cali
6145 La Voz del Cauca, Popsayn
6150 Emisora N. Neva Granada, Bogota
6170 R. Valleduper
6195 La Voz de Cali

Costa Rica

- 5954 R. Casino, Puerto Limon
6006 R. Reloj, San Jose
6175 Pero del Caribe, San Jose
6150 R. Atenes, San Jose
6150 R. Titania, San Jose
6215 R. Monumental, San Jose
9615 La Voz de la Victor, San Jose

Dominican Republic

- 3365 R. Exitos, Santiago
4825 La Voz de las Fuerzas Armadas, Santo Domingo
4850 R. Clarín, Santo Domingo
6090 R. Television Dominicens, Santo Domingo
6190 La Voz de la Libertad, Puerto Plata

Ecuador

- 3240 R. Turismo, Otavalo
3315 R. Pastaza, El Puyo
3390 R. Zaracay, Santo Domingo de los Colorados
3985 Escuelas Radiofonicas Populares, Riobamba
4650 CRE, Radiodif. del Ecuador, Guaysquil
4712 R. Luz y Vida, Loja
4750 R. Mundo, Guaysquil
4770 R. Cenit, Portoviejo
4780 R. Atahualpa, Quito



PENNANT COLLECTING (cont'd)

Ecuador (cont'd)

4795 La Voz de los Ceres, Bahía
4815 Canal Manabita, Portoviejo
4820 R. Paz y Bien, Ambato
4830 Ondas del Angel, El Angel
4870 R. Rio Amazonas, Macams
4900 La Voz de Sasquisilí
4910 Emisora Gran Colombia, Quito
4923 R. Quito
4940 R. Nacional del Ecuador, Quito
5025 R. Splendit, Cuenca
5025 Ondas Azules, Cuenca
5035 R. Centinela del Sur, Loja
5070 R. Jesus del Gran Poder, Quito
6070 R. El Mercurio, Cuenca
6100 R. La Voz del Volante, Portoviejo
7600 Instituto Oceanografico de la Armada, Guayaquil
9745 HCJB, Quito
15325 Norea Radio (via HCJB)



Galapagos

4810 La Voz de Galapagos, Puerto Baquerizo Moreno

Guam

9640 KWTR, Agaña

Guatemala

3360 La Voz de Nahuala
3380 R. Escuela Radiofónicas, Chortis
4825 R. Mam, Cobrican
5955 R. Cultural, Guatemala
5980 Union Radio, Guatemala
6255 R. Nacional Tikal, Floren Peten
11700 R. Nacional, Quezaltenango

Honduras

4820 HRVC, Tegucigalpa
4845 R. San Isidro, La Ceiba
4910 La Voz de la Mosquitia, San Pedro Sula
5972 La Voz de Centro America, San Pedro Sula
6050 R. America, Tegucigalpa
6075 La Voz del Junco, Santa Barbara
6125 R. Suyapa, San Pedro Sula

Ireland

6315 R. Dublin International

Malta

6080 IBRA via R. Mediterran, Floriana

Mexico

6020 R. Eco de Sotavento, Veracruz
6090 XECM/XECMT, Ciudad Mante

Monaco

7295 Trans World Radio, Monte Carlo

Netherlands Antilles

9695 Trans World Radio, Bonaire

Nicaragua

9580 R. Mar, Puerto Cabeza

Paraguay

5995 La Voz del Amambay, Pedro Juan Caballero
6015 Emisoras Paraguay, Asuncion
6110 R. Charitas



PENNANT COLLECTING (cont'd)

Peru

4760 R. Tingo Maria
4895 R. Chenchamsyo, La Merced
4935 R. Tropical, Tarapoto
4995 R. Andina, Huancayo
4921 R. Ondas del Titicaca, Puno
5182 R. Atlántida, Iquitos
5025 R. Quillabamba, Cuzco
5950 R. Arequipa, Huancayo
5970 R. El Sol, Lima
6055 R. Continental, Arequipa
6060 R. JSV, Huanuco
6115 R. Union, Lima
6190 R. Oriente, Yurimagues
9492 R. Tsena
9655 R. Nor Peruanas, Chachapoyas
9675 R. del Pacifico, Lima
3330 R. Ondas del Huallaga, Huanuco

Philippines

11920 FEBC, Manila

Surinam

4794 R. Apinte, Paramaribo

Swan Island

6000 R. Americas

Swaziland

3335 Trans World Radio, Manzini

Uruguay

6045 Libertad Sport, Montevideo
6155 R. Carve, Montevideo.
11835 R. El Espectador, Montevideo

United States

15225 KGEI, San Francisco, Calif.

Venezuela

3255 La Voz de El Tigre
4760 R. Frontera, San Antonio
4780 La Voz de Carabobo, Valencia
4790 Ondas Puertas, Puerto la Cruz
4830 La Voz del Tachira, San Cristobal
4870 R. Tropical, Caracas
4930 R. Junin, San Cristobal
4980 Ecos del Torbes, San Cristobal
6000 R. Sensación, San Antonio de los Altos
6120 R. Angostura, Ciudad Boliver

Pirates

6248 R. Syncom, USA
6235 European Music Radio, England
7425 R. Liberation, USA

Newest ones

5995 R. Melodia, Arquipa, Peru
5030 R. Los Andes, Huaschuco, Peru
9580 R. Concordia, Arequipa, Peru

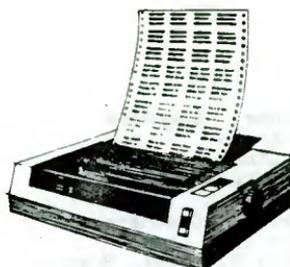


Note: The word "pennant" has been used rather loosely. In some cases it was difficult to tell whether the souvenir received was a sticker or pennant. In such cases they were counted as pennants. Also included are items received that seemed to be stickers but the station called them pennants. If all pennants were cloth and three-sided as they were "in the good old days," such determinations wouldn't be necessary.

The frequency given is the one the station was using at the time that the pennant was sent.

Not much else to add this month. No, there's no truth to the rumors that next month's column will feature a newspaper clipping with type so small it can only be read with an electron microscope. That's just not true! 73s-

Huh



Computer Corner

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

***** RECEPTION REPORT *****

Well folks, here's the one you've been asking for. A Program to write your reception reports. It's also one I've been resisting writing, but more about that later.

Since my first Program appeared in SWC, I have received requests to write a Program that produces reception reports. After the Program in the April SWC, I again received the same suggestion and a request for help from NASWA member Doug McClure of Medina OH. Doug was working on a report Program and was having difficulties. He sent along the Program. I dialed in Radio Reloj for company and sat down to the keyboard. This Program is the result of Doug's and my efforts. Doug wrote the data input routine and elements of the Print routine. I added the menu screen, save report, recall report and hardcopy routines.

Type in the Program and then SAVE it to tape or disk. RUN the Program and the menu appears. Prepare the report by answering the computer's questions. Don't worry if you make a mistake since the computer periodically checks for mistakes and gives the opportunity to correct data. After the report data is entered, the menu reappears and allows you to print it, save it to tape or both. If you need to send a follow-up report, your report can be recalled from tape and reprinted as many times as necessary. A save to disk or video display routine was not put into the Program, but with a little experimentation these can be added. Doug has already added video to his copy.

Now, I've said that I resisted writing this type Program and some explanation is needed. Many large broadcasters will respond to a short form type letter. Some (R Bras, R Japan, REE, HCJB for example) even distribute forms to listeners for reporting. This won't do for small regional or local stations. In DXing ACCORDING TO NASWA Ed Shaw states, "A personal letter is much more desirable for smaller stations. Try to make your letter useful, yet as short as possible." I personally recommend the use of a word-processing Program to all DXers. With a word-processor you can type, correct spelling, edit, delete, and many other functions as well as save your compositions to tape or disk. This article is being written by a word processing Program. Interestingly enough the Program didn't cost me a cent. It was printed in COMPUTE'S GAZETTE Magazine.

For those who don't want to type the Program, Reception Report is available for the VIC-20 or Commodore-64 on cassette from the ANARC Computer Information Committee for a nominal copy and postage fee. To receive a listing of all Programs available from ANARC, send an addressed envelope with 40 cents postage to: ANARC Computer Information Committee, 6700 153rd Lane NW, Anoka, MN 55303.

```
1 REM RECEPTION REPORT**FOR THE COMMODORE-64**BY DOUG MCCLURE AND BILL COLE
3 REM REPRODUCTION FOR PERSONAL USE PERMITTED
5 POKE53280,1:POKE53281,1:PRINT"*****":GOTO500
10 PRINT"J"TAB(12)"RECEPTION REPORT":PRINT:INPUT"STATION NAME":TX$:PRINT
30 PRINT"STATION ADDRESS (UP TO 79 CHARACTERS)":INPUTTA$:PRINT
```

```

40 INPUT"YOUR NAME";N$:PRINT:PRINT"YOUR ADDRESS (UP TO 79 CHARACTERS)"
60 INPUTY$:PRINT:INPUT"FREQUENCY";F:PRINT:INPUT"DATE HEARD (GMT)";D$:PRINT
80 INPUT"RECEIVER";RX$:PRINT:INPUT"ANTENNA";AN$:PRINT
96 PRINT:INPUT"DATA CORRECT Y OR N";A$:IFA$="N"THEN10
100 PRINT"J":INPUT"HOW MANY PROGRAM DETAILS(UP TO 10)";Z
115 FORJ=1TOZ:PRINT"J":INPUT"TIME OF DETAIL";T$(J):PRINT
125 PRINT"ENTER DETAIL (UP TO 79 CHARACTERS)":INPUTP$(J):PRINT
135 INPUT"SINPO";S(J):PRINT
141 PRINT:INPUT"DATA CORRECT Y OR N";A$:IFA$="N"THEN115
145 NEXTJ
150 PRINT"J":INPUT"RECEIVING CONDITIONS";RC$:PRINT
160 INPUT"INTERFERENCE(Y/N)";I$:PRINT:IFI$="Y"THENINPUT"FROM WHAT";IS$
167 IFIS$=""THENIS$="N"
175 PRINT:INPUT"DATA CORRECT Y OR N";A$:IFA$="Y"THEN500
190 IFA$="N"THEN150
195 PRINT"J":PRINT:PRINT:PRINTTAB(12)"PRINTING REPORT":OPEN1,4:CMD1:PRINT
200 PRINT"TO RADIO STATION: ";TX$:PRINTTA$:PRINT
220 PRINT"FROM: ";N$:PRINTYA$:PRINT:PRINT
230 PRINT"I AM PLEASD TO REPORT THE RECEPTION ";D$;" OF YOUR STATION ON OR ABOUT:"
235 PRINT";KHZ. THE FOLLOWING DETAILS WERE NOTED:";PRINT:FORJ=1TOZ
265 PRINT"TIME: ";T$(J) (GMT);PRINT"DETAIL: ";P$(J):PRINT"SINPO: "S(J)
280 PRINT:NEXTJ:PRINT:IFI$="N"THEN320
305 IFIS$="Y"THENPRINT"YOU HAVE INTERFERENCE FROM: ";IS$;","
320 PRINT"RECEIVING CONDITIONS WERE ";RC$;","
325 PRINT:PRINT"MY RECEIVER IS A ";RX$;",";PRINT"MY ANTENNA IS A ";AN$;",";PRINT
:PRINT
333 PRINT"IF THIS REPORT IS CORRECT, YOUR VERIFICATION BY CARD OR LETTER WOULD B
E"
335 PRINT" MUCH APPRECIATED. ";PRINT:PRINT:PRINTSPC(50)"SINCERELY":PRINT#1:CLOSE1
500 PRINT"J":PRINTTAB(12)"RECEPTION REPORT":PRINT:PRINTTAB(18)"MENU":PRINT
510 PRINT:PRINTTAB(13)"PREPARE REPORT":PRINT:PRINT:PRINTTAB(13)"SAVE REPORT"
520 PRINT:PRINT:PRINTTAB(13)"RECALL REPORT":PRINT:PRINT:PRINTTAB(13)"HARDCO
PY REPORT"
525 GETA$:IFA$=""THEN525
530 IFA$="P"THENCLR:GOTO10
535 IFA$="S"THEN610
540 IFA$="R"THEN800
541 IFA$="H"THEN195
545 GOTO525
610 PRINT"J":OPEN1,1,1:PRINT#1,TX$:PRINT#1,TA$:PRINT#1,N$:PRINT#1,YA$:PRINT#1,F
615 PRINT#1,D$:PRINT#1,RX$:PRINT#1,AN$:PRINT#1,Z
621 FORJ=1TOZ:PRINT#1,T$(J):PRINT#1,P$(J):PRINT#1,S(J):NEXTJ
630 PRINT#1,RC$:PRINT#1,I$:PRINT#1,IS$:CLOSE1:PRINT"J":PRINT
640 PRINTTAB(14)"REPORT SAVED":FORT=1TO2000:NEXT:GOTO500
800 PRINT"J":PRINT:PRINT"ENTER STATION NAME":INPUTSN$
815 PRINT"J":OPEN1,1,0:INPUT#1,TX$:INPUT#1,TA$:INPUT#1,N$:INPUT#1,YA$:INPUT#1,F
820 INPUT#1,D$:INPUT#1,RX$:INPUT#1,AN$:INPUT#1,Z
825 FORJ=1TOZ:INPUT#1,T$(J):INPUT#1,P$(J):INPUT#1,S(J):NEXTJ
835 INPUT#1,RC$:INPUT#1,I$:INPUT#1,IS$:CLOSE1:IFSN$<>TX$THEN815
845 PRINT"J":PRINT:PRINTTAB(12)"REPORT RECALLED":FORT=1TO2000:NEXT:GOTO500

```

Frank Aden of Boise, Idaho writes to say that he uses his VIC and C-64 in both SW and BCE DXing. Frank is looking for a logging program and a Spanish language reception report program. How about some of our Español experts working up a Spanish version of Reception Report for Frank?

Doug McClure called a couple of weeks ago with a hot DX tip on the last Space Shuttle Mission. Doug is currently working on a program which creates a database containing QSL addresses for a great number of stations. He reports that he is just about done and will work up an article to appear in a future edition of Computer Corner.

NEXT MONTH: Log Processor, NASWA Log Report revisited and expanded to perform 5 separate functions.



Editor: James G. Herkimer, 3255 South Drive, Caledonia, NY 14423

Considerations On Homebuilt Receivers

by Jack Perolo, PY2PE1C

Sao Paulo, Brazil

Most people regard building a communications receiver of competitive quality with commercial standards as being out of reach, primarily because of the added complexity and sophistication that has developed in this area in recent years. While I have to admit that there is considerable truth in this, the fact remains that it is still possible to homebrew a high performance communications set, provided some precautions and some concessions are made beforehand. This article will explore some of those possibilities.

There is no doubt that the "one-tube regenerative set" that was so fashionable in the 1920's, belongs to a by-gone era and there would be no way, nowadays, to come up with anything that simple - - and still be up to current commercial standards. But if a prospective builder is willing to dig deeper into this area, he will find out that a commercial set is based upon a certain number of fixed building blocks - - that can be developed and tested individually at home as separated projects; and then, by conveniently matching these building blocks, one can transform them into a high caliber receiver. In fact, one can go as far as saying that, depending on what basic requirements a designer has in mind, a homebuilt set can exceed commercial gear - - for the application it was designed for.

After a short stint into ham radio (where I was introduced to the homebuilding blues), my interest turned to SWling, primarily in the range 2-6.5 MHz. Simple and basic as this type of operation is, for many years there was no top quality communications set on the U.S. market that could simultaneously provide sensitivity, selectivity, frequency read-out, and portability for this purpose. I'm adding portability to my basic requirements as I happen to go to a farm out of town - - equipped with a 476 ft. long inverted L antenna and where receiving conditions are good - - but obviously the idea of moving a bulky receiver back and forth is not the most convenient way to enjoy those DX'peditions.

In a sense, such a receiver is still not available today - - or, perhaps, I am getting too picky as I have developed my own receivers and I still can't find anything commercially to match them.

What were the concessions (mentioned previously) that made this design possible? One, limited coverage (2 to 6.5 MHz). Some might add, with some reason, that given the cost of these projects and the time involved, it might not be entirely reasonable to devote some much effort to projects so limited in scope. But the fact remains that for such a narrow front-end one can provide truly remarkable performance.

I have further been my experience, that for the average homebuilder, the chances of good results are better by starting (and staying) with basically simple designs - - and while my background and the resources of my workshop beat the definition of "average" homebuilder, I have long concluded that truly peak performance is easier to achieve on a monoband single-conversion set rather than on a continuous coverage multi-conversion receiver. In fact, in a narrow-band single-conversion receiver it is considerably easier to develop a conversion scheme where there are no in-band spurious. To a varying extent, most continuous coverage receivers display some amount of internal spurious responses, as the designer was forced to compromise on them in order to achieve the desired frequency coverage.

Having built double and triple conversion sets, even using the modern high frequency I.F. crystal filters, there is no doubt in my mind that results are much better and easier to achieve using single-conversion sets. The bandswitching can get especially messy, and I have tried different routes around it; one good option to always use a high ratio reduction gear to tune the set, to enable 20-30 kHz per knob revolution - - but still

keeping the set as a monobander. Also in terms of calibration, a monobander is easier to handle and no compromise is necessary to tune it to peak performance.

With these principles in mind, I have developed and polished this concept over the years; so far I have built 78 receivers (the 79th is in the works now) and the basic characteristics of my current design are outlined and commented below:

Size: 2"H x 5"W x 6"D to make it truly portable

Coverage: 2.0 to 6.5 MHz, monobander

Selectivity: 9.0 MHz crystal filter with a bandwidth of 1.8 kHz at -6 dB. (other bandwidths commercially available are 2.4 or 2.8 kHz at -6 dB)

Sensitivity: around 125 dB, or in more popular terms, less than 1 microvolt into the antenna.

Drain: 100 mA at 12 volts, but the set has a built-in power supply to operate directly from a 110 volt A.C. source. Drain can be reduced to 50 mA by switching the counter off when not scanning the band.

Time to build: about 300 hours, but I already have the basic pattern in mind for several of the printed circuits; by starting everything from scratch, perhaps the first set might require 350-400 hours.

Cabinet: 16 gauge stainless steel. Even though this material is more demanding to work, after it is fabricated and finished it will forever keep its "like-new" look. There is no scratched paint to worry about. To keep the metal from shining, I sandblast it.

Weight: about 5-6 lb. The set is heavy because of the sturdy construction. All of the chassis is made of 1/8" thick aluminum plate, for top electrical and mechanical stability.

Stability: drift after 5 minutes warm-up is below 50 Hz. per hour. No retuning is needed when remaining on a DX station for a long period of time.

Tuning rate: generally 25 kHz per tuning knob rotation, or less. This leads to a truly "velvet" feeling. The reducer is a high quality gear reducer with anti-backlash gears.

Perhaps more important than expressing the performance in specs is the pleasure to tune a custom built receiver, specifically tailored to one's requirements - such as the frequency coverage, the right tuning rate, and the right tilt or viewing angle. To this effect, for prospective builders, the list of references at the end of the article offers some options and choices. All articles published by Ham Radio magazine are reasonably detailed step-by-step construction affairs based on which an individual with previous electronic building background can duplicate the communications receiver involved. The same article indicates the source or supplier of hard-to-find components.

I should further add that some of the mechanical solutions used in my designs (such as the stainless steel cabinet or the engraved front panel) are merely satisfying an aesthetic urge. These projects can be made to perform to the standards mentioned using commercially available chassis and cabinets. In fact, by making the receiver larger than what I have specified, the construction may get easier without any performance degradation.

Judging from the mail I have received on this matter, some of these designs have been duplicated, and are operating in some exotic places: an Exxon technician working in Libya built one, a postal employee living just outside Bombay, India, and a carpenter in northern Sweden,

What are the plans for the future? I'm now primarily working on size reduction without sacrificing performance and without resorting to ultraminiature components that are generally quite delicate to handle. While I have already done it several times in the past, winding a 9 MHz I.F. coil with a core diameter of 1/16th" requires extreme care and I'm always left with the feeling that something may have been mishandled or may malfunction while on a field day or on a trip. Hopefully, some of the future sets may measure 1-1/2"H x 5"W x 5"D. I have been able to do this in the past, for instance, the GP-35, a 1973 vintage design, sporting a Collins mechanical filter and mechanical frequency readout, covering 4.5-5.5 MHz, but the current idea is to use electronic digital frequency readout with at least 3/8" high DSP and a 9 or 10 MHz crystal filter. The physical dimensions of these components cannot be reduced and they will impose a limitation of their own to overall set size. If everything goes according to plan, such a set should be operational in time to see service during the 1985 DX'ing season, which in Brazil lasts roughly from April to October.

References/Construction Articles

1. "A Transistorized Communications Receiver with Digital Frequency Readout," QJ, July/August 1970, p. 14.
2. "A General Coverage Solid-State Communications Receiver with Direct Digital Frequency Readout", QJ, August 1973, p. 28.

3. "A Double- Conversion HF Receiver with Mechanical Digital Frequency Readout", Ham Radio, October 1976, p. 26.
4. "A Portable Monoband SW Receiver with Electronic Digital Frequency Readout", Ham Radio, January 1980, p. 42.
5. "Practical Considerations on Crystal Filter Design", Ham Radio, November 1976, p. 34.
6. "Portable SW Converter", Ham Radio, April 1981, p. 61.
7. "A 2 to 6.5 MHz Portable SW Receiver", Ham Radio, April 1984, p. 67.

Many thanks to Jack Perolo, PY2PE1G, for this most interesting article. Your editor has been following Jack's series of receiver construction articles since discovering the first, (Reference #1) in the July/August CQ from 1970. Jack was a faithful reporter to Hank Bennett's "Popular Electronics" shortwave column for many years, (hence the call-sign he uses, they were issued by Popular Electronics as part of a Monitor Registration program) and has since supported NASWA, and more recently, Numero Uno.

While I'm at it, I'd like to take the opportunity to thank the various contributors' to "Technical Topics" the past few months. Support has been excellent, so much so that your editor hasn't had the opportunity to get a word in edge-wise! July's column featured "A Critical Review of the ICOM ICR-71A", by John R. Tow. August contained the ICR-70 User's Notes, with comments by Steve Reinstein, Chuck Bolland, Terry L. Krueger, Bob Wilkner, and your editor. September featured "Modern Receiver Design and Short Wave Listening", by Kurt Enkenhus, and October had John R. Tow's "Uniden CR-2021 Review". Again, my sincere thanks.

While your editor's role has been reduced to that of typist these last few months, (no complaints, believe me!) the majority of my spare time has been spent preparing for the coming season. The latest project has been the restoration of a Racal RA-17C receiver, which was part of the dismantled Canadian Department of Defense Monitoring Station in Ottawa. Dumont Electronics of Montreal sold the receivers for the unbelievable price of \$ 150 each, including the RA 237B longwave converter. Unfortunately, Dumont was besieged with requests for the receivers, and several people, including your editor, endured long delays in receiving them. Thanks to Canadian International DX Club's "Logbook East" editor, Sheldon Harvey, the remaining receivers were finally shipped.

After years of workhorse service, the receivers, as delivered, appear to be quite dirty, and somewhat battered. I was amazed, after an initial cleaning, however, that my RA17C performed satisfactorily, with no servicing required other than realignment of the 37.5 MHz filter/Amp network. After using this receiver for awhile, I can only conclude that it is by far the most sensitive receiver I have had the pleasure of using. Sensitivity is definitely less than 1 microvolt on all bands, and any overloading likely to occur can be alleviated with the attenuator in the first position, used in conjunction with the manual RF/IF Gain controls. Selectivity is not bad, but certainly not on a par with modern filters. Bandwidths available are 8/3/1.2/.75/.3/ and .100 kHz.

Briefly, the Racal RA17C is a 22-tube receiver which uses a Wadley loop, i.e., there are separate tuning controls for MHz and kHz. The MHz tuning knob has no detents, and basically, tunes much like the popular FRG-7. The receiver weighs 67 pounds, and is intended to be mounted in a 19" rack, therefore, there is no cabinet. The kHz tuning knob covers 1 MHz with readout to 1 kHz. The rotating tape provides about 6 inches of scale length per 100 kHz. A built-in calibrator provides marker every 100 kHz.

Audio output is provided by a built-in 2" speaker which I find practically useless, plus 2 headphone output jacks located on the front panel. Audio quality on headphones is quite pleasing, and no distortion was experienced when the volume control was advanced.

Originally, the tube-type Racals were manufactured from the late 50's through the early 60's. They are often considered the British counterpart to the Collins-designed R390A, however, the high sensitivity and lack of adequate I.F. filtering (by modern standards) tend to remind me of the Hammarlund SP600, another military surplus receiver.

Now armed with both an R390A and a Racal RA17C, I look forward to a rewarding DX season.

With that, I'll say 73- and see you next month! *Jim*

DX INDEX

DX INDEX

DX INDEX

DX INDEX

CHARLES BOLLAND
4066 ASTER COURT
LAKE WORTH, FL 33461

Our first station for investigation this month is Radio Tarma, which is located in Tarma, Peru. The WRTH lists its frequency on shortwave as 4776 kHz variable. However, the loggings that have been published in FRENDX for the last two years indicate that Radio Tarma is solidly transmitting on 4775 kHz.

The stations's schedule is from 1100 UTC until 1400 UTC and from 2000 UTC until 0500 UTC on shortwave. With this schedule there is plenty of time to hear Radio Tarma, but unfortunately this has not been the case here in North America. FRENDX reporters have consistantly heard this station at just a few specific times during its transmission periods. These times have generally fallen at sign on until twenty or so minutes after 0200 UTC, 0300 UTC, and between 0400 UTC and 0600 UTC. Although the schedule says sign off is 0500 UTC, Radio Tarma probably transmits according to local daylight saving times.

Radio Tarma has been heard as early as August and as late as April during the season. February and March, however, have shown to be the best months for receiving the station based on a study of the loggings in FRENDX. In addition, the sign on at 1100 UTC has been the time period most heard.

There is not much to the station's identification format. Just two slogans have been published, "Radio Tarma del Peru" and "Radio Tarma." The station's shortwave call sign is OCX4E and its medium wave call sign is OCX4J. It is not know whether these call signs are given during sign on or sign off. Incidentally, Radio Tarma broadcasts on 1510 kHz medium wave continuously from 1100 UTC until 0500 UTC.

Radio Tarma's program format is usually music, with the majority of the programs presenting Huaynos music. In the evening, however, a program of "Romantica" music has been heard after 0300 UTC. During the 0300 UTC program, the station was giving station indents after each tune. Details for this period have been sketchy, consequently it is not known whether this is a daily program.

Another interesting characteristic of Radio Tarma is the announcers. In the mornings the announcer has always been a man according to a study of the loggings in FRENDX. But if a woman is heard on this frequency in the evenings, chances are you are listening to Radio Tarma. Evening loggings have consistantly noted a woman announcing on the station.

Checking the ;QSL Reports! section of FRENDX, the majority of reception reports answered by Radio Tarma have been in Spanish. Usually the reports were answered with a QSL card and a personal letter signed by Mario Monteverde P., Gerente. One on occasion, in addition to the card and letter, a station pennant was received. It seems that Mario Monteverde enjoys answering Spanish reports since his replys were received by the reports within an average of thirty days according to the QSL reports.

A number of other stations are listed on 4775 kHz according to the WRTH, but with the details that we have now concerning Radio Tarma, there should not be any problem recognizing the station if and when it becomes audible. In the meantime, I would like to hear from anyone who has found this information beneficial. Good listen-until next time.

Compiled by Roger Legge, Box 232, McLean, VA 22101

* - Not intended for NA, but reception good.

MORNING

EST	UTC		
6:00-7:00am	1100-1200	Peking, China	9820
6:00-7:50am	1100-1250	Pyongyang, No. Korea	9745, 9977
6:00-8:00am	1100-1300	Moscow, USSR	6115h, 15100, 15135, 15150, 15485
6:00-8:30am	1100-1330	London, England	5965c, 6195w, 11775w, 15070
6:00-10:00am	1100-1500	Melbourne, Australia	9580
6:15-7:35am	1115-1235	TWR, Bonaire, NWI	11815, 11875
7:00-7:30am ns	1200-1230 ns	Helsinki, Finland	15400, 17800
7:00-7:55am	1200-1255	Peking, China	9820, 11650
7:15-10:30am	1215-1530	HCFB, Quito, Ecuador	15115, 17890, 11740 (to 1430)
7:30-8:00am	1230-1300	Vienna, Austria	15320 (Sun: 1200-1300)
7:35-7:45am	1235-1245	Athens, Greece	11645, 15630
8:00-8:25am M-F	1300-1325 M-F	Montreal, Canada	9650, 11955
8:00-8:30am ns	1300-1330 ns	Helsinki, Finland	15400, 17800
8:00-10:00am	1300-1500	Moscow, USSR	11840h, 15100, 15135, 15150, 15475, 15485
8:15-8:45am	1315-1345	Berne, Switzerland	17765
9:00-9:30am	1400-1430	Helsinki, Finland Stockholm, Sweden	15400, 17800 (Sun.: 1330-1500) 17860
9:00-9:45am M-F	1400-1445 M-F	Brussels, Belgium	17610
9:00am-12n Su	1400-1700 Su	Montreal, Canada	11955 ("Sunday Morning")
10:00-10:30am	1500-1530	Helsinki, Finland	15400
10:00am-12n	1500-1700	Moscow, USSR	11840h, 15100, 15475
11:00am-12n	1600-1700	*Paris, France	15315, 17620, 21685 (Paris Calling Africa)
11:00am-1245pm	1600-1745	London, England	9515c, 15070, 15260c

AFTERNOON

12n-5:00pm	1700-2200	Moscow, USSR	7440, 9520, 9710, 9765, 11840h, 11860
3:00-3:30pm	2000-2030	Jerusalem, Israel	9420, 9440, 11655, 12025
4:00-4:55pm	2100-2155	*Johannesburg, So. Africa	9585, 11900, 15155
4:30-5:00pm	2130-2200	*Sofia, Bulgaria	7115, 9700, 9745

EVENING

5:00-5:50pm	2200-2250	Tripoli, Libya	11815
5:00-6:00pm	2200-2300	Ankara, Turkey	9660
		London, England	5975, 6175w, 7325, 9915
		Moscow, USSR	7115, 7195, 7215, 7440
5:30-6:00pm	2230-2300	Jerusalem, Israel	7410, 9440, 9815, 11655
5:30-6:30pm	2230-2330	Sofia, Bulgaria	6070, 11870
6:00-6:30pm	2300-2330	Montreal, Canada Stockholm, Sweden	9755, 11710 (The World at Six) 6045
		Vilnius, Lith. SSR	7135, 9685, 15240, 17870
6:00-7:30pm	2300-0030	London, England	5975, 6120c, 6175w, 7325, 9590c, 9915
6:00-8:30pm	2300-0130	Moscow, USSR	6115h (from 0000), 7100, 7115, 7150, 7165, 7185, 7195, 7215, 7320, 7440
7:00-7:30pm Su	0000-0030 Mo	Oslo, Norway	9585 ("Norway Today")
7:00-7:30pm	0000-0030	Jerusalem, Israel	7412, 9440, 9815
		Montreal, Canada	5960, 11850
		Tirana, Albania	7065
7:00-8:00pm	0000-0100	Peking, China	9860, 11650, 11860
		Sofia, Bulgaria	6070, 9700
		Tokyo, Japan	9675, 11860
7:00-9:00pm	0000-0200	Madrid, Spain	9630, 11880
7:15-8:00pm	0015-0100	Berlin, DDR	9730, 11975

EST	UTC		
7:30-8:00pm	0030-0100	Kiev, Ukr.SSR	7135, 7205, 9685, 15240
		Montreal, Canada	5960, 11850 (As It Happens M-F)
7:30-8:15pm	0030-0115	Brussels, Belgium	5910
7:30-9:30pm	0030-0230	HCJB, Quito, Ecuador	9745, 15155
7:30-10:30pm	0030-0330	London, England	5975, 6120c, 6175w, 7325, 9590cy (to 0230)
7:50-8:05pm	0050-0105	Vatican City	6015, 9605, 11845
8:00-8:20pm	0100-0120	Rome, Italy	5990, 9575
8:00-8:30pm	0100-0130	Jerusalem, Israel	7412, 9440, 9815
		Montreal, Canada	5960, 9755
8:00-8:45pm	0100-0145	Berlin, DDR	9730, 11975
8:00-8:50pm	0100-0150	Cologne, W. Germany	6040w, 6085m, 6145, 9545w, 9565m, 11785m
8:00-9:00pm	0100-0200	Managua, Nicaragua	6015
		Prague, Czechoslovakia	5930, 7345, 9540, 9740, 11990
8:00-10:00pm	0100-0300	Peking, China	9860, 11650, 11860 (to 02)
8:00-11:50pm	0100-0450	Havana, Cuba	6090
8:30-8:45pm	0130-0145	Athens, Greece	7370, 9420, 9865
8:30-9:00pm	0130-0200	Tirana, Albania	7120, 9760
		Vienna, Austria	5945, 9770
8:30-11:00pm	0130-0400	Moscow, USSR	6115h, 7100, 7115, 7150, 7185, 7215 (to 03), 7320, 7440, 9700
8:45-9:15pm	0145-0215	Berne, Switzerland	6135, 9725, 9885, 12035
9:00-9:30pm	0200-0230	Budapest, Hungary (not Su.)	6025, 6110, 9520, 9835
		Jerusalem, Israel	7412, 9440, 9815
		Montreal, Canada	5960, 9755 (The World at Six)
9:00-10:00pm	0200-0300	Brasilia, Brazil	15290
		Bucharest, Romania	5990, 6155, 9570
		Buenos Aires, Arg. (M-F)	11710, 15345
		Johannesburg, So. Africa	5980, 6010, 9615
		Taipei, Taiwan	5985 (via WYFR)
		Warsaw, Poland	6095, 7145, 7270, 9525
9:00-10:30pm	0200-0330	Cairo, Egypt	9475, 9675
9:30-10:00pm	0230-0300	Montreal, Canada (M-F)	5960, 9755 (As It Happens)
		Tirana, Albania	7120, 9760
9:30-10:15pm	0230-0315	Berlin, DDR	9730, 11975
10:00-10:30pm	0300-0330	Budapest, Hungary	6025, 6110, 9520, 9835
		Kiev, Ukr.SSR	7135, 7205, 7215
		Lisbon, Portugal	6060, 11925
		Montreal, Canada	5960, 9755
10:00-10:50pm	0300-0350	Ankara, Turkey	9660
10:00-11:00pm	0300-0400	Prague, Czechoslovakia	5930, 7345, 9540, 9740, 11990
		Warsaw, Poland	6095, 7145, 7270, 9525
10:15-10:30pm	0315-0330	*Paris, France	9790gu, 11670gu
10:30-11:00pm	0330-0400	Dubai, UAE	9565, 11730
		Tirana, Albania	6200, 7300
		Vienna, Austria	5945, 9770
10:30-11:30pm	0330-0430	London, England	5975, 6120c, 6175w
10:40-10:50pm	0340-0350	Athens, Greece	7370, 9420, 9865
11:00-11:30pm	0400-0430	Bucharest, Romania	5990, 6155, 9570
		Montreal, Canada	5960, 9755
11:00pm-12mdt	0400-0500	Managua, Nicaragua	6016
		Sofia, Bulgaria	7115
11:00pm-1:00am	0400-0600	Moscow, USSR	6115h (to 05), 7135, 7150, 7320
12:00-12:15am	0500-0515	Jerusalem, Israel	9009, 9440, 9815

MORNING

PST	UTC		
6:00-7:00am	1400-1500	Seoul, So. Korea	9750, 15575
6:00-9:00am	1400-1700	Moscow, USSR (via Khab.)	5900, 7150, 7175, 7290
6:00-11:00am	1400-1900	Melbourne, Australia	9580
7:00-7:30am	1500-1530	Helsinki, Finland	15400
7:00-8:00am	1500-1600	Tokyo, Japan	9505
7:35-7:45am	1535-1545	Athens, Greece	11645, 15630
8:00-8:30am Su	1600-1630 Su	Oslo, Norway	11860
8:00-9:45am	1600-1745	London, England	9515c, 15070, 15260c
9:00-9:30am	1700-1730	Tokyo, Japan	9505
9:00am-12n	1700-2000	Moscow, USSR (via Khab.)	7175, 7290, 9795, 11790

AFTERNOON

12n-3:00pm	2000-2300	Moscow, USSR (via Khab.)	12050, 15140, 15455
1:40-2:40pm	2140-2240	Taipei, Taiwan	11825, 15270, 15345
2:00-5:00pm	2200-0100	Melbourne, Australia	15320, 15395, 17795
3:00-3:30pm	2300-2330	Tokyo, Japan	17755
		Vilnius, Lith. SSR (via Khab.)	15100, 15240, 17870
3:00-4:50pm	2300-0050	Pyongyang, No. Korea	15230
3:00-5:00pm	2300-0100	Moscow, USSR (via Khab.)	12050, 15140, 15455, 17700, 17720
4:00-5:00pm	0000-0100	Peking, China	9860, 11650, 11860
4:30-5:00pm	0030-0100	Kiev, Ukr. SSR (via Khab.)	15100, 15240, 17870
		Montreal, Canada	5960, 11850 (As It Happens M-F)
4:50-5:05pm	0050-0105	Vatican City	6015, 9605, 11845

EVENING

5:00-5:20pm	0100-0120	Rome, Italy	5990, 9575
5:00-5:30pm	0100-0130	Jerusalem, Israel	7412, 9440, 9815
		Montreal, Canada	5960, 9755
		Tokyo, Japan	17755
5:00-5:00pm	0100-0200	Madrid, Spain	9630, 11880
		Taipei, Taiwan	11825
5:00-6:30pm	0100-0230	London, England	6120c, 6175w, 9590cy, 9915, 11750a
5:00-7:00pm	0100-0300	Peking, China	9860, 11650, 11860 (to 02)
5:00-8:00pm	0100-0400	Moscow, USSR (via Khab.)	12050, 15140, 15455 (to 03), 17700, 17720
5:00-8:50pm	0100-0450	Havana, Cuba	6090
5:00-9:00pm	0100-0500	HCJB, Quito, Ecuador	9745, 15155
5:30-5:45pm	0130-0145	Athens, Greece	7370, 9420, 9865
5:45-6:45pm	0145-0245	Seoul, So. Korea	11810, 15575
		Tokyo, Japan	15195, 17825, 21610, 21640
6:00-6:30pm	0200-0230	Budapest, Hungary (not Su.)	6025, 6110, 9520, 9835
		Jerusalem, Israel	7412, 9440, 9815
		Montreal, Canada	5960, 9755
6:00-7:00pm	0200-0300	Brasilia, Brazil	15290
		Buenos Aires, Arg. (M-F)	11710, 15345
		Johannesburg, So. Africa	5980, 6010, 9615
6:00-7:30pm	0200-0330	Cairo, Egypt	9475, 9675
6:00-8:00pm	0200-0400	Melbourne, Australia	15320, 15395, 17795
6:30-7:00pm	0230-0300	Montreal, Canada (M-F)	5960, 9755 (As It Happens)
		Stockholm, Sweden	6105, 9696
		Tirana, Albania	7120, 9760
6:30-7:30pm	0230-0330	Hilversum, Holland	6165b, 9590b
		London, England	6120c, 6175w, 7325

ENGLISH BROADCASTS TO WESTERN NORTH AMERICA

Nov. 84 (2)

PST	UTC		
7:00-7:30pm	0300-0330	Budapest, Hungary	6025, 6110, 9520, 9835
		Kiev, Ukr. SSR (via Khab.)	15100, 15240, 17870
		Lisbon, Portugal	6060, 11925
		Montreal, Canada	5960, 9755
		Tokyo, Japan	17755
7:00-7:50pm	0300-0350	Taipei, Taiwan	11825, 15345
7:00-8:00pm	0300-0400	Ankara, Turkey	9660
		Prague, Czechoslovakia	5930, 7345, 9540, 9740, 11990
7:00-9:00pm	0300-0500	Peking, China	11650, 11860 (to 04), 15385
7:30-8:00pm	0330-0400	Stockholm, Sweden	6105
		Tirana, Albania	6200, 7300
7:30-8:15pm	0330-0415	Berlin, DDR	6010, 6080, 9560
7:30-8:30pm	0330-0430	London, England	6120c, 6175w
		Seoul, So. Korea	11810, 15575
7:30-10:00pm	0330-0600	Havana, Cuba	11760
7:40-7:50pm	0340-0350	Athens, Greece	7370, 9420, 9815
7:55-8:00pm	0355-0400	Yerevan, Arm. SSR (via Khab.)	15100, 15240, 17870
8:00-8:30pm	0400-0430	Bucharest, Romania	5990, 6155, 9570
		Montreal, Canada	5960, 9755
8:00-9:00pm	0400-0500	Managua, Nicaragua	6015
		Sofia, Bulgaria	7115
		TWR, Bonaire, NWI	9535
8:00pm-12mdt	0400-0800	Moscow, USSR (via Khab.)	5980, 6130, 7175, 7260, 7300, 9505 (from 0530), 9795, 15140 (to 05)
8:30-9:00pm	0430-0500	Berne, Switzerland	9725, 12035
		Vienna, Austria	5945, 9770
8:30-11:30pm	0430-0730	London, England	6175w, 9510w
9:00-9:15pm	0500-0515	Jerusalem, Israel	9009, 9440, 9815
9:00-9:50pm	0500-0550	Cologne, Germany	5960, 6120, 9545w, 9690, 11705w
9:00-10:00pm	0500-0600	Madrid, Spain	6065, 9630
		Tokyo, Japan	9645
9:00-11:00pm	0500-0700	HCJB, Quito, Ecuador	6095, 9745, 11910
9:30-10:00pm	0530-0600	Lisbon, Portugal	6075, 9575
9:30-10:30pm	0530-0630	Hilversum, Holland	6165b, 9715b
10:10-11:10pm	0610-0710	Taipei, Taiwan	5985 (via WYFR)
10:30-11:15pm	0630-0715	Berlin, DDR	6010, 6080
10:30pm-12mdt	0630-0800	Havana, Cuba	9525
11:00pm-12mdt	0700-0800	Tokyo, Japan	9505
11:15pm-12mdt M-F	0715-0800	Tu-Sa Brussels, Belgium	9880

Relay stations: a - Ascension, b - Bonaire, NWI, c - Canada (Sackville), cy - Cyprus,
gu - French Guiana, h - Havana, w - West Indies (Antigua)
m - Malta



OCTOBER 1984

Listeners Notebook

GLENN HAUSER, Box 490756, Ft Lauderdale FL 33349 NEW ADDRESS!

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ABU DHABI The Voice of the UAE (United Arab Emirates) is due to commence its intl SW svc during S84. Four 500 kW xmtrs'll be used to beam pgms for 12h daily to 6 targets, presumably in AR. Per info rxd direct, and IPRB regs, sked'll be: 10-12 FE 17820, 12-14 Pak 11715 11915 15230 15275, 14-16 Sa'udi Arabia & Yemen 11815 15115 15330, 16-18 Egypt/NE 11915, 18-20 Af 9630 9655, 20-22 Eu 5960=from 2100 6155 6185=to 2100 7235. Maybe addl fqs 7145 7225 9595 11890. Old 120 kW xmtr still on 9695 15-21½ relaying AR DS; it's in Maqtaa; new ones nr Abu Dhabi (September WRTH Newsletter, hereafter "NL") Almost same info presented differently: S84 regs suggest hotting up of SW activity: 5960 21-22, 6155 20-22, 6185 20-21, 7225 03-07, 7235 20-22, 9630 18-20, 9655 18-20, 9695 02-21, 11715 12-14, 11815 14-16, 11830 16-18, 11890 12-16, 11915 12-14 & 16-18, 15115 12-16, 15230 12-14, 15275 12-14, 17820 10-12. 250 kw exc 9695 120 kW (ITU via ADXN)

AFGHANISTAN R Afgh hrd on new 9755, probably via USSR, from 1320 SAs mx, 1329 ID "Inya Afgh, Kabul" & local lang, mx past 1400; G 8/10 (Ernie Behr, Kenora, Ont) R Afgh DS, Kabul, Pgm I in Dari or Pashto, 0125-1930; infrequently on 19640 USB feeder; *0125 on 7200 4740 3965, 0430 on 17900 15255 7200 4740 4450 3965, 0700 on 7200 4740 3965, 1030 on 7200 4740 4450 3965, 1130 on 17900 15255 7200 4740 4450 3965 [featuring Mondays at 1135-1200 exc during Ramadan, "Our Northern Neighbour", Tue "UN Pgm", Sun Red Crescent Pgm.] 1230 on 7200 4740 4450 3965. 1330 on 7200 4740 3965 [featuring M/W/F/Sa 1630-1700 'Jam-e Jam' = intl affairs pgm rather than all about jamming]. 1700 on 7200 4740 4450 3965. Pgm II incl ES for neighbours 0130-0430 & 0700-1700: 0130-0430 Baluchi/Pashto 15255 9595 6230 4450. 07-09 Pashto/Dari V of the Homeland on 17900 15255 6230 4450 as is EG 0900-1030. 1030-11 Pasha'i 17900 15255 6230 as is 11-11½ Nuri-stani. 11½-12½ Turkmen 6230. 12½-13½ Urdu 17900 15255 4450; Uzbek 6230. 13½-14½ Urdu 17900 15255 6230 4450, 14½-17 Pashto/Dari V of Homeland on same. (WBI 23/8) Check of DS shows half-hr Baluchi pgm on Pgm II 17900 15255 4450 at 1130 (WBI 6/9)

ALASKA In letter to collaborator Salvatore Placania in Italy, KNLS Engr Dir says "we are being rxd only once in awhile in Eu", which suggests experiment of beaming across N Pole largely unsuccessful (NL) Surprise

ALBANIA R Tirana and winter time'd commence 0100 23/9, i.e. GMT + 1 (WBI 27/9) Not 30/9?

ANGOLA Regional stns on 6151.8 & 7172 hrd 5/10 from 0500 w/R Nacional ID & PT mx, both clear; also Luanda 7245 & 5334 w/same mx but weaker; from 0513 separate mx pgms (Ernie Behr, Ont) Angolan nx agcy ANGOP reported via Pan Af nx agcy PANA 5/8 that tech dir of Ang Natl R & head of Info Dept'd briefed participants in discussing "R and its role in society" organised by nx-paper Jornal de Angola on struxur of Ang Natl R. Currently had about 15 MW xmtrs covering whole country, plus four other SW xmtrs in Luanda (WBI 9/8)

AUSTRALIA Northern Terr SW DS, to commence late 1985, '11 use 3 sites--Katherine, Tennant Creek and Alice Springs, each w/100 kW xmtr at half power, and a 10 kW standby. Ants'll be LPs w/very high takeoff angle, giving coverage of 500 km radius; mb's'll be 90 night, 49 day. Cost of whole project is 3.8 M\$A (Robert Jones, NSW, NL) From 26/8, VLV Perth new sked: 6140 15° 21(Sat21½)-01 & 09½-1602; 9610 15° 21(Sat 21½)-0936 (15° is for the NW region); 9610 on 35° 0941-1602; 14325 [sic, probably means 15425] 35° 2300-0916 (35° is for Kimberley region) (Robert Jones, Sept ADXN) RA reported 19/8 that test xmns from Darwin site last month'd been v'y successful. Resultantly two of the three xmtrs there'd be opl from 2200 1/9 (WBI 23/8) RA reported 3/9 that it'd been b'ing from reconstructed Darwin xmtrs, severely damaged by Cyclone Tracy in 1974. The three on Cox Peninsula 'd been rebuilt using computer technology. To be used mainly for Indonesia & China, but also could easily reach ME, & countries between India and Indochina (WBI 13/9) From 2/9, S84, RA listed for Darwin regular sked w/two 250 kW xmtrs: 01-09 21720, 01-0910 17750. Also on 15240 08-10 & 21-22 from both Lyndhurst and Shepparton simultaneously, 10 and 50 kW resp (Ian Eadie, Sept ADXN)

BELGIUM The RTBF sked is extremely complex, different times on diff days of week, and mixing ES w/DS relays; generalized, fq usage is: 0430/0615 11780 9900. 0630/1045 17675 15210. 1030/1255 17680 5965. 1300/1555 21460 5965. 16/1855 17680 6050. 1900/2105 11780 9900 (WBI 4/10)

BELIZE R Belize switched MW fq from Belize City from 834 to 830 kHz in mid-July; ancs also on Belmopan 3285, San Ignacio 940, Corozal 930, Puntó[sic] Gorda 910 (WBI 9/8) It has been suggested to me that a logging of Tristan da Cunha (3290) by a prominent Florida member of another club, even tho QSLED, could easily have been Belize 3285 instead; the two stns might even have been carrying the same BBC relays at the time logged (gh) R Belize MW harmonic still hrd this far north, but now on 1660 kHz; now probably easier than the fund (C M Stambury, Ont, SWNS)

BERLIN WEST RIAS-1 DS in GM, 6005 at 0325-0315, exc Sat 0325-0350 Sun, Sun 0400-0315 Mon. (WBI 30/8) I.e. almost 24h with brief mittelnacht breaks (gh) more under GERMANY WEST

BHUTAN Seldom heard NYAB, always a DXer's delight, not hrd for several months now; last hrd in Feb on 4465 on propagationally excellent eve; recent chex Wed/Fri eves rewardless & frustrating. Couldn't hear them on either 4620v or 4465v; reported to have QRPd to probably 100 watts. (Sarath Weerakoon, Sri Lanka, Aug UADX) R NYAB has its Mon[sic] & Fri bcs on 90m -- 3395, hrd here in Calcutta w/G sigs; EG 1330-1400; severe local CW QRM on adj chs. Sun 0830-0900 still on 7040 (Prodyut Banerjee, Sept Asian DX Review of Indian DX Club International)

BOLIVIA R San José, 5985, hrd 3/9 from 0900 w/nonstop Bol mx to 1100 f/out, but QRM from SP numbers stn & its open carrier to 1000 [I've noted that too; waits till WYFR/VOFC off--same site? -gh] but not one spoken word but every hour & half hour a long blast from siren; stn reactivated after 25 yrs, was hrd on 5870 in 1959. SWL Digest 29/9 gave ID as R Santa Cruz, tho others have reptd R San José [That was from R Nuevo Mundo, Japan; they corrected it in next issue]. R Illimani is not on 24h sked as on SWLD 29/9; hrd 1/10 from *0900 w/Bol mx, SP & Ay-mará anmts on both 6025 & 4945; eves only Cuba in SP on 6025 (Ernie Behr, Kenora Ont) Recent monitorability survey of Bol stns on SW reveals these actives: R La Plata, Sucre 9716 [sic]; R Pides, La Paz 6155 4845; R Panamericana, La Paz, 6105; R Illimani, La Paz, 6025 4945; R Nacional, Cochabamba, 5975; R Pío XII, Siglo Veinte, 5954; Rdf Cristal, La Paz, 5005; R Juan XXIII, San Ignacio de Velasco, 4965; R América, La Paz, 4875; R Nueva América, La Paz, 4797 (WBI 13/9) & of course there are many others not 'monitorable' to them (gh) LV del Trópico, Villa Tunari, 4458, sked 1000-1400 & 2100-0200 per Tony Jones, verified by letter from Dir Oscar Ustariz Arandín. Says stn has Bol-made 250 W xmtr to horiz ant 33m long, 12m hi. Other equipment simple, he says, and stn has tech problems which they hope to solve soon. Villa Tunari is in Prov de Chapare in Depto de Cochabamba, and is a tropical town 165 km from city of Cochabamba. Stn bilong CITRO, Centro de Capacitación Integran del Tropica [sic, that doesn't make sense in correct Spanish], a nonprofit educ & culti institution. Has staff of 8, two of whom are designated as profs. Others are young, unattached & idealistic, apparently accounting for their willingness to work out in the boonies. Central off is: Av de la Integración No 50, Villa Tunari; regional off is Calle Paso del Inca No 349, or Casilla 3883, Cochabamba (Don Jensen, NASWA Executive Council Member, via Oct DSWCI SW News)

BOTSWANA On 7255, *0400, QRM R Nigeria *0430, audible only on Suns since other days R Sofia 7255 covers everything (G Darling, UKOGBANI via Finn Krone, via Play-DX, Italy, 17/9) not here

BRASIL R Emisora Aruana hrd on new 845.4 ex-90m, announcing 2500 watts, 5/8 & 23/8 0003-0050 (Claudio Dondi & Dario Monferini, Italy, Play-DX) R Jornal da Transamazônica, Altamira, on 5024.5, 12/8 0030 ID, G (Dondi, *ibid.*) [cf Aug LN-31] Since when is 11735 stn known as R Universal? used to be R Clube de Goiânia (Ernie Behr, Ont) Lotsa charges down there... (gh) R Clube Paranaense on 6041.3 since 28/7, 0200-0300 Braz mx w/QRM; also 4/8. Since 1/9 back on 6045, G arnd 0930; varied as low as 6039 in Oct 1980. R Nac da Amazônia hrd on new 6065 since 18/8, from 0800 w/ads & Braz ms, // 11780, both strong (Ernie Behr, Ont, 1/10) R Nacional do Brasil, ES: 10-min PT nx at start of each xmsns Mon-Fri in BzI, exc PT svc which has daily nx; timing varies. 2350-0050 SP Lam 9655, 01-0155 SP NCAm 15290, 0155-03 EG C&NA 15290, 1750-1850 EG Eu 15270, 1850-1950 GM Eu 17755 & 15270, 20-21 FR Eu/AF/ME 15270, 21-22 PT Af/SEU /SAs/ME 15270 (WBI 23/8) See also SURINAM (gh) A recent limited survey shows these domestic stns operating on SW: 17815 & 6165 R Cultura, São Paulo. 15190 & 6000 R Inconfidência, Belo Horizonte. 15135 11965 9505 6055 R Record São Paulo. 11925 9645 6185 R Bandeirantes, SP. 11915 6135 R Gaúcha, Porto Alegre. 11905 9545 6020 R Universo, Curitiba. 11895 9520 6080 R Rio Grande do Sul, Porto Alegre. 11855 9635 6010 R Apericida [sic], Apericida [sic]. 11815 & 4985 R Brasil Central, Goiânia. 11805 6035 R Globo, Rio. 11785 5965 R Guafiba, Porto Alegre. 11780 9680 R Nac da Amazônia, Brasília. 11735 R Clube, Goiânia [note Behr comment above]. 9705 R Nac, Rio. 9695 R Rio Mar, Manaus. 9685 5955 R Gazeta, SP. 9665 R Marumbi, Florianópolis. 9585 R Excelsior SP. 6125 R Globo, SP. 6100 R Cultura, Foz de Iguaçu. 6045 R CI Paranaense, Curitiba. 5975, R Guarujá, Florianópolis. 5045 Rdf Pres Prudente, *ibid.* 5015 R Cultura, Cuiabá. 4955 R Clube, Rondonópolis. 4935 Rdf Jatai, *ibid.* 4915 R Anhanguera, Goiânia. 4905 R Relógio Federal, Rio. 4880 Rdf Acreana, Rio Branco. 4875 R Jornal do Brasil, Rio. 4835 R Ataláia, Corumbá. 4815 Rdf Londrina, *ibid.* 4795 Rdf Aquidauana, *ibid.* 4755 R Educação, Campo Grande. 3365 R Cultura, Araraquara. 3335 R Alvorada [sic, s/b Alvorada], Londrina. 3325 Rdf Universitária, Guarulhos. 3235 R Clube, Marília. 3205 R Ribeirão Preto, *ibid.* 2490 R Oito de Setembro, Descalvado. 2470 R Cacique, Sorocaba. 2420 R San[sic] Carlos, São Carlos. 2380 R Educadora, Limeira (WBI 30/8) i.a.

BURMA BBS Rangoon now hrd quite well in Sri Lanka on 7185 9730 5985, EG nx & western melodies at 02-02½, 07-07½, 1445-16. Ethnic lang xmsn on 4725 1030-1445; still vy little info on stn in Taunggi [sic] reportedly controlled by Burmese Armed Forces, hrd on 5060 1245-13½ usually

mixing w/Xinjiang PBS (Sarath Weerakoon, Aug UADX) BBS recently obs w/EG lang les on 5985 1130 -1147, then Burmese; previous //5040 no longer active (Peter Bunn, RA JP DX Time 16/9)

CANADA Back on std time, RCI SWL Digest on NAM svc should be GMT Mon 0306 on 5960 9755; Sat 2135 to Af only on 17820 15325 15150 11945. Carib svc does not change time, still sked 2300 on 11710 9755 930; SWL Digest Suns. DS relays stay at same LST, one hour later by UTC, more or less on same fqs (gh)

CAPE VERDE Stn on 7155 was reported w/def ID as Voz de São Vicente on SWLD 1/9, also QSLd by many; why are some still reporting this as Emissora Oficial? (Ernie Behr, Ont) Em Of1, 7155, on abruptly 0734, but off w/in few mins; returned later w/mx til 0800 gongs & PT ID, nx. Better sig than last yr; still readable 0845, f/out by 0855 6/7 (Brian Clark, NZ DX Times) Rikard Johansson reports that on 6/7, he hrd 7155 *1300 w/ID as "R Voz de São Vicente". Had been obs earlier, 30/6-1/7 after 0800 and all day til afternoon f/out; 2/7 0900* but in progress again at 1400; 3/7 in progress at 1230 until sudden 1820 break; 6/7 to 1500* but w/out ID. Evenings noted on 3931; suggests WRTH 84 details wrong, but if Em Of is not the one on 7155, surely it must have another outlet apart from 50 watts on FM? Or does one stn relay the other? (NL)

CHINA Nei Menggu PBS, Hohhot hrd recently on 4525 in Mongolian, formerly inactive fq; //6974. Xilinhot 4950 also G w/CH pgms, but Malaysian QRM; both best arnd 1230 (Craig Seager, NSW, RA JP DX Time 26/8) Recent survey shows CPBS, Peking reorganised domestic minority lang svcs; formerly 55 min xmsns twice daily, now reduced to 26 mins but quarce daily as follows: 2130 Korean 6430 5420, 2200 Mongolian 6430 4190. 0000 Tibetan, 0030 Uighur, 0100 Kazakh all on 17635 15670. 0430 KR 9920 8566, 0500 MG 9920 8566 6974; 0530 TB, 0600 UG, 0630 KZ all on 17635 15670. 1000 KR 8566 6430, 1030 TB 15670 11375, 1100 UG 15670 11375 7050 5800 4735, 1130 KZ 15670 11375, 1200 KR 6430 5420, 1230 MG 6974 6430 4190 4010, 1300 TB 11375 8566 7110 5995 4035, 1330 UG 11375 8566 7050 5800 5735, 1400 KZ 11375 8566 5440 4970, 1430 MG 11375 8566 5060 4220. Chinese SW stns bc 138h of pgms daily in 38 forn langs, incr from only 11h daily in 1950. Stns rxd about 100 kletters yearly from listeners in 140+ countries, per a 13/9 NCNA report (WBI 20/9) On Natl Day 1/10, R Beijing bc spl svc for As listeners, live relay of parade in Tiananmen Square 0200-0400 w/comtry in EG 15520 15385 10865 and (0300+) 17795. Also on Peking 1251 & 92 MHz, Shanghai 1296, Canton 103 MHz in EG. Comtry in Std GH on parade 02-04 on 17710 15710 15590 12200 11590 11505 11040 9490 9065 9020 7505 7275 7210 6058 (WBI 4/10) Per letter direct from R Beijing, spl parade cov in EG was for NAM; nothing said about As & this is normally NAM svc time & fqs (gh)

COLOMBIA R Súper, Medellín, on 487Z, 17/9, 18/9, 23/9 0222-0505; religious pgm 0222; don't confuse w/La Cruz del Sur, Bolivia (P Cacciamatta, Bergamo & Dario Monferini, Milano, Play-DX) /see also R Macondo, CRANNY

COMOROS R Comoro reported 20/7 it needed modern installations; one of 6 agreements w/France'd be used to acquire VHF/FM xmtx net to provide good 24h reception; FR aid agmt worth 365 megacomoranfrancs, and was non-repayable (WBI 16/8) SW days numbered? 333lv *0300 'easy' in FL (gh)

COSTA RICA R Havana reported 1/9 that US amb to CR'd confirmed that a radio stn'd be installed in northern CR to re-bc VOA pgms; 70 kW, from next year nr San Carlos on the Nic border (WBI 6/9) AFP reported 7/9 that this'd provoked protests, even w/in ruling Natl Libn Party, "endangering peace & sovereignty". Agreement for the 50 kW stn signed at residence of CR Pres who'd requested bc aid from Reagan last year. Stn'd bc pgms "to support democratic values" & "to counteract extensive propaganda & domination of Nic stns in N CR". Leftists & indep deputies charged VOA project was "a capitulation" and "illegal". Social Demos said VOA relay'd give US "platform in CR provoking unnecessary tension w/Nic govt & violate neutrality" (WBI 13/9) La República nxpaper reported 25/9 that the 50 kW stn of the Assn of Info & Culture (ACIC) 'd begin in Dec & 'd xmit purely natl rural pgms; stn not 'anti' anything. ACIC pres says it's non-profit. Pact was not 'secret' as charged. Xmsn of VOA pgms not new--other comm'l stns like R Relej, R Monumental, R Columbia'd xmtx such pgms on various occns (WBI 4/10) + hundreds of other IAm stns--not the same, however, as daily live relays for hours! (gh) 2/10, R Relej quoted unID sources that Nic form mnister'd asked CR counterpart to incerde & cause denial of stn permission; said was part of CIA plan to discredit Nic's govt & revolution (WBI 11/10) Fq never ment'd, but a Miami Herald 6/10 report says 930 kHz; ch 6 & ch 7 TV from CR also to be upgraded w/lots of US money to cover Nic (Sept RIB) R Casino, 5954, sent QSL & pennant after 15 months; hrd 14/4/83 at 0130 w/EG ID; f/up in Feb 84; may have been confused w/Nicaragua which was on 5950 then. QTH, Ap. 287, Puerto Limón. Sent C30 cassette, 100 lire note showing Marconi, Ital stamps, no IRC. Stns says it's on MW 1220 ex-1180 (S Nuzzi, Play-DX)

CUBA RHC hrd evs on 6090 w/spurs all over 49m; 28/9 had powerful spurs on 6116 & 6143, weaker ones on 6037, 6196 & 6222, the latter not to be confused w/Cam clands; am also wondering if report of R Belgrano on 6090 & 6221 w/anti-Chile & anti-Uruguay pgms (WORLD OF RADIO 21/9) was axually Habana (Ernie Behr, Ont) No, report about such pgms did not give fq, and further perusal of IADXR indicates this hrd on MW only; another DXer had hrd 6221 spur & I combined the items (gh) Relay of All-Union R "Mayak" svc in RS from Cuba 4765, hrd again 30/7, having been unhrd since mid-July; 28/7, 4765 had unmod carrier 1500-1615; no xmsns hrd on 31/7 & 1/8 (WBI 9/8) As of 19/10, R Moscow Cuban relays missing for a week--checked 11840, 10000, 9600, 6170, etc; but 4765 going strong (Jim Conrad, Waterloo IA) RHC hrd on 17827½ & 17885 in FR & EG to Eu 1900-2140 (Roger Tidy, England, DSWCI via RA JP DX Time 5/8)

CYPRUS London based AR lang nxpaper 'al-Arab' reported 4/9 that w/in a month, the Intl Bcing Svc'd start experimental xmsns in AR from stn in Turkish zone, owned by London-based Saudi Research & Marketing Ltd (WBI 20/9) R Bayrak, 6150, sent QSL folder card w/all details and let-

ter from D Ozer Berkem, Dir-Gen. I asked for info on power but not supplied; QSL listed 7½ kW. All mail to Lefkosa is via Turkey. Reply came in 3½ weeks for EG rpt & 2 IRCs (Robert Shepherd, Oct ADXN) Well done, Robert, first verie reported from this one here in several years; may be grounds for considering this separate country from rest of island? (Craig Seager ADXN QSL Ed.) Indeed, and V of Turkey will send you a little booklet all about it (gh)

CHILE R Portales hrd on new 6080 since 4/8, E sig from 1030 w/talks, many ads & IDs to 1058 RA s/on; not sure if Patagonia Chilena is still there or moved (Ernie Behr, Ont) It's Patagonia just relaying Portales, as noted w/ID after nx 2205 (Juan Carlos Godina, Perú, RIB) 1S5, R Rivadavia, 630 MW in Argentina, has an agreement w/R Nacional de Chile to use the latter's SW facilities on relay; mostly Suns 1700-2100 w/sports, incl Arg fútbol; may use 9550, 15140. Report to Ing. Falcone, R Rivadavia, Arenales 2467, 1124 Buenos Aires, Argentina (Carlos Bazán, ADXN Aug) Per a R Nac report 22/9, R Minería and sister stn R Galaxia'd been expelled from Assn of Ch BCers (ARCHI) and the Inter-American R BCing Assn because they'd bc on Radio Workers' Day, contrary to genl 2-yr-old ARCHI agmt, in which R Min'd participated, establishing that only one stn'd bc on RWD. This yr, per rotation system, stn was R Coop; RWD'd been commemorated for the past 40 yrs (WBI 27/9) Sounds like a great idea for a US holiday! But when?

DOMINICAN REPUBLIC On 24/9, R Earth resumed being via R Clarín, 11700, GMT Tue-Sun at 0300-0400; after reaching a financial settlement w/WRNO which broke a contract supposed to last thru yearend. Hardly hrd at all first week due to poor propagation, and afterwards spotty & unreliable at that time, so they hoped to move to an earlier hour like 2300 in early Nov if La Voz del CID would agree. Meanwhile, 10/10 started repeating at 1500 next day--excellent here except when audio distortion problems; GMT Sat 0300 pgm now devoted to live call-ins at (809) 565-7676 or 565-4515, and instead of repeating it at 1500, on Sats the GMT Sun 0300 DX pgm is 'repeated' instead. Tho not expensive to call the DR after 10 pm local (highest rate is in the evenings before then, rather than daytime!), they're likely to put you on hold rather than not answering til it's your turn. "R Monitors International," the generally inaudible DX pgm from India/Sri Lanka AWR & Adrian Peterson, now carried on R Earth Sat/GMT Sun. If fast pace of some DX pgms bothers you, this is for you! More of Rudy Espinal & "This is the Caribbean", and various other pgm changes necessitated by quick move from Chicago by Jeff White to Sto Domingo; SW Pandemonium now on GMT Thurs, minus Kim Andrew Elliott. Clarín likely to start either bc 15 to 30 minutes late, so if you don't hear it at first, stay tuned. (gh) R Earth via Clarín 11700 hrd 11/10 1500-1600 w/EG & mx; weak & distorted; 0300 bc only noted twice & barely audible here. Does gh still have DX tips on RE? Not hrd in Sept or Oct (Ernie Behr, Ont) I was on in Sept, but didn't make contact for the Oct date. Maybe in Nov will have been on GMT Sat 3/11 0300 bc or Sat 1500/Sun 0300 if not earlier by then (gh)

ECUADOR John Beck ancd on 13/10 DX Party Line that HCJB'd change Nam svc 5/11 to 0040-0200 on 15155, 0200-0500 on 6140; both // 9745, apparently remaining despite severe QRMoscov in SP. Also Eu svc 0700-0830 will replace 11835 with 5980 when construxion of new 49m ant is completed (John Norfolk, OKC) It'll enable SPac listeners to benefit from 500 kW xmtr as 'll be bi-directional beaming to Eu & SPac simultaneously; 'll be 2nd in size only to steerable unit; w/4 towers ea 110m hi. Steerable ant being modified w/incl of driven element. Looking like double eggbeater, new addn'll move on trax arnd semi-circl base, possibly blizzing monster array use on 13 to 31 mbs to greater number of targets; stronger sigs to N&CAM, Phil thru Japan, Siberia, N Africa (Graham Daff, Aug ADXN) & a new 100 kW xmtr to be installed by end of 1984; 100 W on 26020 off the air due to tube burnout (SCDX 11/9) & I sure miss it for propagation chex (gh) R Católica Nacional, 5055, 14/8, 21/8, 22-26/8 2250-0145 w/pgm prepared by an Italian; director is also Ital, Padre Cirillo Tescaroli; new 10 kW xmtr ex-500 W; fantastic sig (Dondi, Monferini, Zella, Play-DX, Italy) Addr for reports is Casilla 540/A, Quito; hrd daily 2300-0100 (Zella, Nuzzi, Cotroneo, Monferini, Bennett, Krone, ibid.) Varied w/letter and PFC in 20 days, in Italian; xmtr is Harris; no IRC sent (Zella, Play-DX 17/9) New stn LV del Upano, 5040, 16/8, 24/8, 25/8; V di Tomasi may've been first to hear it in Eu; testing 0600-0730 pm Ec time, asking for reports and offering pennants; WRTH 84 list only on MW 1540 (Zella & Monferini, ibid.) On the air *2259-0030* UTC from Macas; watch out for Libertad de Junín & Maturín QRM (ibid.) Later running to 0058* (Play-DX c. 12/9)

EGYPT Cairo ES recently on incorrect 15650 at 1900 for short period, AR ID then Hausa. Reverted to sked 15210 next day. Other days, 15650 used 1830-1900 by cland R Iran. Suggests that R Iran bcs some pgms via Egyptian facilities; ancd sked 1830-1900 15650, 1830-1925 11640, 0200-0255 9400 (NHK DX via Rob Wagner, Sept ADXN) Conversion & incompetence don't mix...

EL SALVADOR unID on 11984 at 1850 5/9, 1Am mx, some discobeat; hrd "San Salvador" several times so presume harmonic (Chuck Oliver, Spring TX) R El Salvador on 9587.2 from 0130 mx, TCs, IDs to 0301* 28/9 only; stronger than R Ned on 9590. Again on 5992 from 1100 w/pop mx & IDs to 1300 f/out, 9/10 & other days, but 14/10 resumed 9587.2 until 1302* (Ernie Behr, Ont)

EQUATORIAL GUINEA Intl svc hrd 29/8 to 2130* on 15107 (Roger Tidy, UK, via RNMN 30/8 via NL) Intl R Svc, Rep of Eq Guinea, Bata, operates 1800-2130 in SP on 15106 w/mx svc including religious bcs in EC. First obs May 1984; hrd again in Aug close to ancd fq 15110; adrs for listener letters are P O Box 441, Bata, or P O Box 851, Malabo (WBI 27/9) Anybody hrd this lately--or ever--in Nam? (gh)

GAMBIA R Syd, spl multilingual pgm 21/9 2000-2015 on 7425, 2015-2030 on 7485, 10 kW PTP xmtr activated for Nordic DX contest only (Monferini, Zella, Sandri, Play-DX) This was semi-secret, apparently; a few Nam 'insiders' got advance notice & logged it, but info withheld from the DXing masses until it was over; do they approve of such conduct? only QSLed contestants (gh)

GERMANY WEST [continued from BERLIN WEST, where this should've gone] USIA provided RIAS Berlin w/new 100 kW xmtr and omni ant replacing old 20 kW unit; on 6005 24h. Before March, RIAS used VOA Munich 100 kW w/15° rhombic 1830-0325, Berlin 20 kW 0325-1830. Cost of replacement is \$800,000 (Robert Jones, NSW, NL) Bayern-1, München-Ismaning on 6085 10/100 kW at 0655-2300; one hour earlier in summer. (WBI 23/8) Südfunk-1, Stuttgart on 6030 20 kW 0330-0030 (WBI 30/8)

GHANA 31/7, GBC commented on its own history saying for 40+ yrs, GBC had same old wornout eqp for which spare parts couldn't even be traced on the world market; GBC felt disillusioned & old; had to modernise; apathy, lack of initiative and foresight by past govts'd brot GBC near to collapse. Something must be done now; rehab'd cost unmore than \$30Mega; surely govt could provide that much, e.g. as golden jubilee donation at \$2 per head to the 15 megapeople of Ghana. In anniv celebrations, govt Secy for Info was optimistic that a year from now GBC output 'd remarkably improve (WBI 9/8) Not to be confused with the Ghana where I reside (gh)

GUAM ARDXC DX Newslne over KTWK DX Listeners Log pgm as from 8/9 will be on addl time, Sat 0043-0059 on 17750; also Sat 0915 11840, 1345 on 9510 or alt 9815 (Don Rhodes, Sept ADXN) KTWK G 10/9 0900 on 9590 ex-9815, in CH (Rhodes, Oct ADXN)

GUIANA FRENCH RFI relay on 9790 excellent *0958 w/IS & SP; // 9550 weaker to 1028*v, then moves to 11825, not 11810 as per Aug LN-21. 11670, 15180, 15435, 15440 are always weak like Eur sigs; should be booming in w/ 500 kW; 1/8 (Ernie Behr, Kenora, Ont)

GUINEA On 15310 1825-1855 14/10 [Sunday] in EG w/nx replete w/Guinea ments; clear w/P-F sigs til RFI in FR returned to 15315 at 1830, then Guinea suffered much QRM splatter; some rock mx, then nx-type features til lost at 1855 (Richard A D'Angelo, Wyoming PA) Following WBI sked unmentions any EG, but it's traditionally irregular (gh) R & TV Svc of Rep of Guinea, R Conakry DS 0600-2400 on 100 kW 15310 9650 7125; 18 kW 6155 4910; 400 kW on 1404, 100 on 1386 kHz; includes FR mx at 0645, 1245, 1615, 1800, 1900, 1945, 2200, 2345 (WBI 13/9)

GUINEA-BISSAU R Bissau, 5475.3, 14/7 2200 in PT, ID, F-G (Finn Krone, Denmark, Play-DX)

HONDURAS ACAN reported 17/9 that Morazanist Front for Libn of Honduras--FMIH--'d occupied a local radio stn and condemned "US mily intervention in the region". Guerrillas'd occupied principal studios of R America, one of the country's most important nets, tied up its staff & bc a 6-min msg (WBI 20/9)

ICELAND Swedish R reported that employees of Icelandic state R&TV svc 'd gone on strike 1/10, part of nationwide axion by public sector employees, demanding pay increases of up to 30%, while govt didn't want to agree to more than 6% (WBI 4/10) So 13797 must've been silenced

INDIA AIR Delhi Home Nx Svc for relay in various zones and regions; EG portion: 0032½-0035 6045 3925, 0240-0250 11895 11830 9610 9545 9525 7225 7195 7150 7140 6045 4895, 0730-0735 on 17705 15250 11935 11850 11730 9705 9615 7215 7140, 0830-0840 on 17705 15250 11850 11730 9705 9615 7230 7140, 0850-0915=slow speed on 17705 15250 15160 11850 11730 9705 9615 7140, 1135-1140=States mx on 15320 15250 11850 11810 9675 7140 6120, 1230-1235 15240 11895 11855 11620 9615 7280 3905, 1430-1435=sports 10335 9950 9575 7412 7280 7260 7155 6145 4860 3925, 1445-1500=Mon-Radio Newsreel on 10335 9950 9575 7412 7280 7260 7155 6145 4860 3925, 1500-1515=not Mon-Parliamentary Report on 10335 9950 9575 7412 7280 7260 7155 3255 3235, 1530-1545 10335 9950 9575 7412 7280 7260 7155 6145 4860 3925 3355 3315 3275 3205, 1735-1740 on 9950 7412 7260 4860 3925 3355, Vividh Bharati commercial svc [only in Hindi, I think] sked: 11830 0830-1015 & 1030-1200, 9750 0630(Sun 0600)-0700, 0830-1100, 9615 13-1445, 9525 0125-04, 7260 01½-03, 7235 1245-17½, Armed Forces Pgm in Hindi & Gurmukhi 1235-1315 4860; pgm for Arunachal 1115-1130 on 15320 11815 (WBI 30/8) AIR reported 10/9 that 100 kW xmtr'd be inaugurated that aftn in Delhi on 11730 & 7110 (WBI 13/9) AIR reported that 14/9 IInfo & BC Minister'd inaug'd two new hi powered SW xmtrs for AIR at Aligarh UP, bringing total there to 4; addl xmtrs'd strengthen India's extl being and'd go a long way in projecting country's achievements; and'd improve reception (WBI 20/9) AIR Madras hrd testing on 9510 28/8 & 30/8; QSL says 0330-0730 & 0830-1230 on 29/8; probably new 100 kW, (José Jacob, ADXR) 14/9, two new hi power SW xmtrs inaug'd at Aligarh for ES; more soon in Delhi (ibid.) While R Malaysia Penang silent due to tech defect on 7295, AIR Aizwal hrd clearly *1130-1215; exotic Mizo mx sounding similar to Thai; Malaysia back 28/8 (Sarath Weerakona, Sri Lanka, Aug UADX)

INDONESIA RRI Yogyakarta very strong on 7100, fq normally used daytime only, 23/8 1145, Jak nx at 1200 (Peter Bunn, ADXN) RRI quoted Dir of R at Info Dept that 6/9 ceremony was held in Jayapura, Irian Jaya to instal 5 new heads of RRI stns in Maluku & IJ region; govt'd allocated 424 gigarupiah for development of RRI net during 1st, 2nd & 3rd 5-yr development plans. Some was used to finance construxion of xmtr stns, studio facilities, auditoria, 250 kW xmtr commissioned by Pres Suharto last May to further upgrade RRI Natl Net for E Indo region (WBI 13/9) 12/9, VOI ES quoted Info Miniater that on occasion of 39th anniv of RRI, it'd be expanding coverage of domestic & overseas bcs during early stages of current fourth 5-yr development plan. VOI's being range'd be widened in 1985-86 to cover parts of Af & WEU; now beamed only to As & Pac for 11 h daily in 9 langs. He also inaug'd RRIs 24h being in E Timor Prov. All RRI stns in the country now being 24h (WBI 20/9)

IRAN VOIRI obs w/addl ES in SP, daily 0130-0230 on 15084 & 9022, andc as for IAm; also to Eu 0530-0630 on same (WBI 9/8) VIRI ES in AR to ME no longer continuous 0330-2030; 2 hr break 1130-1330, 0330-1130 on 15315; 1330-2030 on 7230 4990, both + MW, from 1730 also on 15084 (WBI 6/9) Further obs of AR svc show 2130* not 2030*; addl hour on 7230, with 15084 back to Persian, So main AR svc now 16hpd w/full nx 04, 07, 11, 14½, 17½; summaries 09, 20, 21. Also has 1-hr AR pgm at 2230 on 15084 9022 for listeners outside ME (WBI 20/9) AR Es of VOIRI now

hrd for ME 0330-1130 on 15580 13745 12005; 1130 these relay DS in Persian; use of 13745 brings to seven number of countries to have made use of projected 22m band for conventional AM bcng; see also USSR & KOREA SOUTH (WBI 4/10)

IRAQ Registrations for S84 show four SW xmtr sites: Abu Ghraib 250 kW: 7180 05 $\frac{1}{2}$ -09, 11-12, 16 $\frac{1}{2}$ -23, 6100 03-04, 16-17; 9505 03-09 11-16; 9610 19 $\frac{1}{2}$ -23 $\frac{1}{2}$, 9690 06-09 & 17-23 & 1530-1630; 9745 11-15 $\frac{1}{2}$ & 16-22 $\frac{1}{2}$; 11710 11-15; 15400 03-18; 17720 16-23 & 05-08. Salah El Deen 500 kW: 7270 14-22, 9635 14-22, 9660/9680/11745/11785/15200 a11 14-22; 17720 05-08 & 16-23. Salman Pak 100 kW: 6170 03 $\frac{1}{2}$ -04, 7240 02 $\frac{1}{2}$ -08 & 14 $\frac{1}{2}$ -23; 500 kW on 7160 14-22. Babel 500 kW: 9585/11765 05 $\frac{1}{2}$ -13, 16 $\frac{1}{2}$ -23; 21585 12-04 (ITU via Sept ADXN) Iraq? [Cf Aug LN-30] AR stn on 11695v sounded like Algeria to me in July; however, 9/9 also noted on much weaker // 11700, both til 2200*. 13/9 also on // 11750 9688.7 9685 9635 all in QRM from 2030; so 11695 is probably Iraq. Another howl-type jammer on 6130 from 0400 27/9; jamming whom? (Ernie Behr, Ont) Stn in Surani Kurdish obs on 6100 17/9+, during 1600-1800 xmsn IDing as Kurdish R of the Rep of Iraq in Baghdad, but not // DS in Kurdish on 1360 kHz. 6100 svc thot to be ES to Iranian Kurds; announces repeat at 0300-0500 (WBI 27/9)

ISRAEL VOI ancd that from 26/8 its overseas listeners should tune in one GMT hour later w/end of DST there then; from 26/8, 0500 EG'd be on 21625 15585 15425 9815 9440 9009; 1100 on 17815 17630 15645 15585 12025 11655 (WBI 23/8) 31/8 Panamanian nxpaper 'Ya' said VOI SP sexton'd incr xmsns to include Panama, from 5/9. Monitored 5/9 0445-0500 in SP on 15585 15485 9815 and 9440 (WBI 6/9)

JIBUTI During Islamic holy month of Ramadan, 60m outlet of R Djibouti appears to be all-night --4780 hrd well past normal 2000*, sometimes as late as 2330 f/out here in EAU (Peter Bunn, RA JP DX Time 24/6) Oldie delayed in mail; but wait'll next year! (gh)

KIRIBATI USB feeder to Xmas Is now using 14802 1800-0130 & 0430-1000-some days 9825 USB instead for 2nd xmsn, propagation tests (WDXC via Sept ADXR) & maybe not too recent now

KOREA SOUTH Test xmsns in the 21[sic]mb currently hrd from R Korea ES on 13670; anmts in KR, EG, FR say at 0630-0830 from 23/7 to 9/9; tests 13-26/8 to ME, 27/8-9/9 to Af. That makes 6 countries on AMSWBC 21m, others Iraq Israel Pakistan Turkey USSR (WBI 30/8) Currently conducting further 22mb tests--9/10 on 13665 til 0830, mx w/anmts in KR, EG, SP, FR (WBI 11/10)

LAOS ES via vintage xmtr in Vientiane disappeared again, last hrd on 7103v in early June for brief period; in comparison, DS excellent on 6130, 2200-0230, 0330-07, 09-16 (not 1430* as listed): Nx 23, 04 $\frac{1}{2}$, 11, 12. Regionals currently audible: Pakse 6590v *2300-0015f, F1100-1415*. Xieng Khouang 5620v *23-00f, f1115-12 (currently 5711--Goonetilleke); Houa Phan 4657 *23-00, F1115-1330(Sun 1430*) (UADX, probably from Weerakoon) Natl R of Laos, Vientiane, DS on 6130 2130-0230, 0330-07, 09-16, mostly in Lao; some pgm details from final xmsn possible in NAM: 10-10 $\frac{1}{2}$ pgm for specific object; repeated from 2330 which was: Mon workers, Tue & Sat agriculture, Wed & Sun youth, Thu Women, Fri education, 1030-11 Natl Construxion pgm, 11-1130 nx, 12-12 $\frac{1}{2}$ nx as ocdl repeat from 11; 12 $\frac{1}{2}$ -13 LFLA pgm repeat of 2230. 13-13 $\frac{1}{2}$ pgm in Mong. 13 $\frac{1}{2}$ =not Eri & Sun daily rx review, 14 $\frac{1}{2}$ -15 International feature pgm. Regional Centres: Houa Phan 4655 & irreg 6140: 23-01, 04-05 $\frac{1}{2}$, 11-13. Luang Prabang 6978 22-01(Sun 02), 04-06, 09 $\frac{1}{2}$ -14(Sun 14 $\frac{1}{2}$) incl Vientiane relay 12-14. Pakse 6589 23-02, 04-06, 10-14 $\frac{1}{2}$. Savannakhet 7385: no detail available. Xieng Khouang 5660 23-00 $\frac{1}{2}$, 04-05 $\frac{1}{2}$, 11-12 (WBI 9/8)

LEBANON V of the Mountain, printed sked for summer 84 shows daily 0310-2115 (one hour later v in winter) on 1080 kHz. Says would soon cover all ME, and later the world on SW (WBI 9/8) This stn is controlled by the Progressive Socialist Party of Lebanon, under Druz leader Walid Junblatt. At 1605-1700 has 'western period' of intl mx & nx in FR & EG. Believed to be based in 'Alayh, Lebanon. AR ID is Sawt al-Jabal; above time one hour earlier during summer time (WBI 16/8) V of Israel reported 10/8 that religious circles in northern Israel were campaigning against TV stn in southern Leb being missionary propaganda to myriads of Israeli homes; stn belonged to CBN, the US Christian net, and rxd aid from offl Isr sources incl IDF and Comms Ministry (WBI 16/8) Hard to fathom why Isr govt'd promote Christian proselytizing; maybe a WYFR relay is next? (gh) A 16th private radio stn in Beirut to start soon, belonging to Leb Communist Party (WBI 16/8 from KUNA) On MW, belonging to Communist Action Organisation --GAO (WBI 23/8) Govt controlled R Lebanon reported 22/9 that Minfo said unification of the country's offl info media required political decision currently being discussed--to include closing down of private radio stns & merging of the two TV stns (WBI 27/9) R Leb ancd on 28/9 that DST'd end there 15/10; however, V of Hope in southern Leb said 30/9 (WBI 4/10) Normally I include WBI nx of all Leb stns, due to presumed great interest, even those strictly MW or FM, but pressed for space this time (gh)

LESOTHO R Lesotho reported 2/8 that the Minfo & BC had just left for the USSR to talk w/TASS about getting that svc for R Les & govt nxpapers, in keeping w/nonalignment policy; at present just had Reuters (WBI 9/8) I have a comment on this which I will however not make (gh)

LIBERIA ELWA, Monrovia on new 4760, ex-4765, since 21/7 to 2245* or 2300* (Giuseppe Zella PDX)

LIBYA New SW xmtr at Benghazi appears in tent D84 IFRB sked on 9600 100 kW 04-23 90° to ME, replacing a Tripoli xmtr on fq; for first time, Sebha appears on SW site list, on 6000 w/100 kW omni 08-18 for NAM, also replacing a Tripoli; may actually be unnew, but slow to register; S84 regs from Tripoli: 100 kW 6000 08-18, 6185 04-23, 9600 04-23; rest 500 kW: 6155 20-03, 7150 22-04, 7165 00-04, 7245/7295 00-05, 9615 22-03, 9655 23-05, 9705 20-24, 9745 22-05, 11755 19-24, 11810 20-24, 11815 21-05, 11865 18-24, 15235 11-22, 15415 11-19, 15435 11-18, 17895 12-19 (NL) Also 11795 18-24; 17895 12-20 no doubt really 17930 (Bob Padula, Sept ADXN)

Libya ancd 27/3 that summer time'd last until end of Sept; but Libyan radio still anncing times as GMT+2, so didn't revert to winter time as expected 1/10 (WBI 4/10) Changed 5/10 to GMT+1 (WBI 11/10) A Friday, significantly (gh)

MADAGASCAR R Mad on 3358 ex-3286, ID in FR 17/8 2150-2200* (S Nuzzi, Play-DX, Italy)

MALAWI MBC DS, Blantyre, operates 0253-2210 w/ES at 1600-1800; SW fqs are 100 kW on 7130 & 3380, 20 kW on 5995; HF usage subject to seasonal variations; in EG & Chichewa (WBI 16/8)

MALAYSIA R Malaysia DS: Kuala Lumpur, Malay svc, 24h; SW fqs 5965 7200 9515 9665=partly re-laying EG & Chinese svcs, 9710 11930 [note the last is exactly double the first]. EG on 4985 7295; 9665=partly Malay & Chinese; EG svc sked: 22-01, 01-05=not Fri, 05-06, 06-09=not Fri, 09-16. CH svc on 11900 9665=shared as above 6025: 22-02, 02-03=Sat/Sun, 03-05, 05-06=Sat & Sun, 06-07, 07-08=Sat/Sun, 08-16. Tamil svc 4845: M-F 21-01, 02-03, 05-06, 07-15; Sat 21-03, 05-15; Sun 21-15. Kuching, Sarawak 2300/1600 on 4950 7160 & unconfirmed 9605 in EG/CH incl EG nx 1100, 1430, 2330; EG nx relayed from Kuala Lumpur 0000, 1130, 1200, 1330, 2300. Malay/Melaneu Svc from Kuching on 4835 7145, and unconfirmed 9535 & 11900, 2300/1600. Malay/Bidayuth svc 5030 22-24, 10-15. Malay dialects svc from Kuching: 2200/1500 on 3385 4895 5005 6050 6060 7270. Kota Kinabalu, Sabah, Malay svc on 4970 22-24 & 09-16; Malay/EG svc on 5980 21-01 & 09-16 incl EG nx 1200, 2300; EG nx from K.L. 0000, 1530 (WBI 20/9) R Malaysia Kuching noted w/EG nx from KL at 1130-1140 on both 7160 and 4950, after which local pgms in EG (Peter Bunn, RA JP DX Time 16/9) Despite WRTH info, the pgm from Sabah stays in BM past 1130 on 4970, and I haven't traced any EG on 5980 either, at 1130-1600. RTM Sabah runs live sports Suns at 1300 (Gerry Bishop, Clark AFB, Philippines, 15/10)

MALDIVES Sad to say that again SW is in limbo from Male. While testing xmtr earlier this year, things started blowing out in the xmtr. Intention was to keep it for coverage of important events. Last such was cricket series between Maldivian schools combined team vs a leading Sri Lankan public school, in March. Xmtr now too expensive to repair, so unless new xmtrs bot, no chance of it coming on SW. In meantime, 1458 MW goes on. Thanks to Noel, 8Q7AV for info direct to UADX (G Victor A Goonetilleke, Sri Lanka, Aug Union of Asian DXers)

MALTA IBRA R North America was strong on new 9545 at 2030-2115* in EG, 21/9 (E Behr, Ont) R Mediterranean, Valetta, on 6110 & 1557 kHz to Eu/NAF: 1800-1900 AR, 2130-2230 FR, 2230-2330 EG. Is run jointly by Malta & Algeria from studios in Malta; BCing restarted 18/1/83 using xmtrs at DW relay stn (WBI 27/9)

MONACO For S84A [i.e., thru Sept, not necessarily Oct], TWR Has interesting new fq, 11666! [you mean, 11666!]: 1405-1525 (Fri/Sat/Sun 1540) in RS & UK; 1635-1735 Lat/Lith/Est, 1705-1805 (Fri 1750) RS/UK (Sept ADXN)

MONGOLIA RUB recently on 9613 stead of 9615 during EG 1200-1235; het from KGEI 9615 (Robert Chester, SA, RA JP DX Time 5/8) RUB weak but readable in EG nx 1300, mx 1310 9/9 on 15305 (David Alpert, NY NY) In celebration of 50th anniv of Mong R, 1/9 npxper 'Unen' quoted M.R. Chief Ed of For BCs that UBR bc in 6 langs--MG, RS, KZ, CH, EG, FR. Each month, it also prepared 6 h of bcs for USSR, 8 other socialist countries and Laos, in RS & FR. Whereas 10 yrs ago, the radio rxd 300 letters from 36 countries, in 1983 it rxd about 2000. Countries named were Brazil, USA, Japan, NZ, Au, PNG, India, Britain (WBI 20/9) UB HS hrd on 4080 for first time in ages, 10/9 but not since, so irregular, I guess, VP sig 1300 //4995 (Mark Warner, ADXN) UB on new 9617 at 1200 6/9, ex-shortlived 9605, to 1235*, more likely unstable xmtr than delib erate move (Peter Bunn, ADXN)

MOROCCO R Medi Un on recently new 11825 7/9 w/ID 0744 after FR nx & sports; bad het & mixed w/Tahiti till that stn off at 0730 (Peter Bunn, ADXN) Is via VQA Tangier, on new 9575 in FR & AR from *0630, ex-15250, // 11825 (Craig Seager, NSW, RA JP DX Time 30/9)

NEPAL R Nepal now obs on 7165 // 5005; DS 1020* but R Nepal *1050 welcoming listeners to 'ES pgm'. EG starting w/10 min nx at 1050-1120; then NP to 1150 reversion to normal DS pgms. 21/8 monitoring shows ES was on 7165 only (WBI 23/8) Eves on 7165 ex-9590, & other times too. R Nepal CE Krishna B Kathry, 9N1RN told me on ham radio contact from R Nepal ham station that this is current sked: 0020-0520, 0620-1020, 1150-1720 HS on 7165 5005 + MW; Sats 0020-1720 w/out break. EG nx 0220 & 1450. ES now retimed to 1050-1150 in EG & NP, on 7165 only. Sats, 7165 carries HS 0020-1050 & 1150-1720; 5005 & 7165 carry two separate svcs now because there is a separate commercial svc. I pointed out that 1050-1150 is not good time for ES & Krishna agrees, so changes are envisaged and we'll also try to find a clearer spot for 7165 HS. It's great to be in contact w/the CE via ham radio; got my SSB clearance only in May (Goonetilleke)

NETHERLANDS In course of S84, or D84, test xmsns from new Flevo facility planned, on short notice replacing xmsns from Lopik: tent regs for Flevo S84: 5955 07-17, 6020 18-23, 9715 20-23, 11730 16-23, 11740 18-19, 11930 0645-12 (ITU and RN via Sept ADXN)

NEW ZEALAND New RNZ sked effective 27/10 1745: Pac 1745-2015 15485 17705, 2245-0015 & 0345-0630 17705. Au/PNG 2245-0015 & 0345-0630 & 0930-1115 on 15485; 0930-1115 9620 (Alf Backström, Sweden, Oct DSWCI SW News) Note SW svc no longer continuous for 18h, but in segments (gh) A report from Wellington in RA's Talkback 15/9 said NZ Min of BC'd and that the first ever Royal Commission into being'd be set up in near future; expected to take almost a year to conduct enquiries and'd report back towards end of 1985. Primary task on introduction of multi-ch TV in NZ; it'd consider spl ch for sports, films, parliamentary, public & local-govt affairs, education, spl interest groups, videotext, teletext, business nx. 'd also cover radio being and'd consider future options for SW svc. He said it was possible the present portfolios

of BCing & PMG might be merged and replaced by a MinCom some time in next four years (WBI 20/9) BCNZ proposal to govt for upgraded SW svc is for two 250 kW xmtrs at new site, Rangitaiki, E of Lake Taupo, in centre of North Island. NZ'll host 1990 Brit Commonwealth Games, and this might encourage the newly-elected govt to find the money for BCNZ proposal (Robert Jones, NSW, NL) During J84, BCNZ wanted to use 9820 to Au, but this was rejected by NZBC. The existing 6 MHz 2850 ant is very close to homes on the headland at Titahi Bay. Use in March caused severe QRM to local TV and radio reception. But investigations into alternative ant arrangements are being made, which may permit use of 6 MHz to Au from next winter (Robert Jones ADXN)

NIGERIA R Nigeria-Kaduna and 31/7 that along w/TV stn there, it'd be operating skeleton svc as from next day--2h in morn 0500-0700; eves 1500-2215; following inability of FRCN Kaduna to pay for electricity used by the stns; resultantly, elec supply disconnected by Natl Elec Power Authority (NEPA). Also said only diesel generator functioning at stn couldn't be opd more than 9h a day due to tech & financial problems. Skel svc'd be maintained one week, after which normal svcs expected to be restored. But if financial situation unimproved, the two stns'd be downclosed. Resultant time ch for nx in EG: 0530 ex-0600; 1530 ex-1445 (WBI 9/8) R Nigeria Lagos reported 9/8 that governor of Kwara State'd and that Kwara SBC'd be provided w/400 new 10 kW xmtrs to ensure stn received thruout state (WBI 16/8) R Nigeria-Lagos reported 16/8 that Sokoto State Govt'd signed contract w/Nig firm for supply of one mobile and four stationary 10 kW xmtrs for its radio stn. Necessary to get new ones because current ones lacked spare parts (WBI 23/8) R Nigeria-Lagos reported 20/9 that FRCN was efforting to resume educ svc [4932] ASAP. 'd gone off some weeks before due to fault at Ijede xmtr; FRCN Dir Gen assured that 'd resume as soon as relevant spare parts available (WBI 27/9)

PAKISTAN Recent obs: Islamabad now on 6105v *0045; also on 7090 1430-1615, then down to 5060. 4760v is not Peshawar, but from Is'bad relaying Pashtu svc. Pesh is hrd on 5735 f1230-1415 but vy weak. (Aug UADX) Azad Kashmir R obs on new 5990, 1200-1400, then 4980 at 1410-1800*. 4980 also used morns *0045; is relay from Rawalpindi xmtr, not directly from Muzaffarabad. Low powered xmtr there arnd 3670 not hrd for long time; may be off following commissioning of new 150 kW MW xmtr on 792. Is'bad now uses 5905 ex-7090 *0045, // 5060 (Sarath Weerakoon, Sri Lanka, SCDX 18/9) Qatar Nx Agcy (QNA) reported from Is'bad 5/9 that R Pak'd started spl svc for Paks working abroad, hrd in Gulf countries Suns 0740 on 16 & 25m. Spoxeman for Org of Overseas Pakistanis, which was presenting pgm in coop w/stn, said objective was to keep Paks in touch w/home. QNA said Pak's intl svc ops 12h daily in various langs (WBI 13/9)

PAPUA NEW GUINEA Info from NBC concerning proposed fq changes during Aug-Dec 1984: R West New Britain, Kimbe from 2340 to 3235, R Manus, Lorengau from 2428 to 3315. R Western Highlands, Mount Hagen from 2450 to 3375. R Northern Districts, Popondetta, from 2468 to 3345; R North Solomons, Kieta from 3322.5 to 3325, per Richard Jary of Sydney, who has already obs RND on 3345; and Craig Seager has hrd R Manus on 3315. R Chimbu is listed in WRTH on 2376--correct name of stn is R Simbu (Robert Chester, RA JP DX Time, 2/9) Applies to stns in Kundu--provincial network. Note Popondetta stn is correctly known as R Northern, not R Popondetta. WRTH 84 listing for R Morobe, Læe 9575, and P2T11 Port Moresby 11880 are not in operation, all per NBC Port Moresby (Jary, ADXN) R Australia reported 20/9 that its correspondent in P.M. had been formerly [sic--formally] notified by PNG govt that his work permit'd be revoked. This followed decision by ABC to show a TV interview w/rebel leader from neighbouring Indo prov of Irian Jaya. After incident, PNG form minister told parl all visits to PNG by ABC journalists 'd be banned and that present ABC correspondent'd have to leave when appointment expired. PNG govt demanded apology from ABC over incident (WBI 27/9)

PERÚ Estación 2000 hrd on 9988, 29/8 0230, F ancr, several US songs between annts; also SP mx; 0400* w/NA, not as in WRTH 0340 (Chuck Oliver, Spring TX) R Atlántida, Iquitos, ID 5/9 0328-0400 on 4804 that date only; from 6/9 back on 4790 (P Cacciamatta, Italy, Play-DX) R La Merced 4960.3, 30/8 0358-0406*, "una voz nueva para un mundo mejor" (Dario Monferini, Play-DX) R San Pedro, Cajamarca, 7433.8, verified by letter from v/s Rvdo. Lorenzo Vigo Díaz, Catholic parish priest for San José parish, including 30 kilsouls in Caj, 35 hamlets, 5 small towns. Stn is still experimental, he says, w/homemade eqp. Tech is Raúl López. Says stn in op since about May. Addr: Apartado 145 (or José Galvez No 683), Cajamarca. Is part of parish's evang work, and hopes to start normal pgming soon (Don Jensen, USA, via Oct DSWCI SW News)

PHILIPPINES VOA Tinang 15410 has big harmonic on 30820 at 1330 w/EG les; could be local phenomenon, but Tinang is about 100 km from here; twice as strong as fundamental, too. Another unID noted 0530 6/10 around 30800. Lang is Ilocano, a Filipino tongue spoken in northern Luzon. My yardboy IDed the lang but can't help w/xltn. Was a pgm of EZL mx, some annts, no ID hrd. Couldn't trace a parallel on MW or FM either; harmonic? Or STL in Ilocos? That area is 'controlled' by the NPA (Phil Comminists' New People's Army) so doubt I'll be doing any first-hand investigation (Gerry Bishop, Clark AFB)

PORTUGAL AWR Eu introed new sked 30/9--on 9670 05-10 w/EG 06-07 & 09-09½; DX pgm 09½-09½; 9605 used 07-10 in Eu langs & AR; also on 9670 at 1615 Mon UK, Tue RS (Robert Chester, RA JP DX 7/10) Let's see if one of those fqs from Malta? (gh) R Resençanga, Lisbon, non-govt Catholic stn w/bcs to Port emigrants: 0945 1230 Sun EU 9575; 1355-1800 Sat/Sun EU incl some relays of DS sports; 1800-2000 Eu incl regional nx 1830-1900; partial relay of DS nx 1930-1955, both on 9680. 2330-0130 to Brazil incl 0000-0020 & 0100-0120 nx, on 11730 (WBI 11/10) R Portugal Eu svc now using OOB 7710 for 2030 EG, 2100 FR, 2130 IT (Roger Tidy, SCDX 11/9) Maybe also 2000 GMT but inaudible here (SCDX ed) Because it's another case of a dyslexic or drunk RDP engineer

mixing up the digits and nobody there noticing for hours (gh) Lasted one day; next day back to apparent proper new fq 7170 (Tidy, SCDX 18/9) Previously reported on 7160 (SCDX ed.)

QATAR Tent QBS S84: 100 kW: 9545 20-21½, 9665 0245-07, 17775 13-17½, 21525 09-13. 250 kW: 11750 17½-21½, 11910 03-07, 15410 13-17½, 17860 09-13 (ITU via Sept ADXN) If past performance any guide, this stn might emerge anywhere, rather than on assigned fqs (Bob Padula, ADXN ed.)

SA'UDI ARABIA BSKSA recently on unusual fq 15082 in AR arnd 0600; varies often, to 15086; may be deliberate attempt to QRM Iran 15084 (Craig Seager, NSW, RA JP DX 30/9) Is genl pgm in AR from Riyad, hrd on 15083 & 15085, flanking Persian DS from Iran (WBI 13/9)

SENEGAL R Senegal Int'l on 4951.5, 25/9 & 26/9 2205-2230 in FR, not //4890, G (Zella & Monferini, Italy, Play-DX) Long inactive fq; varies

SEYCHELLES Negotiations underway betw British & Seych govts for construxion of relay stn. Target late 1987, w/two 300 kW SW xmtrs serving Kenya, Uganda, SE Af (Waveguide via Don Rhodes Robert Jones, Robert Chester, via Sept ADXN)

SINGAPORE Test xmns from SBC completed; used 6120 for EG, then 7280 & 7165 for Indian ch. This originated from spare xmtr; latest sked is: EG 5052 22-16½, 11940 22-1605; Malay 7250 2045-1605, 6155 2045-1605; CH 6000/9635 22-1605, Indian 7170 21-13, CH 7170 13-16. On eve of Gazetted Public Holidays, xmns extended to 1630 for all svcs (Bob Padula, Sept ADXN)

SOLOMON ISLANDS SIBC DS, Honiara, R Happy Isles, 1900-1300 in EG & Pidgin on 9545 5020. Some pgms during Nam window: 0600-0605 BBC WS nx relay, 0730-0740 EG nx, 0740-0748 M-F Int'l Report, 0800-0810 Pidgin nx, 0810-0830 M-F Solomon Is Report, 1000-1010 relay R Australia nx, 1100-1105 not Sun, nx Roundup in EG, 1100-1110 [Sun, apparently] Review of Weeks' [sic] Nx, 1200-1205 not Sun, Nx Roundup in Pidgin (WBI 27/9)

SOUTH AFRICA Capital R may be transferred to SABC, per present rumours in Saf (MN via Mick Ogrizek, Sept ADXN) R RSA quoted Dir Gen of SABC that it spent 10.5 mega\$ yearly on bc'ing in an effort to counteract anti-Saf propaganda. Said strength of R RSA was in its ability to bc w/out distortion and hypocrisy. Letter count increased from 15k in 1967 to 120k+ in 1983. Said besides USSR, Af countries such as Egypt, Ethiopia, Zimbabwe, Angola, Tanzania, Zambia, Ghana, Madagascar, Nigeria, Lesotho were bc'ing stream of anti-Saf prop obtained from SWAPO, ANC and PAC (WBI 6/9) SABC DS in EG on 4835 early morn & eve, 11790 daytime, span 04(Sat 0430 Sun 0500)-2200(Sat 2205) includes 0400-0430 M-F Calling all Farmers; 0430-0700 M-F Radio Today a mag pgm; Sat 0515-0600 Saturday Mirror, mag for Indian listeners; Fri 1915-2100 Microphone-in, phone-in pgm on topical issues. 2200-0400 relay Radio Orion (WBI 13/9) Afrikaans svc on 4880 & 3320 early morn & eve, 9560 & 11885 days, span 0350(Sat 0353, Sun 0357)-2200. Radio 5: EG/AK pop mx svc on 7170 0550-1525; 3250 0300-0545 & 1530-2200, incl EG nx 0500, M-F 0600, R Orion (all nite svc) 2200-0400 on 3250 incl EG nx 0230 (WBI 13/9) Capital Radio, Umtata, Transkei, 03(Sun 04)-23 on 9765 1150 3930 (WBI 13/9)

SPAIN Since 30/9, SFR EG to Eu hrd at 1830 on 11840, also ancing 2nd xmsn to Eu in EG at 2300 on 9780 7450 5960 (WBI 4/10) REE hrd w/new EG bc 2300-2400 8/10 on 7450 & 9780, F (Behr, Ont)

SRI LANKA & the US have agreed for setup of six VOA xmtrs, per details of agreement signed last Dec now available here in New Delhi; earlier 1951 agmt was for 3x35 kW xmtr, later handed over to SL authorities. Colombo was responsible for admn, opn and maintenance of these facilities. Also had right to get VOA transcripts before they were bc. Under present deal, 6 SW xmtrs'd be installed, four 500 kW and two 250 kW. US will have right to instal associated com & operational facilities. But SL will not have the right to supervise pgms. However, US to 'use its best endeavours' not to bc any pgm detrimental to natl interest of SL. Unlike previous deal, this time US 'd be responsible for admn, opn, maintenance. No limits on number of staff, but for 7 yrs stn'll be manned by US personnel (The Hindu, 14/7 via B Padaki, ADXR)

On 11/9/84, TWR Puttalam noted w/test xmsn 1830-1930 on MW 882; theyintendto intro regular EG pgm at that time; reports to Box 4310, New Delhi 110019; test had mx, fq EG amnts (Pradip Chandra Kundu, Asian DX Review)

Latest on DW relay in Trincomalee, hot from project manager just 5 mins ago [via another ham contact?]: First SW xmtr has been installed but no ant in place; they are being set up and in about 2 months--Nov--expect some initial tests from one of the three 300 kW xmtrs. On MW no definite fqs allotted but have requested from PTT 3 diff ones for night use to Pak, India & Bangladesh. Will have spl ant system on MW of beaming to those areas, not just usual omni. & this from Ceylon Daily News: stn built on 400 acre land belonging to SLBC will beam in 33 [sic--awful lot for a relay stn!] langs to As, Af, USSR. Feed'll be via satl (already commissioned -GVG). In 10 yrs after commissioning stn'll become SLBC property and DW'll have to pay rental for continued use of it. "It will be a grant". New stn will be on 24h, has own power plant which canproduce up to 5 MW, consuming 12 kilolitres of diesel daily. Will employ 10 German techs and abt 60 local staff. Complex includes living quarters. Tho can be used for domestic bc, SLBC don't intend to except in emergency. More next time, as I intend visiting stn in late Sept (Victor Goonetilleke, Sri Lanka, Aug UADX) Tests expected from new DW relay at Trincomalee (xmtr site Perkara), arnd Nov, from first of 300 kW units; tent D84 fq regs: 6065 20-01 SAs, 6185 21-22 China/SEAs/Au/NZ, 7110 22-24 SAs, 7200 1415-17 NE/India, 7265 1230-1430 China, 9510 1115-1230 China, 9545 10-14 China, 9600 20-24 China/SEAs/Au/NZ, 9685 18-20 Af 11705 1845-2045 Af/ME/NE, 11765 17-20 Af/ME/NE, 11850 1115-1230 China, 15105 01-03, 06-08 EAs, 15105 08-10 China/SEAs/Au/NZ, 15185 10-11 NE, 15215 0915-1030 China/NZ/Au/SEAs, 17800 2345-03 SAs, 17800 1015-1130 Af, 17815 1230-14 EAs, 17825 06-08 Af, 17825 08-09 NE (David Sapsford, Oct ADXN)

SURINAM 2/8, RN MN pgm quoted Dutch newspaper 'Trouw' that Surinam'd start SWBC to Neth 15/8. BC's be compiled by Sur gov't's Info Svc and'd be aimed at Surinamese living in Holland. Since Surinam didn't have a powerful enough SW xmtr of its own, it was planned to be relayed by the Sur PTT to Brazil, where a 250 kW Radiobras xmtr'd be used 18-19 Mon-Fri, 14½-15½ Sat, all on 17755. Lang & name of stn not ancd (WBI 9/8) Check of 17755 18-19 15/8+ failed to reveal this. RNMN reported 16/8 that svc postponed til 31/8 (WBI 23/8) R Surinam Int'l obs w/in-augural xmsn 1430 2/9 on 17755 via Brasilia, in Dutch; ancd Sunc 1430, Weds & Fris 1700; addr as: Stichting Radio Suriname Internationaal, Onafhankelijkheidshotel, Kleine Waterstraat 8, Paramaribo. PO Box number ancd as 2979. RSI said bc intended for WEU, aiming to inform Sur people and persons of Sur origin abt developments and events in Sur. 2/9 bc lasted 50 mins. (WBI 6/9) Monitoring confirms RSI on 17755 per above sked (WBI 13/9) Somebody reported 1600...

SWEDEN RSweden Intl introed addl daily xmsn in EG to NAM, 2/9 0330-0400 on 11705; DS relay, formerly from 0330, now *0400-0430 NAM/AF/Eu 9695 6065 (WBI 6/9) 0330 now sked on 6105 (gh)

SWITZERLAND Xmtr sites will be stated on QSLs from SRI, if requested (Robert Chester, ADKN)

SYRIA As of 1/9, Damascus hrd on new 7365, ex-12085; G w/DS pgm 2100-2215; intl nx 2215-2230, all in AR; s/off varies arnd 2225-2300 (Bob Padula, ADKN) AR DS of B'ing Svc of Syrian Arab Republic from Damascus now hrd on 12085 til 1500 apx, when replaced by 7365 (WBI 13/9)

TAIWAN BSF, 5000 kHz, has voice IDs--noted 13/10 0910 and 14/10 0750 + every 10 mins thereafter until 0830 t/out; really 0749:35. Sequence: "... .." code ID twice, then "BSF, BSF" and further Chinese speech by woman. Also ments "Chung-11". Time pips throught all this w/long pip on minute. Perhaps easiest way to get Taiwan on a tropical fq (Gerry Bishop, Philippines) WYFR relay hrdsn 7315 // 7125 at 1200-1410* w/CH relig pgm & hymns, both strong 9/9 (Ernie Behr, Ont) On occasion of Taiwan's Nat'l Day 10/10, VOFC ancd it'd bc live coverage in EG of Nat'l Day rally in Taipei. It'd be bc from 0140 on 17890 15270 5980 (WBI 11/10)

TANZANIA Recent reports of new Zanzibar xmtr on 11735 arnd 0600 suggest a one-time opn; Eu monitors haven't been able to hear it there or on any other ch (MN via Ian Eadie, Sept ADKN)

TUNISIA DS currently bc thus: 04½-06 15225 9675 7225. 06-16 17820 15225 11730. 16-18 11730 7225. 18-19 15225 11730 7225. 19-21 15225 11730. 21-23 15225 11730 7225. ES in AR: 16-18 15225, 19-21 7225 (WBI 20/9) Sked in somewhat diff format reported by WBI 4/10 contradicts with DS at 19-21 on 7225 not 11730, yet ES also on 7225 at 19-21. DS s/off extended to 0200 during Ramadan. DS also on 1566 kHz thruout--certainly possible in ENAM (gh)

U S S R For S84, ITU/IFRB shows a reg for the first time on 11 metres for Armavir, 100 kW, 25620, 04-14½ to C&SAf (David Sapsford, UK, Oct ADKN) Strange happenings: can anyone explain this? Russians now using strange method of putting same pgm on two xmtrs 2.5 kHz apart w/out causing het between them--e.g. 15200/202.5, 15225/257.5, 9735/737.5. It's not on SSB like on a relay w/two sidebands carrying the two pgms. My BFO beats w/both 15200 & 15202.5, so disregard one-xmtr theory. It's a new technique they are trying out (Victor Goonetilleke, UADX)

SSB xmtr being hrd on 16330 05-16 apx w/AUR cultural & c1 mx Third Pgm=LSB, while Mayak on USB. Believed to be first time pgm-3 obs on such a xmtr. (WBI 16/8) In a check for 2/9 changes, it was found that RSP&P's Creole xmsn to Haiti is daily instead of two days a week--0000-0030 on 11980 9470 (WBI 6/9) AUR reported 18/9 that USSR'd uniformize start & finish of summer time w/Eu countries--from last Sun in March at 0200 LT to last Sun in Sept at 0300 LT. Therefore, USSR DST'd end this year 30/9 0300 LT; former sked for 30/9-1/10 10c midnite (WBI 20/9) RM, RSP&P, R Kiev etc switched to winter sked 0000 30/9 w/time change; so pgms to Eu, ME, NAM now one hour later than summer; to Af/As/LAM in the main unchanged. A feature of the winter sked is increase in use by USSR of projected new 22m band; tho RM xmsns first noted in this band for just 3h a day on one ch, 13790 in July, 22m used since 30/9 as follows, per monitoring in UK which may not be complete: 13680 10-11 GM EU & 14-23 EG/PT/Bambara/Fulani S&WAF. 13650 15-21½ EG/Hausa WAF. 13645 10-17 Urdu/RS/Kannada/Punjabi/Pashto & Dari to Afgh/SAs. 13635 04-07 EG/FR Af 15½-22 Amharic/Shona/Ndebele/FR/PT/RS S&EAF. 13625 15-20½ Malagasy/Somali/Zulu/Swahili E&SAf. 13600 05-14½ RS AUR pgm 3 to USSR (WBI 4/10) Continuing survey of 22m shows RM also on 13660 17-21½ w/FR R Moscou Int'l svc w/regional opt-out for Af to 2100 when switches to AR Naf. Since 30/9, 13600 used for Pgm 3 version to listeners in Bashkir ASSR and the Sverdlovsk, Chelyabinsk, Perm, Tyumen, Orenburg Kurgan and Omsk oblasts of the RSFSR. Now established that the 16330 SSB feeder, ment'd above, carries same svc. For certain pgms these two op // pgm 3 version for Eu USSR on 11690 7440 5900 (WBI 11/10)

U K O G B A N I The first of eight 500 kW xmtrs for BBC, at Rampisham, commenced tests in May --it's in use abt 3h daily to EG&Eu, ME. Second 500 should come on air during D84. Satl pgm feeds to Antigua & Ascension should start before end of 1984 (Robert Jones, Sept ADKN)

U S A Because of an expected heavy sked of Sat nite college football games on WRNO thru Nov, pre-empting the 0130 (now 0230) UTC Sun airing of World of Radio on 7355, it was arranged to temporarily move this airing to Fri night; however, WRNO owner Joe Costello exercised his prerogative to veto this, so when there's football you must catch W.O.R. only on one of the other two chances, now GMT Sat 0530 on 6185, Sun 1400 on 11965. R Earth departed WRNO 24/9--see DOMINICAN REPUBLIC (gh) WYFR has given up its prime-time EG completely, 0200-0500 since 6065 has been added to 5985 for VOFC relays during that time period, since 14/10. However, this may resume once the 10th xmtr is in operation (Jim Conrad, IA) I expect in return they're getting more out of Taiwan relay--I imagine the sesquigigaeathensouls in China & India are a higher priority for them (gh) The new addr of the WYFR tech dept is 10400 NW 240th St, Okeechobee FL 33472 (NL) Family R's xmtr #8 commenced 17/5/84 using a new 355° vertical LP ant to

ECAN. Sked was 11875 13-2252, 11775 23-0152, 9680 02-0452, 6065 05-08. The unit took just over a year to construct by FR staff, saving half the normal cost of a new xmtr, \$300,000. Xmters 9 & 10 may be in opn by end of Sept 84. Five new vertical Log-periodic ants are planned - one for E Canada, one for W Canada, three for SAM. Construxion delayed by swampy condx of ant farm, due to usual summer storms. From Nov xmsn breaks'll commence at :47 pastthehour instead of :52 because of planned changeover from reel to reel tapes to cassette machines, for most pgms (Robert Jones, Sept ADXN)

KGEI on 7365 at 0225 3/9, religious pgm in unfamiliar lang (Chuck Oliver, Spring TX) Tent D84: 5955 12½-13½ 250 kW, 5985 11½-12½ 250, 6010 09½-11½ 250, 6150 13½-15 250; rest 50 kW: 9615 02-14½, 15280 21½-02, 15355 14½-16 (ITU via Bob Padula, ADXN) No mention here of 7365 or replacement fq during that time period; overlooked or giving up on polar service? (gh)

VOA on 7445 at 0255 23/8 in Republican convention; gave umpteen fqs but not this (Chuck Oliver, Spring TX) 11740 was only VOA fq I could hear not carrying the Reagan-Mondale debate 8/10 0100-0200*; instead was nonstop EZL mx w/no amnts, even at s/off (John Norfolk, OKC)

KCBI: I've tried to obtain projected fqs from them, but they are reluctant to give them to me since changes are possible before use and "KCBI will not depend on listener support" so it doesn't really matter whether listeners are given the fqs or not! However; (gh) KCBI in Dallas registered for D84: 11905 18-19--also certain days 1645-1800--to WEU; 11790 19-22 WEU, 11870 01-04 to Brazil (NL)

UPPER VOLTA This is presumably the last time you will see this country heading because (gh) Since UV changed its name to Bourkina Fasso, the natl radio stn in Ouagadougou has been IDing as "the Nat'l R of Bourkina" (WBI 9/8) 8/8, Nat'l R of Burkina carried interview w/its Dir on confusion concerning new name--said it should be spelt as BURKINA FASO, Burkina being the name of the country and Faso being a word with a similar meaning to popular & democratic republic (WBI 16/8) I can see it now--KOREA FASO, YEMEN FASO... (gh)

VENEZUELA R Nacional noted on 11694.7 from 1200 w/weak sig & het, 11/10 only; 1600 Ven NA to 1605, but pgm continued, mostly US pop songs, probably relay of 1050 kHz, not the Extl Svc. Much weaker than R Clarin & LV del CID nearby (Ernie Behr, Ont) R Juventud, 4900 has a DX pgm Fri 0100-0105, "HOLA Dixistas"; addr: HOLA Dixistas, Av. 20 Entre Calles 40 y 41, Palacio Radial, Barquisimeto (I E Olivar Velásquez, Play DX, 17/9) I confirmed this on a GMT Sat but it sure didn't amount to much, over almost before it began (gh)

VIETNAM Lam Dong now on new 4805, *1145-1230*, vy difficult fq since RRI Kupang and various FTP stns also there. (Seiichiro Kiyota & Yasuyuki Masuda, ADXN via RA JP DX Time 26/8) Bac Thai regional now on 6829, ex-6807, ex-6833, etc, *1130. Cao Bang on 6533 ex-6520v, *1200 but poor& distorted audio. Son La on 4701 ex-4770, best at 1200, // 6330 (Craig Seager, ibid.) VOV in EG: 2330, 1000, 1100 on 12035 9840; 1330, 1600, 1800, 1900, 2030 on 15010 10040; half-hour xmsns (WBI 11/10)

YUGOSLAVIA Tanjug reported an agreement signed in Belgrade 25/9 betw R Yugoslavia and Minel (a Belgrade-based electrical & construxion co) for the bldg of a new ant system consisting of 43 ants 15 to 100m high, and'd be largest ant system ever constructed in Yugo. When completed in a sesquyear, RY'd be 'audible in virtually the most remote parts of the globe'. The ensured range'd be about 6 megameters w/possibility that RY'd be audible to 10 Mm. All Yugo stns pgms for forn audiences'd be ce thru new ant system, w/four 500 kW xmters (WBI 27/9) Per Tanjug 6/10, RY'd be easily rxd by listeners in all parts of world when four 500 kW's completed and 43-aerial-system installed. Should reduce complaints about reception and tech quality of pgms, which are at present sent from all over the world, except from Bulgaria & Albania [sic--why?--does this mean that they have received complaints from, e.g. Nauru?]. The whole project, costing 3 milliard dinars [sic--this means 3 gigadinars -gh], is being built nr Bijeljina. Xmsn lines already laid and road & transformer stn completed. Construxion of xmsn centre is in its final stages (WBI 11/10)

ZAIRE La Voix du Zaïre, Kinshasa, DS is continuous on 15350 15245 11720 9770 6140; pgms in FR Kikongo, Lingala, Swahili, Tshiluba; FR nx at: 05, 06, 07, 08, 09, 10, 13, 14, 15, 18, 20, 21, 22, 23--some are 5 mins, some 30. Regional stns w/local pgms and some nx from Kinshasa: Bاندundu 7115, Bukava[sic--Bukavu] 4839, Kananga 6125, Kisangani 6085, Lubumbashi 11865 7205, Mbandaka 5995, Mbuji-Mayi 7295; R Scolaire et Développement Candip, Bunia on 5066 3390 (WBI 13)

ZIMBABWE ZBC, Harare nice level 1515-1545* 17/8, not hrd since on unlisted 5975, in /9 Vernacular, EG ID & reminder that 90mb continues; good (Philip Harrison, WA, Sept ADXN) ZBS Radio 2, 5975, 0600-0610 4/8 in vern, reactivated after many years, ex-7121 (Vashek Kofinek, RSA, Sept DSWCI SW News) ZBS Radio 1, 6019.5, 4/8 0610-0615, pgm review [preview?] in EG, reactivated, ex-7285 (ibid.)

UNIDENTIFIED 7260 stn hrd from 1258 w/weird, monotonous chants & Asian-type mx to 1315*; G sig 5/10 but weak other days; seems to open at 1245 in unID lang, probably EAs. One of the strangest I've ever hrd; hope someone can check it out right away as it may disappear in Nov (Ernie Behr, Ont)

5900 IAm noted 13/9 from 1050 in SP, 1102 lite mx, weak but clear; new stn or a Cuban harmonic of 590? (Ernie Behr, Ont) Well, Juan Carlos Codina hasn't reported anything lately on 5900.0

5030 Hrd from 0415 w/nonstop Irish or Scottish folksongs to 0450 f/out, Mon GMT 17/9 only, strong sig, using USB-FC mode; perhaps a new SAF cland testing, as this was an excellent Af nite; also hrd V da Resistência 4950 & R Truth 5015, from 0430 to 0450 f/out (Ernie Behr, Ont)

CLANDESTINE CRANNY R Truth This stn, hostile to Zimbabwe govt, again hrd from 1700 w/half hr pgm in Shona & Ndebele, 22/8 on 5015; had been suspended 23/1. Continues w/EG 0430 on 5015 (WBI 30/8) & the 1700 bc has some anmts and occl items in EG. First tests were hrd 10/3/83; first commentary material on 25/3/83 (WBI 6/9).

R Chad (formerly R Bardai), supporting the Transitional Nat'l Union Govt under Goukouni Oueddi, hostile to Hissain Habré, "the voice of the liberation" sked apx 1800-2030 in Sarah, Korah Arabic & FR on 6009, incl 18-19 verns, 1900-1945 AR, 1945-2030 FR. First hrd Feb 83; says it bcs from Bardai, town in extreme northern Chad, but xmtr believed to be in Libya; when first hrd, I ded as "R Bardai, Chadian Nat'l R, the v of the liberation" (WBI 9/8) This stn, hostile to the govt in Ndjamena, ancd 27/9 that 'due to numerous reaxions expressed here and there, "R Bardai" 'd return to its former sked of lang xmsns 4/10, again w/FR at 1800, then AR, Sarah, Korah. RFI reported 26/9 that R Bardai bc from Sabha, in southern Libya (WBI 4/10)

V of the Libyan People hrd on new 11640 in AR 1820-2244*v, 7/10 & other days, always jammed, // 15040 clear; 14/10 from *2330 to 2232*. Not to be confused w/cland R Iran, also on 11640 but much weaker (Ernie Behr, Ont)

V of the Homeland (Arabic: Sawt al-Watan), operated by the al-Maqasid benevolent charity organisation, supporting the Sunni Muslims; on 1134 kHz in AR from 0400, s/off time unk; nx on hour every hour and with major bulletins at 05, 11, 16; one hour earlier during summer time. R Kuwait reported this stn started expl xmsns 27/3/84, but not traced til 1/8/84 (WBI 6/9) Oh, this is in Lebanon, qv

R Iran [see also EGYPT] On 15650, fair 6/10 *1830 w/musical IS, ID & Farsi talk, but faded by 1840; // 11640 was inaudible due to V of Libyan People on same fq (Ernie Behr, Ont) R Iran.

V of the Iranian Nat'l Resistance Movement, 17 Bd, Raspail, 75007 Paris France, hrd on 9584 opening 0200 and per sked: 0400, 1300, 1830 daily on 3360 7170 9400 9584 11840 11750 15650. Power shown as 250, 500 and 100 kW, but location of xmtrs not disclosed; per verie (Arthur T Cushen, NZ, via Sept IDXCX ADXR)

R Iran Trollers Per a report in the London-based Persian-lang emigré npaper 'Kayhan', 6/9: The Islamic Rep had taken steps some time ago to place xmtrs on the borders of Iran and the Asian republic [sic] of the USSR, and had started xmitting anti-Soviet commentaries and pro-Islamic Rev propaganda. Meanwhile, the Russians, who already had a few cland anti-Islamic Rep xmtrs, established a new xmtr called 'R Iran Trollers' in Kabul, carrying commentaries against the IsRep and in favour of the Tudeh party and the "trollers". Russians also jamming fqs of Iranian radio. Kayhan said that at beginning of the establishment of the IsRep, the Russians had put spl jamming devices at the disposal of the Iranian govt (WBI 20/9)

V of the Liberation of Iran (Persian: Seda-ye Jebhe-ye Nejat-e Iran), pro-monarchist and hostile to Khomeyni and the Iranian govt, uses 15554 & 9027 at 1630-1830 in Persian, repeated at 0330-0530. First monitored 23/6/83, but may've been on air since at least 21/3/83. Stn anmts also in EG & FR; has also been designated "R Salvation of Iran" by BBCMS (WBI 20/9) VOTLOI ancd 18/9 that one of its postal adrs was: P O Box 301 582, 2000 Hamburg 36, W Germany (WBI)

V of the Communist Party of Iran A stn in Persian IDing this way (Persian: Seda-ye Hezbe Komonist-e Iran) hrd on 4470 26/8, and on 4467 27/8. Xmsns from 1732 apx to 1830; s/on & off w/"Internationale". Gave addr as "EM, Box 2123, London WC1N 3XX, England" and said bc every eve 1730 in 65 & 39m bands, repeated next day at 0315. Fris at 0430. Sig was USB only w/full carrier; not traced 28/8 (WBI 30/8) Continues hrd on 4468/4470 1730-1830, but not traced 28/8 & 2/9. Apart from above addr in England, also gives: Postfach 501142, 5000 Cologne 50, W Germany; and FHI, CP 1064, 10100 Turin, Italy. Further monitoring reveals a 49mb channel is announced rather than a 39m one (WBI 6/9) The ancd 0315-0415 & Fri 0430-0530 bcs unconfirmed (ibid.) Hrd at 1730 5/9 on 6530, // 4460; most days obs on 4468 (WBI 13/9) Hrd 1730-1830 on fqs arnd 6510 and 4468, ancd 19/9 that from 23/9 and for several subsequent days, it'd bc an addl xmsn at 1930 in order to read out articles from the 11th issue of the 'Komonist' publication. This xmsn confirmed 23/9; it contained statement that anmts of this spl bc'd also been carried by the V of the Iranian Revolution (WBI 27/9) Discontinued addl pgm at 1930 on 27/9. However, 28/9 reappeared to bc coded msgs 1930-1955, on 4468 & 6511. Coded messages in Persian also hrd at end of stn's regular xmsns (WBI 4/10)

V of Iranian Kurdistan (Kurdish: Ayra Dangi Kurdistanî Irana), supporting the Iranian Kurdish Democratic Party, hostile to Iranian govt, uses 9405 & 7400 at 0330-0430 Kurdish, 0900-1030 & 1330-1500 in Kurdish/Persian; first hrd 13/10 [1983?] (WBI 6/9)

V of the People of Burma, supporting the pro-Peking Burma Communist Party, on 7570: 0030-0100 Burmese, 0100-0130 Karen, 0130-0150 Jinghpaw, 0150-0220 Shan, 0220-0240 Wa, 0240-0300 Std Chinese, 1200-1230 Burmese, 1230-1300 Karen, 1300-1320 Jinghpaw, 1320-1350 Shan, 1350-1410 Wa, 1410-1435 Std Chinese. First hrd 9/4/71 tho subsequent anmt indicated inauguration on 28/3. After test period towards end of Nov 1979, the present VOPB replaced the original stn on 28/3/80 (WBI 13/9)

Kawthulei R This stn not hrd since Dec 1983 when Burmese army launched heavy attack on the Karen stronghold in Mow Pokay. I just contacted a high ranking Karen offi who is closely link ed w/the stn and per him they had to go off the air due to heavy 'enemy axion' on three fronts. So not being since Dec, but hope to resume in abt 6 months or so. Usually during the dry season attax vy heavy so during next monsoon they might work on stn again. (Goonetilleke, UADX)

V of the National Army of Democratic Kampuchea (Cambodian: Samleng Kangtoap Cheat Kampuchea Pracheathippatai), supporting the Coalition Govt of Demo Kampuchea; hostile to present Phnom Penh regime and to Viet involvement in Cambodia, uses 5200: 0015-0045 Viet, 0500-0600 & 1000-1330 Camb, 1330-1400 Viet, 2300-0015 Camb; inaugurated bcs on 14/2/83 (WBI 11/10) One reason BBCMS expenses are so high that they must discontinue publication next year is that a typical item like this is spread out to take up an entire page of WBI, while it takes 4 lines here to convey every bit of information given there... (gh)

V of Democratic Kampuchea Further obs of this stn, being material in Cambodia hostile to the govt of Cambodia from xmtrs in China, show the 1300-1400 xmsn on 15300 & 6550 in addn to 11675 (WBI 13/9)

Vietnam Resistance R, hostile to govt of Vietnam, continues to be hrd on 7355 at 0200, 0500, 0900, 1500 and 2200 (WBI 11/10)

V of the People of Malaysia (Malay: Suara Rakyat Malaysia), pro-Peking, hostile to govt of Malaysia, on 7070v: 1130-12 Cantonese, 12-1230 Std CH, 1230-1300 Malay, 13-1330 Tamil, 1430-15 CN, 15-1530 Std CH, 2130-22 CN, 22-2230 ML, 2230-23 Std CH, 23-2330 TM. First hrd 4/5/76, as "V of the People of Malaya". Name changed to above on 11/12/83 as result of merger of the Marxist/Leninist Communist Party of Malaya w/the Rev'ly Wing of the CPM, into the Malaysian Communist Party (WBI 20/9)

V of the Revolutionary Party for Reunification (Korean: Tongil Hyongmyongdang Moksoti Pangsong iminda), pro-communist, favouring reunification of Korea from the N Korean point of view, sked: 03-04 KR on 4557 1053, 10-14 KR on 4557 4120 1053. 14-1430 EG to S Korea like other xmsns, on 4557 4120 1053. 15-17 & 20-2230 KR on 4557 1053, including at 2200 relay of nx from KCBS, Pyongyang. First hrd 26/8/70; tho claiming to op from Seoul, believed to be in NK (WBI 6/9)

LV del CID Recent obs show R Clarín 11700, Dom Rep, continues carrying SP svc at apx 1615-0215, no longer specifically ancd as "R Máximo Gómez, the V of CID", only IDing as R Clarín. Without embargo, most pgms appear to be verbatim repeats of similar bcs carried by the recently monitored CID stns as follows: R Máximo Gómez, 11680, 12-22. R Camilo Cienfuegos, 10040, 00-24 [no, I'm certain it is 03-03 -gh]. R José Antonio Echeverría, 7465, 2120-2230--still ancd by R Máx G6m but not obs for several months. R Frank Pafis, 7400, 0250-0450. R Antonio Guiteras, 7352, 0015-0225 & 0950-1200. R Ignacio Agramonte, 5106 02-03 & 11-12 but not obs for the past two months. R Antonio Maceo, 4980 via Ecos de Torbe [sic], San Cristóbal, Venezuela, 4980, 0105-0130. CID is hostile to Pres Castro & govt of Cuba (WBI 23/8) Above outdated, see below, but included for the record (gh) LV del CID extended bc on 11680, hrd 10/10 w/SP pgm & pop mx 2100-2402*, switched to 7352.5 at *0002-0300*, then to 7400 at *0300-1200*v, again to 11680 after 1200, no pauses. Stronger on 10040 which is exactly // at all times, so all of the above are obviously at same site, but where? Do we have a NASWA member who can check out Cobán, Guatemala? (Ernie Behr, Ont) Consolidation, resulting from losing a site or two? That sked matches one ancd previously on 10039v in ET (gh) Recent obs show 24h R Camilo Cienfuegos on 10040 now operates in // 00-03 on 7352.5, 03-12 on 7400, 12-24 on 11680, thus displacing R Antonio Guiteras, R Frank Pafis and R Máximo Gómez, which formerly operated on those channels. The R Antonio Maceo svc, via Ecos del Torbes, is no longer hrd, but R Clarín continues w/similar but separate svc on 11700 1615-0300 (WBI 11/10) Answering Ernie's other question above, I believe Don Moore visited Cobán and liked the place very much, but I don't think he was looking for CID sites... (gh) CID noted once on diff fq, 6555 at 0230; however another night, once only, hrd on 5555 instead; I double checked to be sure about this (Jim Conrad, IA, 16/10) That of course raises the question whether CID is co-sited w/Nic eland 15 de Sept (gh)

R Farabundo Martí / R Venceremos Anmt by RFM 0100 23/7 requested listeners to be on lookout for the "V of the Vanguard" pgm due to begin at 1830 23/7. FMLN stns RV in Morazán Dept and RFM in Chalatenango Dept, 'd be being this spl pgm from its General Staff w/important instructions to all its people. In report from San Salv 1/8, Ital nx agcy IPS said Salv guerrillas'd decided to unite their two stns, which were now carrying 9h per day of nx & mx. Xmsns monitored in San Sal on both SW & FM showed RFM and RV joined xmsns in late July. On occasions they split, one nx, other mx or spl pgms. These stns on SW at 06, 12, 17, 19 and 20h local time. Last daily xmsn also hrd in San Sal on FM. The two were established resp by People's Libn For ces--FPL--and the People's Rev'ly Army (ERP), two of the five orgs making up FMLN. At first they used diff formats and even had discrepancies in their reports and propaganda. But per anmts on both, they'd decided to merge into V of the Vanguard. FMLN had had other stns, incl R Unidad, R Guazapa and R Liberación, but only R Venceremos and R Farabundo Martí have been able to survive more than two years. Salv govt, per IPS, had w/JUS assistance tried to jam the fqs and locate the stns, but to no avail. Per offl spoxeman, both bc from Nicaragua, but RFM stressed it was in northern El Sal and RV said it was 'somewhere in Morazán, a dept in eastern El Sal nr Honduras. FMLN & Salv govt army 'd been involved in a nearly pentayear war causing apx 50 kilodeaths. RFM ancd it'd have a new xmsn sked from 30/7--1230 & 1830 as usual but adding anew one at 2300, and make its last bc of the day at 0100 (WBI 9/8) On 14/8, RFM ancd that the radio stns of the FMLN rev'ly cbcs system, RV & RFM, were being from Morazán and Chalatenango on 40 & 80m bands and FM; simultaneously at 1230 & 1830; RFM w/new sked 2300 & 0100 while RV at 0000 & 0230; nine hours of xmsns per day (WBI 23/8) FMLN stn R Venceremos ancd daily bcs in 40m band near 7 MHz at 1215, 1830, 0000, 0230--also on 98.5 Mhz FM for San Salvador at 0230 and for most of the 'eastern zone' at 2000 & 0630. Sundays, spl sked of 1400, 2000, 0230. Listeners letters to: P O Box 7-907, México, DF (WBI 30/8)

R Monimbó, on 6230, vy strong 24/9 *0000-0103* & *0200-0303*, SP talk and pop mx, varies to 0105* and 0305* some days; using DSB-AM mode, not the old USB xmtr of LV de Sandino (Ernie Behr, Ont) More like 6229.9, also noted here at 1300. Apparently began on 16/9, CAM indep day. Less strident and more suave than other contras; also more mx; named for an Indian barrio of Masaya known for its struggle against Somoza (gh)

R Free Surinam 29/7, this stn obs back on 6850 0112-0125; 31/7 0101-0116 (WBI 16/8)

R Macondo Per Spanish nx agcy report 31/8, a stn called this bcng material supporting the 19th April (M-19) movement, began xmitting from 'somewhere in the mtns' a few hours after the cease-fire between the Colombian govt and the guerrillas went into effect. The ancrs claimed xmsn originated in SW Colombia, experts from Comms Ministry reported they came from somewhere in the Central range near Corinto. (WBI 6/9) El Tiempo nxpaper reported 1/9 that authorities were investigating emergence of a clandestine stn that M-19 reportedly founded to bc "political and seditious" material to southern Colombian peasants. Stn reportedly emitting weak sig, which'd only been hrd w/in small radius of village of Corinto. El Tiempo correspondents in Nariño, Valle, Cauca [Valle del Cauca?], Huila, Caquetá Depts'd reported the stn unhrd in any of their depts (WBI 13/9) Uh, would you mind giving us the frequency, anyway? (gh)

NORTH AMERICAN PIRATES

"WCLF" 4/9 0041-0130 on 7425, F-P; usual rock mx. Why do they call pirates 'alternative radio' when most of them are pumping out the same trash hrd on legit stns? Claimed to be in Chicago; gave phone number in 312 area code but unable to copy the rest; also hrd talk about QSLs but did not hear addr if one was given at all. Gone at 0205 recheck (John Norfolk, OKC)

"RNCL", Radio North (?) Int'l--couldn't make out third word, hrd 8/10 0029-0034* on 7425; gave Moorhead MN addr (John Norfolk, OKC)

R Clandestine, 24/9 0313-0350 on 7355, usual pgms (John Norfolk, Oklahoma City OK)

PUBLICATIONS

Aunt Julia and the Scriptwriter If you enjoy DXing Latin American stns, I am sure you will enjoy reading this novel by leading Peruvian author Mario Vargas Llosa. The hardback English edition is published by Faber & Faber, and the Picador paperback sells in Auckland for \$9.95. This is probably the first Latin American novel I've read, but my appetite has certainly been whetted for more. The critics have lavished praise on the author as worthy of the Nobel Prize for Literature--Time magazine described the book as a "bedazzlement of entertainment". And it certainly is! The scriptwriter of the novel's title is one Pedro Camacho, the prolific writer of soap opera serials at Radio Illimani in La Paz, Bolivia. He is lured to Lima, Peru to boost the listener ratings at Radio Central, which has traditionally secured its serializations from the station which (in those pre-Castro days) epitomised commercial radio in Latin America--CMQ in Havana, Cuba. Meanwhile at sister stn Radio Panamericana, where the programme format is more easy-listening, the youthful narrator, Vargas (the story appears to have biographical origins), is News Director. Julia is his divorced aunt, who has also come from La Paz, altho her mission is to find a new husband! The story alternates between the growing relationship of young Vargas and his aunt Julia, and the efforts of Camacho, whose incredible serials soon have Radio Central rocketing up the ratings. But the pressure soon begins to take its toll, with hilarious results! You'll also learn how a radio news service runs, and begin to realise how lucky a DXer is to QSL some stations. Most readers will find this a really funny story, but for the IAm DXer, who may have axually heard some of the stns featured in the book, it is a most hilarious perspective on the hobby. Why not check out your local bookshop or library for entertaining reading! (Bryan Clark, Sept New Zealand DX Times)

Review of International Broadcasting also has a new addr, Box 490756, Ft Lauderdale, FL 33349. The latest "Sept" issue includes lots of info of interest to IAm DXers--5-page Report from Peru by Juan Carlos Codina, background on US involvement in Costa Rican bcng, report by Zettl on visits to Ecuadorian stns; Radio Monimbó monitoring; Trinidad & Tobago uproar over US-controlled EG stn in Venezuela; Radio Equipment Forum, Via FBIS, lots of program listening tips, Broadcasts in English update, and other articles. \$1.50 for sample copy, \$18 subscription in US; US\$1.75 for sample, US\$21 sub in Canada, on US bank (gh)

EDITORIAL STANDARDS [Cf Aug LN-25] Several people have drawn my attn to June listing of 4955 for Surinam, incl gh in FRENDX who devoted considerable space to a somewhat unnecessary and rather self-righteous lecture on the matter. The fq was listed as supplied to me by the contributor. If a fq doesn't appear in my regular reference sources I have the choice of including it or leaving it out. With many stns appearing on unlisted fqs over the last year, my usual decision is to give it the benefit of the doubt and include it in the list so it can be checked by others as a possible logging. I also expect contributors to have already checked what they send in, tho there are too many incorrect loggings still coming in from newer members. Please check them out. I don't mind criticism from people who contribute. If you don't contribute to the magazine I don't give a crap about your opinions. Everyone who puts the DX Times together does so on a voluntary basis and have a limited amount of time they can give (anonymous NZ DX Times SW Bandwatch editor, Sept)

Sorry if this bothered you, but an example needed to be made. For me, the greatest possible accuracy is more important. I of course am a contributor (indirectly) to NZDXT-2 pages worth in that issue. IN readers, even non-contributors are always welcome to question material here, but only with specifics, not just 'so & so' is unreliable. Wrong info is worse than none (gh)

QSL REPORTS

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



ALASKA: KNLS 11790 f/d ltr. in 19 ds. for ms. (Wood-NY). 11850 form ltr. in 15 ds. for ms. v/s Francis M. Perry, Director of Engineering. (Withering-AL).
ALGERIA: RTVA 17745 f/d "Tapestry" cd. in ton-FL). 120 ds. for 2 IRCs. (Lare-MI). same in 37 ds. (Goslow-MA). in 105 ds. for ms. (Mayer-PA). cd. in 89 ds. (Kacir-MI). same w/ schedule in 59 ds. for 2 IRCs. (Church-VT). f/d cd. in 183 ds. for a FR rpt. and 2 IRCs. (Caravan-PA).

ANTIGUA: Deutsche Welle 6040 n/d cd. in 144 ds. for 1 IRC. (Green-TN).
ARMENIAN SSR: Radio Yerevan 17860 f/d cd. in 50 ds. w/ pennant for ms. (DASIATIC RUSSIA: Radio Moscow 12060 via Kenga f/d cd. in 33 ds. vis-CO). (Green-TN). 15170 via Irkutsk w/ f/d "Bolshoi Theatre" cd. in 29 ds. w/ schedule. (Paszkievicz-WI).

AUSTRALIA: Radio Australia 9580 f/d "Aboriginal Actor" cd. w/ sticker in 105 ds. for \$2.00 (Dye-AR). via Shepparton w/ f/d cd. in 36 ds. (Goslow-MA). cd. in 19 ds. for 1 IRC. (Wood-NY). VLW9 9680 via Lynnhurst f/d "Map" cd. in 105 ds. for 4 IRCs. (Paszkievicz-WI). same in 331 ds. for 1 IRC. (Cones-VA). VLW9 9610 via Perth f/d cd. in 26 ds. (Henschen-IN).

AUSTRIA: ORF 5945 f/d "Austrian Art" cd. in 26 ds. (Levison-PA). 11655 f/d cd. w/ schedule in 2 mo. (Witherington-FL).

BELGIUM: BRT 9925 f/d "Map" cd. in 30 ds. (Dillon-DC). cd. in 46 ds. (Goslow-MA). 11620 f/d "Damme" cd. in 1 mo. (Dillon-DC). 5910 form ltr. in 154 ds. for 2 IRCs. (Gurley-TX). 11620 and 9925 f/d cds. in 43 ds. w/ sticker. (Levison-PA).

BELIZE: Radio Belize 3285 f/d "Map" cd. in 3 wks. for 2 IRCs.

BOLIVIA: Radio Abaroa 4719 n/d ltr. in (Witherington-FL) 2 mo. v/s Rolman Medina Mendez. Addr: Casilla #58, Riberalta. (Moore-HOND).

BOINAIRE: Radio Nederland 15560 f/d cd. w/ sked. in 15 ds. (Witherington).

BRASIL: Radio Universo 11905 ltr. w/ stickers in 24 ds. for a PT rpt. and 1 IRC. v/s Luiz Rubio, Director. (Schmitz-FRG). Radio Bras 15290 f/d cd. w/ sticker in 42 ds. for 1 IRC. v/d * Denise Uchoa. (Kacir-MI). Radio Maua n/d cd. in 1 mo. for a PT rpt. This was for a 78 reception. (Field-MI). Radiodifusora Maranhao 4755 p/d ltr. in 46 ds. for a PT rpt. (Barto-CT). Radio Bandeirantes 9645 n/d EG form ltr. w/ sticker in 152 ds. for a PT rpt. and ms. v/s Salamao Esper. (Wilkins-CO). 6185 ltr. w/ sticker in 27 ds. (Moore-HOND).

BYELORUSSIAN SSR: Radio Moscow 15150 via Minsk f/d "Lenin Library" cd. in 28 ds. (Dillon-DC).

CANADA: CFVP 6030 p/d ltr. in 110 ds. for ms. v/s Collene E. Heywood, Program Secretary. (Cones-VA).

CHINA: Radio Beijing 15520 f/d "Great Wall" cd. in 27 ds. (Goslow-MA). same w/ pennant in 46 ds. (Levison-PA). f/d "Palace" cd. in 34 ds. w/ pin and schedule. (Kacir-MI).

CLANDESTINE: La Voz del CID 6320 f/d "Flag Logo" cd. in 2 wks. * for a SP rpt. (Valko-PA). Radio Farabundo Marti 6920 personal ltr. in 10 1/2 mo. (Valko-PA). 6930 p/d "FMLN Combatants" cd. w/ ltr. in 330 ds. for a SP rpt. v/s Roberto Acuna. (Reinstein).

COLOMBIA: Radio Super Bogota 6065 long ltr. w/ stickers in 26 ds. for a SP rpt., ms. and 1 IRC. (Schmitz-FRG).

COSTA RICA: Radio Casino 5954 p/d ltr. w/ pennant in 77 ds. (Witherington-FL).

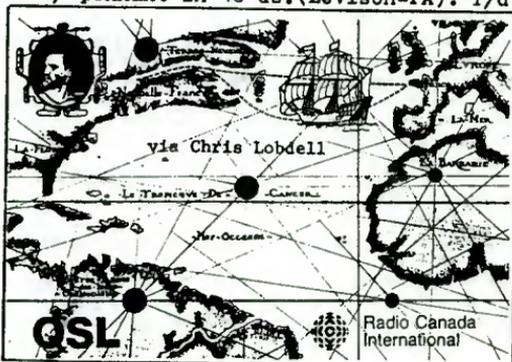


<input type="checkbox"/> Grande 800 W 881 k 7 1/2	<input type="checkbox"/> St. Vincent 600 W 708 k 1 1/2
<input type="checkbox"/> Caracas 58 W 1041 k 1 1/2	<input type="checkbox"/> Chatham Harbour 55 W 1033 k 1 1/2
<input type="checkbox"/> Trinidad 840 W 970 k 1 1/2	<input type="checkbox"/> St. Lucia 560 W 1170 k 1 1/2

MONTHLY FREQUENCY SCHEDULE							
To Eastern Caribbeans		To Jamaica		Special Broadcasts		To British Isles	
MHz	GMT	MHz	GMT	MHz	GMT	MHz	GMT
8.81	1845-1900	7.18	1845-1900			21.974	1845-1900W
8.818	1845-1915		1 45-1945			21.89	1815-1915W
8.82	1810-1915	7.11-87	1815-1915				

(S) = March-October; (W) = November-February. Power 2 Kw

WINDWARD ISLANDS BROADCASTING SERVICE
 Head Office -
 BROADCASTING HOUSE
 GRENADA
 TIME ZONE TRINIDAD
 Date - 16.11.64
 Time - 0747 GMT
 Frequency - 8.81

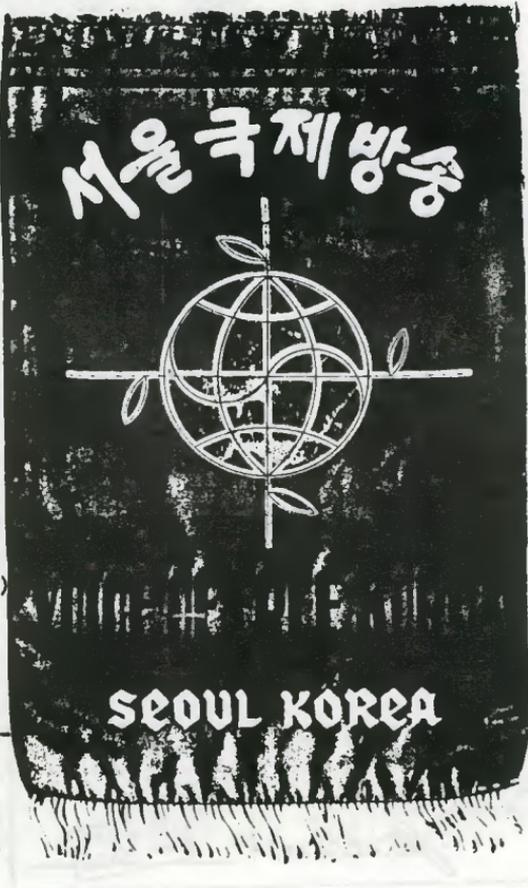




REPORT FORMS: We are now reoffering the foreign language report forms that we did a few months ago. The forms are in Indonesian, French, Spanish, Portuguese, Chinese, Dutch and Russian. A personal report is always better to use but we also have the above reports in a typed report form. Each of the above forms is geared for SWBC. However, we have reports for utility stations in French, Spanish, Portuguese and Dutch. The entire package of 11 different forms

with translations costs \$5.00. Individual languages are \$.50 each. Send your orders to your QSL Editor...Sam.

- HAWAII:** Radio 4VEH 4930 cd. in 171 ds. for 1 IRC. (Schmitz-FRG).
- HOLLAND:** Radio Nederland 9895 f/d cd. in 15 ds. (Sobkoviak-IL). f/d cd. in 51 ds. (Mayer-PA). 9590 and 6165 f/d cd. in 17 ds. (Goslow-MA)...Bonaire.
- HONDURAS:** HRVC 4820 n/d "Logo" cd. in 15 ds. for 3 IRCs. (Green-TN). p/d cd. in 16 ds. (Henschen-IN).
- HUNGARY:** Radio Budapest 11810 f/d cd. in 46 ds. (Goslow-MA). 9835 f/d "Logo" cd. in 28 ds. (Kacir-MI). 9835, 6025 and 9520 f/d cd. in 37 ds. (Levison).
- ICELAND:** ISBS 13797 f/d cd. in 53 ds. for 1 IRC. (Schmitz-FRG). f/d "Thingvellir" cd. in 251 ds. for 1 IRC. (Talbot-ALB).
- IRAN:** Radio Teheran 9022 f/d "War is Ugly" cd. in 234 ds. (Cones-VA).
- IRELAND:** Radio Dublin International 6910 f/d "Logo" cd. w/ sticker in 114 ds. v/s Anne Kelly. (Dillon-DC). p/d cd. in 2 mo. for 2 IRCs. (Moore-HOND). World Music Radio 6910 via RDI f/d cd. in 10 mo. for 3 IRCs. v/s Lee Alvin. (Talbot-ALB).
- ISRAEL:** IBA 15615 cd. in @ 1 mo. (Levison-PA). 11655 f/d "Shalom" cd. in 50 ds. (Kacir-MI). f/d cd. in 3 mo. (Hazeltine-WA).
- JAPAN:** Radio Japan 17825 n/d "Silk Dyeing" cd. in 2 wks. (Field-MI).
- JAVA:** Voice of Indonesia 11790 "Bromo Volcano" cd. in 20 mo. (Hazeltine-WA).
- KENYA:** Voice of Kenya 4934 n/d personal ltr. in 28 ds. v/s E.K. Tiampati. (Reinstein).
- KOREA, REPUBLIC OF:** Radio Korea 15575 f/d cd. w/ pennant in 40 ds. (Henschen-IN).
- LATVIAN SSR:** Radio Riga 5935 f/d "Art" cd. in 134 ds. for 1 IRC. (Cones-VA).
- LESOTHO:** LNBS 4800 f/d "Logo" cd. in 72 ds. for 1 IRC. (Schmitz-FRG).
- LITHUANIAN SSR:** Radio Vilnius 9685 f/d folder cd. in 53 ds (Levison-PA).
- LUXEMBOURG:** Radio Luxembourg 6090 p/d cd. in 19 ds. (Henschen-IN).
- MALAGASY REP:** Radio Nederland 11740 f/d "Inn" cd. w/ pennant in 66 ds. (Talbot-ALB).
- MALAYSIA:** Voice of Malaysia 15295 f/d cd. in 162 ds. for 2 IRCs. (Cones-VA).
- MONGOLIA:** Radio Ulan Bator 15305 cd. in 2 mo. (Hazeltine)
- MOZAMBIQUE:** Radio Mozambique * 11820 f/d "Map/Logo" cd. in 335 ds. for a PF rpt. and 2 IRCs. (Cones-VA).
- NEW ZEALAND:** Radio New Zealand 9520 f/d cd. w/ pennant in 17 ds. for 4 IRCs. (Witherington-FL).



RADIO GAZETA DE ALAGOAS



ORGANIZAÇAO ARNON DE MELLO



ABBREVIATIONS: Abbreviations used in this column include the following: n/d (no data QSL), p/d (partial data QSL), f/d (full data QSL), SP (Spanish), FR (French), EG (English), PT (Portuguese), ms (mint stamps), v/s (verification signer), cd. (QSL card), ltr. (letter), ds. (days), mo. (months), w/ (with), rpt. (report). Hope this helps... Sam.

NORWAY: Radio Norway International 15205 f/d "Agder" cd. w/ sticker in 51 ds. v/s S.K. Dahl. (Goslow-MA). 15180 f/d "Romsdal" cd. w/ sticker in 18 ds. for 2 IRCs v/s Euring Thakle. (Caravan-PA).

OMAN: BBC 11955 n/d cd. in 50 ds. (Cones-VA).

PAFUA NEW GUINEA: Radio West Sepik 3205 f/d "Map" cd. in 6 wks. (Field-MI).

PERU: Radio Ancash 4990 f/d prepared cd. w/ ltr. in 64 ds. for a SP rpt. and ms. v/s Armando Moreno Romero, Gerente General. (Reinstein-FL). personal ltr. in 7 wks. for a SP rpt. (Valco-PA). Radio Atlantida 4790 ltr. w/ postcards in 23 ds. for a SP rpt., 1 IRC and ms. v/s Ivan Tenorio Matute, Administrador. (Schmitz-FRG). Radio del Pacifico 9675 f/d ltr. in 1 mo. for a SP rpt. v/s Petronio * Allauca. (Moore-HOND). Radio Chinchaycocha 4860 f/d ltr. in 55 ds. for a SP rpt. and ms. v/s Julio O. Baldeon M., Administrador. (Wilkins-CO). ltr. in 75 ds. for a SP rpt. and 1 IRC. (Schmitz-FRG).

POLAND: Radio Polonia 7145 f/d cd. in 50 ds. w/ schedule. (Witherington-FL).

PORTUGAL: Radio Portugal 11925 f/d cd. in 25 ds. (Goslow-MA). f/d "Bird Catcher" cd. in 19 ds. for 2 IRCs. (Witherington-FL). 6060 f/d "Lisbon Zoo" cd. in 30 ds. (Cones-VA).

ROMANIA: Radio Bucharest 11940 f/d "Prince Dragos" cd. in 115 ds. (Witherington-FL). 9510 cd. in 2 mo. (Wertheimer-MN). 15250 cd. in 118 ds. (Dillon).

SAIPAN: KYOI 11900 f/d cd. in 436 ds. (Talbot-ALB).

SEYCHELLES: FEBA 11800 f/d "Map" cd. in 118 ds. for 3 IRCs. (Green-TN).

SOLOMON ISLANDS: SIBC 9545 f/d "Logo" cd. in 18 ds. for 2 IRCs. (Witherington-FL).

SOUTH AFRICA: Radio RMA 9615 f/d cd. in 14 ds. (Levison-PA). "Bloubergstrand" cd. in 45 ds. (Dye-AR).

SPAIN: Radio Exterior de Espana 9630 f/d cd. in 43 ds. (Levison-PA). f/d "Castillo de Valencia" cd. in 42 ds. (Goslow-MA).

SWEDEN: Radio Sweden International 15270 f/d "EDXC" cd. in 10 ds. (Kacir-MI). 9695 cd. in 11 ds. (Levison-PA). 15190 cd. in 23 ds. (Goslow-MA).

SWITZERLAND: Swiss Radio International 11765 f/d cd. in 29 ds. (Goslow). 9725 cd. in 2 mo. (Hazeltine-WA). (Cones-VA).

TANZANIA: Radio Tanzania 5050 f/d "Map/Logo" cd. in 15 ds. for 2 IRCs.

TURKEY: Voice of Turkey 11755 f/d cd. w/ pennant in 24 ds. for 2 IRCs. (Witherington-FL). f/d "Santa Claus" cd. in 31 ds. for 2 IRCs. (Kacir-MI).

TURKMEN SSR: Radio Moscow 11930 via Ashkhabad f/d "Razin Street" cd. in 37 ds. (Cones).

UKRAINIAN SSR: Radio Kiev 9800 f/d cd. in 37 ds. (Dillon). 11720 f/d cd. in 73 ds. (Gurley-TX).



HCJB



ECUADOR, OUR HOME FOR 35 YEARS. 1931-1966

MONITORING TIMES: Grove Enterprises, Inc., 140 Dog Branch Road, Brasstown, N.C. 28902 publishes an excellent newspaper style magazine for radio listeners entitled "Monitoring Times". Each month articles on SWBC, utility, clandestine, pirates, RTTY and other information appear. Write to Bob Grove of Grove Enterprises for further information...Sam.



평양방송
RadioPyongyang

via
Human Desk

UNITED ARAB EMIRATES: Dubai Radio and Colour Television 15300 f/d cd. in 21 ds. v/s K.Fenner. (Dillon-DC). same in 26 ds. w/ pennant. (Cones-VA). f/d cd. in 1 mo. (Levison-PA). 11955 and 15300 f/d "Map" cd. in 25 ds. (Goslow-MA).

UPPER VOLTA: Radiodiffusion TV Voltaïque 4815 f/d ltr. in 4 mo. for a FR rpt. and ms. (Lare-MI). same in 123 ds for a FR rpt. and 1 IRC. (Schmitz-FRG).

USA: KGEI 15280 f/d cd. in 45 ds. v/s Jesus C. Elizondo. (Dillon-DC). 9615 cd. in 40 ds. for ms. (Witherington-FL). WRNO 15420 cd. in 55 ds. (Wilkins-CO). VOA 15375 via Delano f/d "Lighthouse" cd. in 11 ds. (Witherington-FL). Radio Earth 6185 via WRNO f/d "Globe" cd. in 7 ds. for ms. v/s H.J. Bautista (Wilkins-CO). f/d cd. in 18 ds. v/s Jeff White

USA (Pirate): Radio Idiot 7405 (Richards). f/d cd. in 37 ds. for ms. (Talbot-ALB). Voice of Laryngitis 7410 f/d cd. in 14 ds. (Field-MI).

* Radio Heartland 7427 via KQRP f/d cd. in 16 ds. for ms. v/s Chris Allen, Chief Engineer. Addr: Box 6024, Chicago, IL. 60680. (Wilkins-CO).

USSR: Radio Moscow 15385 f/d cd. in 28 ds. (Richards-CT). 9685 cd. in 25 ds. (Levison-PA).

VATICAN: Radio Vatican 6015, 11845 and 9605 f/d cd. w/ sticker in 15 ds. v/s Veronica Scarisbrick, Secretary

VENEZUELA: Radio Juventud 4900 f/d (Goslow-MA). "Studio" cd. in 54 ds. for a SP rpt. and ms. v/s Mor-

ela Pernalet M. (Dillon-DC). f/d cd. in 62 ds. for a SP rpt. and ms. (Witherington-FL). YVTO 6100 f/d cd. w/ ltr. in 238 ds. for a SP rpt. and 1 IRC. v/s Cn. Simon Salas Salas, Director. (Schmitz-FRG). same in 94 ds. for a SP rpt. and 3 IRCs. (Hastie-TX). Radio Mundial Tricolor 4825 f/d cd.

in 2 wks. for a SP rpt. v/s Carlos Argenis Luzo, Director. This was for a 1976 reception. (Field-MI). Radio Nacional 9550 cd. w/ ltr. in 51 ds. for a SP rpt. v/s Luis Fernandez and Fabricio Ojeda Diaz. (Barto-CT).

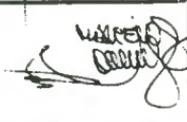
WEST IRIAN: RRI Manokwari 3986 f/d ltr. in 7 wks. via registered

* mail for 2 IRCs. (Moore-HOND).

YUGOSLAVIA: Radio Yugoslavia 9620 f/d cd. in 49 ds. for 1 IRC. (Paszkievicz-WI).

ZAIRE: Radio Candip 5066 f/d * cd. in 15 wks. for a FR rpt. (Valko-PA).

I guess this ends another QSL column. Best of DX and QSLing till next time....Sam

Q. S. L.	
CONFIRMACION REPORTE DE SINTONIA	
RADIODIFUSORA	: BAHAI
FRECUENCIAS	: 1420 kHz MW 4990 kHz SW BANDA DE 60 MTS.
ORIGEN DE LA SEÑAL	: Otavalo, Provincia de Imbabura República del Ecuador, Sud América
POTENCIA EN ANTENAS:	: 1000 vatios
 GERENTE	via Mark Konen SELLO OFICIAL

update

November 1984***Number 172

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

UPCOMING DEADLINES: 10 November (Mid-November) 20 November (December) 10 December (Mid-Dec)

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

ARGENTINA R. Riyadavia, 4588.0 USB, in SP 2342-48; very good. Replacing 9115 per Codina, w/ LAM mx review. (Terry Krueger, FL 10-13)

AUSTRALIA ABC Brisbane, 4920, in EG 0910-20; fair. End of newscast followed by sports. ID as "ABC News." Commentary on US Presidential elections 0915. (Richard D'Angelo, PA 10-14)

BOLIVIA Rdifusora Cristal, 5005.4, in SP 0135-0202*; good. Nonstop EzL instrumental mx till 1049, when ID by M: "Desde La Paz, Rdifusora Cristal..." Then more mx, s/off anncmt 0159, possible NA and off. Trx D. Potter phone tip. (Krueger, FL 10-5) +++ R. Illimani, 6025, in SP 1017; long talk by M, then trio w/ slow guitar. Song with a full station ID over the song. TC following song and then canned ID. (Hans Johnson, TX 10-6) +++ R. Panamericana, 6105.8, in SP 1030-42; good clear signal. Several IDs, instrumentals and vocals. In nearly every morning. (Sam Barto, CT 10-10)

BOTSWANA RB, 7255, in EG Q353-0410, also in lang but great signal throughout. Beautiful IS and several IDs, freqs and religious mx. (Barto, CT 10-12)

CAMEROON Bafoussam, 4000, in FR/EG 0528-46; good. FR talk, ID, into EG religious prgm, prayer sermon, choir singing all in EG. (D'Angelo, PA 10-7) +++ Garoua, 5010, in FR 0131-58. Anthem followed by W w/ ID and frequency anncmts. M w/ chants till 0445 followed by another M w/ talk and highlifemx. (D'Angelo, PA 10-14) ***Sure about the time? 0430 s/on possibly? tba

CHINA (REP) BCC, 6087, in lang 1040. W doing vocal tunes, M anncr, band mx, time pips and ID on hour. (Johnson, TX 10-6)

COSTA RICA Faro del Caribe, 6175, in lang 1123-28; mx prgm w/ stn ID by M 1128. (Johnson, TX 10-6)

COLOMBIA R. Super, 4876.9, in SP 0330-41; vocal selections and several IDs. Also noted the next morning on exactly the same freq. (Barto, CT 10-10)

ECUADOR Sistema de Emisora Atalaya, 4792.0, in SP 0335-41; very good. Mixed bag of mx, LAM pops and rancheras, sponsored by Banco de Guayaquil, w/ many IDs by M DJ. (Krueger, FL 10-4) +++ R. Tarqui, 4977.6, in SP 1040-1100 very strong. Guitar and flute selections, vocals and a short anncmt between each selection. s9 + 20 db. (Barto, CT 10-10) +++ R. Jesus del Gran Poder, 5049.9, in SP 0224-51*; excellent on rare evening b'cast w/ beautiful locally -influenced gospel vocals in SP. IDs by M, vocal NA. (Krueger, FL 10-4) ***Huge signal here during local mornings. tba

EQ. GUINEA R. Nacional, 6250, in SP *0507-21. Fair. Long, long anthem followed by s/on ID as "Radio Nacional" by M into lively SP vocals. Another ID 0514. Still there 0540 recheck. (D'Angelo, PA 10-7)

GUATEMALA R. Cultural, 3300, in SP 0024-38; good. Talk by M till ID, religious choir mx followed by W introducing prgm, more choral songs, M preaching. Fairly strong and clean signal but some noise. (D'Angelo, PA 10-6)

GUINEA LV de la Revolution, 15310, in EG 1826-55; fair. M w/ nx replete w/ many mentions of Guinea. In clear though poor to fair only until RFI returned to 15315 at 1830. Then bad QRM splatter. Some rock mx followed by more nx features. Lost 1855. (D'Angelo, PA 10-14)

INDONESIA RRI Biak, 5451, in IN 1100-13 w/ M anncr, and ID at 1100. Very weak. (Barto, CT 10-11)

LIBERIA ELBC, 3255, in EG 2315-0002*. Continuous EzL mx till M anncr w/ closing anncmt and ID as "Liberian B'casting System," followed by anthem. Fair. (D'Angelo, PA 10-5)

NEPAL R Nepal, 5005, *0018-0040 good on gray line opening w/ carrier, IS briefly at 0025 and into instrumental mx, and lang. W w/ definite mentaion of "Nepal" then more instrumental mx, M anncr 0029 and into subcontinental mx. Good through t/out though some het from Bolivian. (Krueger, FL 10-7)

NIGERIA VoNigeria, Ikorodu, in EG 7255; good. News, commentary 0540 about political independence of African countries. ID: "This commentary came to you from the World Service of Radio Nigeria." TC for 5:45 followed by NX about Nigeria. (D'Angelo, PA 10-6)

PNG NBC Port Moresby, 4890, in EG 0845-0910. Fair. Religious program until 0856 weather report. ID as "You are listening to the NBC." Time pips at 0900 and into nx. (D'Angelo, PA 10-14)

NASWA UPDATE/November 1984-----2

PERU R. Bagua, 3309.8, in SP 1017-59 w/ typical Peruvian prgming. Several IDs heard this time. Listed this as an UnID about a month ago. Surprisingly clear signal. (Barto, CT 10-11)***Needs more details. A rare one and the details would be of interest to all. tba***

Radio Tarma, 4774.9, in SP 1012-36; several IDs, anncmts and many vocal selections. (Barto, CT 10-12)+++ R. del Pacifico, 4975.0, in SP 0406-30 very good and in the clear. Classical violin solo, 0409; "Escucha R. del Pacifico, ahora presentado...San Miguel." Into Christian readings. (Krueger, FL 10-4)+++R. La Voz de Tawantinsuyo, San Marcos, 5145.3, in SP 0222-0304* tentatively the one noted very poor 10-1 and later w/ alternating SP ballads and M, orchestral mx 0303 (but too weak to tell if NA). Being reported by JCC here. (Krueger, FL 10-1) +++R. Oriente, 6188.4, in SP 1031-41. ID, M vocal selection and a ballad. (Barto, CT 10-6)+++ R. Santa Cruz, 6861.2v, in SP 0244-0443* first noted 10-12 w/ nice local vocals, M often w/ many IDs, often anncng "la musica preferencia." S/off mentioned "Desde Santa Cruz...R. Santa Cruz, Departamento Cajamarca...Republica del Peru." Into 25 seconds of orchestral NA. Noted 10-13 on 6858.3 at 2348. This is a new one supposedly not affiliated w/ the one that was/is on 5340 per JCCodina. (Krueger, FL) +++ R. Continente, 8919.1, in SP 2354-0104 reactivated after a few weeks off now 20 kHz up and stronger than before. M: "Desde Juanjui, en el Departamento San Martin, R. Continente." Into Kool & the Gang then Lam pops. (Krueger, FL 10-11)

SICILY Radiodue, Caltanissetta, 7175, in IT 0514-0546; poor. Vocals and soft instrumentals w/ occasional talk by OM. At 0530 5 pips, pause then sixth pip then ID by W as "Radio due" followed by nx to 0536. Resumed EzL format. (D'Angelo, PA 10-6,7)

SOUTHWEST AFRICA RSWA, 3295, in EG/AK 0357-0413. ID: "You are listening to the All Night Service of Radio Southwest Africa." This by M then W w/ AK ID into apparent nx. EzL instrumentals later. (D'Angelo, PA 10-6)

USA WYFR carrying VoFC, 6065, in at 0115 w/ commentary on Chinese takeover of Hong Kong. // 5985. (Johnson, TX 10-6)

VENEZUELA Radio Turismo, 6180, in SP 1044; SP renditions of current pop hits. M&W anncr team w/ booming IDs. (Johnson, TX 10-6)

In the feature spot, our regular reporter Dr. Richard Wood checks in with more Hawaiian DX:

ALBANIA Home service noted louder on 5057 and weaker on 5020 around 0400-0500. Is it known whether 5057 is located in Gjirokaster and 5020 in Tirana? (10-10)***I don't but assume it's so; always thought that 5057 had long pre-existed the other and therefore . . . tba

BOTSWANA RB booming in in Setswana w/ US pops 0450 on 7255. Well atop VoN IS (10-10)

COOK IS. Raratonga, 11759.9, in Cook Is. Maori 0520 with het. (10-9)

COLOMBIA R. Super, 4877 at 0420 w/ Caracol nx and references to Depto. de Antioquia (capital is Medellin). 0427 promo "Somos Caracol." Then world nx. (10-10)

EQ. GUINEA Bata, 4925, in SP 0510 w/ evocation of "todo los pueblos de Africa." African chants. (10-9)

MOZAMBIQUE RM PT nx 0500 on 9617.5. (10-10)

OMAN RO, 11890, in AR w/ feature, mx, ID: "Huna Idhaat ul Omaniya min Musqat." (Transliteration in WRTH is poor.) 0322 (10-10)

PAKISTAN RPakistan, 11743, in Urdu 0315. Nx and abruptly into 1000 Hz tone test 0320, IS 0325 and into Azan (call to prayer) 0330. Beware as Bangladesh has been reported here in the past. (10-10)

PNG R. North Solomons, 3322.5, in PD w/ old US rock 0715. (10-9)

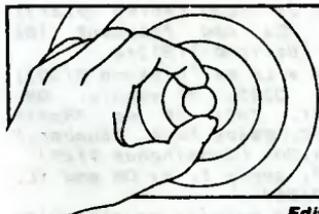
SOUTH AFRICA SABC EG Ser. on new seasonal 3957 mostly // 4835 w/ nx at 0400 and 0500. (10-9)

SWAZILAND TWR 3240 in Shangaan or similar at 0345*. Requested reports to TWR, Box 64, Manzini, Swaziland. One IS at s/off.

VENEZUELA YVRU, "RU," Caracas, 2520 (2d harmonic of 1260) loud and clear 0345-0400* w/ recent and current US hits, mostly soft rock like "Turn around, every now and then..." ID 0348: "RU, la emisora que cubre a Caracas." 0357a s/off as follows: "RU, la emisora YVRU termina sus labores del dia de hoy en la frecuencia de 1260 kHz (the last vowel pronounced with an American accent, unnecessary since this is an SP word of GM origin.) En nombre de sus locutores...de radio y television del Distrito Federal, vos (note formal pronoun) invitamos para las 6 de la mañana a amanecer con RU." Vocal version of "Gloria al Brava Pueblo" 0358 and 0400*. Best catch so far from here. (10-10)***Beautiful. tba

More next time. See you then and don't forget to send reports.

73, *BR*



LOG REPORT

section A

2000 to 4899 kHz

Editor: Mike Nikolich, 2137 West Farwell Ave., Chicago, IL 60645

- 2370 UNID; 0938, SP, OM w/reig tx through entire broadcast, tuned out at 1020, no ID hrd (Bolland 9/6)
- 2380 FALKLAND ISLANDS, FIBS; 0936, threshold signal this AM w/slight carrier hrd, some music noted (Bolland 9/21) **Shouldn't you label this "tent" then, OM???
- 2390 MEXICO, R. Huayacocotla; 0030, SP, YL w/mx, some vocals, some brass, best signal I've hrd here (Dickson 9/28)
- 3015 N. KOREA, R. Pyongyang; presumed w/KR tx by YL, weak signal was battling the noise to get thru...mx also hrd (Bolland 9/4)
- 3200 LIBYA, SPLAJBC; 0111-0130*, AR OM w/nx until 0113, then commentary, mx at 0118 (Bolland 9/29); 0227, AR, lcl mx (Sica 9/24); 0030, AR mx, YL at 0045 (Dillon 9/24); 0250, AR, OM w/drowsily delivered tx, 2 minutes of silence at 0256, then screechy-voiced OM vocals (Jordan 9/30); 0315 (Brouillette)
- 3200 SWAZILAND, TWR; 0337, sermon in Zulu or similar Bantu (Wood 10/3)
- 3205 PAPUA/NEW GUINEA, R. W. Sepik; presumed w/EG OM tx, mx and comments noted between bursts of QRM (Bolland 9/3)
- 3222 TOGO, R. Kara; 2255, fairly good signal w/FR pop mx, 2300, ID, "Vous ecoute Kara." FR anmts, sked and freqs, "Hymne Togolaise" at 2305 (Reinstein 10/3)
- 3225 BRAZIL, R. Liberal;
- 3230 LIBERIA, ELWA; *0608, EG/ IS, opening amts at 0613 w/ID, lcl Afro mx (Alexander 9/29)
- 3255 LIBERIA, ELBC; 2326-2400*, Oral Roberts show, IDs between programs, "You're listening to ELBC, the radio svc. of the Liberian B.S. with studios in Monrovia..." (Gavaras 9/15)+3
- 3270 UNID, R. Popular???; 1025-1030, mostly tx by some LA mx, canned ID at 1026 by OM in reverb as "R. Popular", but perhaps just a slogan...mention of "Banco de Amazonas", possible mention of Bolivia, too (Valko 9/27)
- 3285 BELIZE: Nice letter from Michael Gundy, an engineer at RB, in response to my recent query. He said that actually RB was only off the air about two months in the first quarter of this year to erect an antenna and service their xmtr. Says that ever since then the xmtr has operated perfectly, except for a power cut or two. Goes on to note that they are 1 kW with a sloping dipole. Says that reception reports tend to arrive in bursts, the most recent bunch being concentrated around the 1st to 5th of August. That would coincide perfectly with recent logs of them, but does not explain the two months to me. Gundy also says that the old 834 MW freq. was frequently hrd in US, but since they changed to 830 kHz, reports have virtually ceased. Gundy goes on to say that he would like to know when people first realized that Belize was gone, what equipment they use, when they listen, and what kind of antenna they use. Seems like a nice guy (Moritz); 0353, EG, end of short story px entitled "Cultural Voyage," reggae and promos for Sept 21 Independence Day (Pappas 9/8)+4
- 3300 GUATEMALA, TGNA/R. Cultural; noted again w/SP tx, then EG religion, IDs and freqs given as 730, 3300 and 5955, then back to "Back to the Bible" (Cunningham 9/22); 0348, as I suspected, they're back w/EG religion (Moritz 10/9)+5
- 3305 PAPUA/NEW GUINEA, R. West; 1016, signal booming in, comparatively speaking, w/C&W mx (Bolland 9/3)
- 3310t BOLIVIA, R. San Miguel; SP, 0250, upbeat LA mx, tx by OM using reverb, mention of kHz (Valko 9/19); 0145, very rustic CP mx and ID, "R. San Miguel, la voz de Beni...actividades y necesidades de los...de Riberalta." UTE QRM (Reinstein 10/5)
- 3310 PERU, R. Bagua; 1012, SP, OM w/repititious mx, TC, many IDs (Bobb 9/22); 1025, strong w/OA mx, ID mid-song (Perdue 9/22);

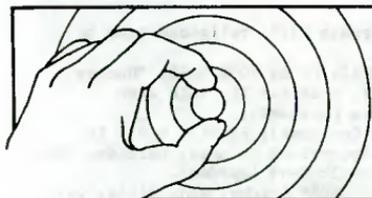
- 1029, mx px, several IDs (Field 9/21); 1030 (Valko 9/27); 1039 very nice Andean folk mx, TCs and frequent IDs (Cunningham 9/25); 1021-30, many IDs (Bolland 9/21)+2
- 3315 ECUADOR, R. Pastaza; 0030, SP, OM w/LA mx (Dickson 9/30); ballad, ID at 0313 (D'Angelo 9/12); 0355, HC vocals, OM, s/off at 0405 (Forsgren 9/23); 0401, full ID as "Radio Pastaza, HCRP7, frecuencia...Pastaza, desde Puyo, Ecuador," then long rendition of HC NA and 0404:30* (Cunningham 9/29)
- 3320 N. KOREA, Pyongyang B.S.; 1505, KR, angry tx by OM and YL, patriotic songs, //6250, 6400 (Park 9/26)
- 3325 BRAZIL, R. Liberal; 0645, PT, RTTY QRM ruining an otherwise decent signal, OM DJ w/Brazopops, ID at 0649, reception best after 0705, when UTE left (Pappas 9/28); 0430, strong, but much QRM'd signal, PT ballads, EZL stuff, romantic mx, etc., mention of "Liberal" at 0452 (Moritz 10/9)
- 3338nf MOZAMBIQUE, R. Mocambique; 0330, PT, ID, "R. Mocambique," TC for 6 horas 30 minutos, patriotic chants and responses in Afro style, all in PT, list-loggers beware--this isn't Zanzibar on 3339! (Wood 10/3) **Mozambique has used this frequency for years, why do you list it as new??? mln.
- 3360 GUATEMALA, La Voz de Nahuala; 0145, SP, mixed bag of lcl mx w/plenty of IDs (Forsgren 9/23); 1110, ID by OM, mostly folk-type LA mx (Prath 9/23); 1110, OM w/many IDs, marimba mx (Bobb 9/18); 0259-0309, s/off w/o warning (Valko 9/21)+1
- 3366 GHANA, GBC; 0605, EG, nx by YL, inspirational mx px, OM host w/ID, //4915 was in poorly tonite (Cobb 9/30); 0535, OM in EG at t/in w/Afro-"reggae-flavored" mx (Moritz 9/22)
- 3370 MOZAMBIQUE, Emissor Regional Maputo e Gaza; 0325, PT, mentions of Beira, lively mx (Wood 10/3)
- 3375 BRAZIL, R. Nal. Sao Gabriel; 0215, PT, EZL LA mx, OM and YL, ID at 0247 (Dickson 9/21); 1012, PT anmts, OM and YL, several IDs, lcl Brazilian mx (Alexander 10/7); 0920, OM w/tx and mx, ID at 0930 (Bobb 9/26)
- 3380 GUATEMALA, R. Chortis; 1120, SP, OM w/tx and simple mx, ID at 1130 (Bobb 9/29); 0215, marimba mx, seems like these 90m stns come in strongest when the QRM is also strong..(Dickson 9/17)
- 3400 CHINA, PLA/Fujian; 1049, lcl mx by YL (Sica 10/1); UNID at 1114 w/opera and OM YL tx (Bolland 10/7)
- 3475 USA PIRATE, WSWL/Purple Pumpkin Radio; 0540, EG w/OM, several IDs for "WSWL--Purple Pumpkin Radio, Free State USA. Remember, nothing but the sky covers Eastern America like Purple Pumpkin Radio..." Ads for a 1965 Buick and other bits, s/off at 0544, very strong (Cobb 9/30)
- 3540 PERU, LV de Selva/Trujillo; SP, 1004, hrd during minor geo-storm playing "Jack and Dianne" by John Cougar, YL and OM tx w/TC and ID as, "A la 10 minutos, La Voz de Selva (or similar sounding...) then mention of Trujillo...good lvl briefly, but poor. JCC where are you? (Valko 9/27)
- 3905 INDIA, AIR; tent. here in Indian lang w/presumed local nx at 1812, no ID was given... (Nathanson 9/5)
- 3930v CAPE VERDE IS., R. Voz de Sao Vicente; 2242-2359, xltm signal w/pop tunes, many PT IDs, NA at 2357 followed by 4 chimes and pulled plug (Reinstein 10/5) **Tough here in Chi-town, OM, 2317, PT, mx, nx and ID, NA at s/off (Hawk 9/6); 2326-0000*, PT, ID and nx at 2330 followed by nice PT ballads (D'Angelo 9/9); 2310, several guitar and piano insts, ID by OM (Cobb 9/30); tent. w/"All Nite Long" by Lionel Richie (Daly 10/6)
- 3930 TRANSKEI, Capital Radio; 0315, EG, OM w/TCs and pop records, one mention of time, "Here at Capital" for an ID (Cobb 10/1); 0320, EG world sports, boxing (Wood 10/3); 0405, Chicago and Billy Squire mx, DJ chatter & ID (Tutak 9/5)
- 3945 VANUATU, RV; 0942-1016*, FR and lcl lingo, pop mx w/some U.S. selections, at 1000 tent IS, nx at 1005 (Bolland 10/8)
- 3965 USSR, R. Afghan.; 1615, Dari, nx by OM/YL (Wood 10/1)
- 3965 FRANCE, RFI; 0506, FR, OM & YL w/FR rock tunes, no positive ID hrd, but I recognized the RFI organ jingle (Cobb 9/30)
- 3985 S. KOREA, Echo of Hope; 1620, KR ID, traditional melodies, good signal (Wood 10/1)
- 3986.5 INDONESIA, RRI/Manokwori; 1129, YL w/IN tx, mx, this is //to 6133.4 khz, which is usually clearer (Bolland 9/26); 1345, IN/EG w/EG pop mx (Zilmer 9/23)**Bob listed his log as Dili.

- 4000 CAMEROON, R. Bafoussam; tent at 0516 w/poor signal, OM in vern. tx, some Afro tunes (Moritz 9/22); 2230, FR, OM w/jazz and pop piano mx, ID (Bobb 10/3); 2225 (Sica 9/29)
- 4020 CHINA, Beijing; 1207, KR, angry tx by OM and YL, //4620 and 5975 (Park 9/30)
- 4119m N. KOREA, V. Party for Reunification; 1354, KR/EG, OM and YL w/tx, lcl mx, OM w/ID and sked, NA, 6-note organ IS and EG IDs, "From Seoul, S. Korea..." sked and low tx by YL on flood aid, //4557 (Park 10/2)
- 4458 BOLIVIA, LV del Tropicovilla Tumari; sent two page no data personal letter from v/s Oskar Ustariz Arandia, director. Address is Av. de la Integración 50 Villa Tumari, Cochabamba (Olle Alm in Sept. DXA via John Moritz) ** Thanks, John...
- 4485 USSR, Petropavlovsk-Kamchatskiy listed; 1430-1500, RS, Mayak mx, nx and more mx w/IDs for Yerevan (Sharpe 10/2)
- 4500 CHINA, Xinjiang PPBS/Urumqi; 1122, CH tx, even lvi w/VNG, 1130, ID by OM "Xinjiang renmin..." (Reinstein 9/29)
- 4670 VIETNAM: Binh Tri Thien, 1315 but very weak; Gia Lai-Kon Tum now 4701 *1030; Nghia Binh new 5092 *1145-1230 (Tu/Th), 1300* (M/W/F), 1315* (Sun); Hang Lien Son 5603 and 6680 1300* also around 1010; Lai Chau now 6587, 1330*; Bac Thai 6836, 1325*; Son La 6332 (back from 6323 used til mid-July) //4713; Cao Bang 6523, 1400*; VOV H.S. still hrd 6452, 7422, 10059 (Ugusa in DXFL via Sept DXA via Moritz...)
- 4697 BOLIVIA, R. Riberaita; better than usual at 2306 w/great ballad and romantic numbers, ID at 2326 w/Chopin in background, into "Indicacion Necrologica" (obits)(Berg 9/23)
- 4735 CHINA, Xinjiang PPBS, Urumqi; 1150, fair level w/Uighur px, much stronger on //5800 (Reinstein 9/29)
- 4739.6 BOLIVIA, R. Mamore; SP, 2332, disco mx px hosted by high-pitched YL, ID at 0003, been chasing this one for years (Valko 9/24) **Congrats, OM! 2354, folklorica selection, then ballad and romantic vocals, promos 0002 (Berg 9/23)
- 4754 MALDIVES: My usual six month letter looking for current info from Voice of the Maldives brought back a real perplexing reply this time. Accordin to Badrul Naseer, the Sr. Program Coordinator at VoM, "Regarding your letter, I am sorry to tell you that we've stopped shortwave broadcasting w/effect from 9th Dec., 1982." Obviously it depends upon whose desk your letter hits to get some accurate information. Late last year I was told by the sation that they would come back on the old freq., and correct me if I am wrong, but weren't they logged earlier this year by Victor G??? (Moritz)
- 4755 PERU, R. Huanta Dos Mil; 1035, rustic OA mx, TC and ID by YL at 1042 (Perdue 9/9)
- 4760 LIBERIA, ELWA; 2230, EG, relig. tx/mx til 2243, then ID, address, TC, s/off 2300 (Daly 9/9); 2150, EG, plug for Chicago's Pacific Garden Mission (Alcorn 9/29); *0553, EG, IS, opening amnts at 0600, s/on in EG (Alexander 9/29); 2255-2302*, ID "You are listening to ELWA..." (Bolland 9/20)
- 4760 SWAZILAND, TWR; *0300-0345*, ID in EG at s/on, then vernacular and hymns (Pickard 9/21)
- 4762.3 PERU, R. Inca; 1020, SP, OA mx, ads, ID at 1024, TCs (Alexander 9/29); 0931, OM tx & mx (Bolland 9/13)
- 4770 NIGERIA, RN/Kaduna; 2135, EG, pop mx til 2145, then ID and px on Nigerian medical facilities (Daly 9/9)
- 4777 GABON, RTVG/Libreville; 2247, FR w/"Sat. Night Fever" mx, much QRN tonite (Daly 9/9)
- 4775 BOLIVIA, R. Tropicovilla; tent at 0220 in SP w/LA mx, lively pops, possible mention of Tropicovilla in ID at 0228 (Dickson)
- 4775 PERU, R. Tarma; 0410, sports px, mx px and ID at 0430 (Field)
- 4780 VENEZUELA, LV de Carabobo; 0240, SP, lively LA pop mx, OM w/vocals and brass, several IDs (Jordan 9/14)
- 4783 MALI, R. Mali; *0558, FR, NA at 0558, ID by OM, tribal mx, ID and tx (Swaringen 9/3); tent at 0620 w/OM tx in lang, no IDs hrd, but mcuh lcl mx, tx on Mali (Jordan 9/22)
- 4785t BRAZIL, R. Ribamar; 1015, mx px, poor reception (Field 9/27)
- 4790 PERU, R. Atlantida; 0200, SP, political tx by OM (Dickson 9/8); 0305, excellent sig w/EZL mx, slogan used in IDs, several TCs (Valko 9/27)

- 4795 CAMEROON, R. Douala; 2217, FR, OM DJ w/vocals in FR and IDs at 2226 & 2233 (Enkenhus 9/8); 2245, FR, OM w/ varied mx and tx, IDs and NA (Bobb 9/18); 2105, EG nx w/focus on Cameroon, ID as, "...National Svc of RC" nx until 2118 (Alcorn 10/8)+1
- 4795 ECUADOR, LV de los Caras; 0212, SP, tango mx w/occasional piano and orchestral pieces, IDs at QTH at 0220 and every 4-6 minutes thereafter...(Jordan 9/14); 0310, mx (Dickson 8/26)
- 4796.5 BOLIVIA, R. Nueva America; 0957, Indian/SP, s/on w/weak anmts by OM in Indian lang, then pretty flute-like mx (Cunningham 9/28); 0235, SP, EZL mx (Bobb 9/20); 1003, Bolivian vocal mx, tx by OM and YL, jingles and ID by YL at 1013(Alexander 9/8)
- 4810 PERU, R. San Martin; 1034, SP, notice of lcl meeting and Andean-style mx (McCoy 10/5); 1018, ads and Peruvian mx, ID for "R. San Martin" at 1028 (Bolland 9/12)
- 4815 BOURKINA FASSO, RTV Voltaique; 0625, FR, mx, tx, no positive ID (Swaringen 9/3) **Formerly Upper Volta...
- 4817 MAURITANIA, RM; 2220, AR, noted off normal freq (4845) tonite w/chanting, back on 4845 on 9/23 (Daly 9/22)
- 4825 ECUADOR, R. Paz y Bien; 0904, s/on w/NA, OM tx and then a little mx (Field 9/25)
- 4825 PERU, LV de la Selva; 0952, NA and s/on w/mx (Field 9/18); 0957, tx by OM, ID by YL, OA flute mx (Alexander 9/8)
- 4830 VENEZUELA, R. Tachira; 0810, LA mx, freq. mentions of "R. Nacional y Popular," ID as "R. Tachira, San Cristobal" (McKellar 9/4); 0225, EZL mx, some Reloj slop (Dickson 9/15); 0215, LA mx, OM ID (Hunt 9/29); 0311-0327 (Jordan 9/30)
- 4840 CHINA, Fujien FS-2; 1058, over R. Valera w/CH tx, time pips at 1100 into CH orch. mx (Reinstein 9/27)
- 4845 COLOMBIA, R. Bucaramanga; 0245, SP, sporting event (Peru vs Venezuela), strong signal (Dickson 9/15)
- 4845 MAURITANIA, RM; 0635, Mauritanian guitar and singing, 0700, ID in FR, nx (Swaringen 9/3); 0700, FR/AR, nx by OM, mx at 0710, then nx in AR by OM (Dillon 9/9)
- 4848 BOTSWANA, RB; 0401, Setswana, ID, sermon in EG by OM w/background mx, //7255 (Park, 9/30)
- 4850 CAMEROON, R. Cameroon; 2101, EG nx, ID at 2106, "News comes to you on the National Svc. of RC" (D'Angelo 9/22); 2235, FR, classical and opera mx (Daly 9/30)
- 4865 COLOMBIA, LV del Cinaruco; 0230, SP, romantic LA mx, most LA stations coming in well tonite (Dickson 9/28); 0308, ID, "En LV del Cinaruco..." tropical mx (Wood 10/3)
- 4870 ECUADOR, R. Rio Amazonas; 0234, SP, TC and ID, tx by OM, another ID at 0245, into a musical feature (D'Angelo 9/12); 1007, mx and tx by OM, fair signal this AM (Bolland 9/24)
- 4875 BOLIVIA, La Cruz del Sur; 1015, SP, end of "La Biblia Dice" and ID (McCoy 10/5)
- 4883.6 VIETNAM, Than Hoa; presumed at 1037 w/comments by OM and occasional mx fade-ins, signal plagued by QRM on 4885, would be impossible w/o amplification & spec. tuning (Bolland 9/5)
- 4885 ANGOLA, ER do Zaire; presumed w/Afro mx, 2145, PT nx at 2155, Afro rhythms to 2158, 2201*, beware ZY 1 kHz up...(Berg 10/7)
- 4885 COLOMBIA, Ondas del Meta; 0230, SP, lively LA mx, OM DJ, much QRM (Dickson 9/16); 2330, SP LA mx, ads, TC & ID(Prath 9/20)
- 4890 PAPUA/NEW GUINEA, NBC/Pt. Moresby; 0855, EG, IS at 0900, nx until 0908, then YL ID (Gundersen 9/16); 1115 (Green 10/4)
- 4890 SENEGAL, R. Senegal; 0050, FR, Afro mx, instrumentals w/whopping OM anmts (Dickson 9/30); 2120, OM tx (Bolland)
- 4895 BRAZIL, R. Bare; 0900, tent in PT w/OM tx, many mentions of Manaus and mx (Bobb 10/1)

HOW MUCH IS THAT HQ-180 IN THE WINDOW

If you've ever wanted to own a Hammarlund HQ-180, I know one that needs a good home...mine. The receiver is in great shape, has been lovingly serviced twice annually by an ex-Hallcrafters technician, and comes complete with a KRS Digital Frequency Display, spare parts and tubes, plus original manual. Price for the works: \$425 (shipping included). In addition to the HQ-180, my Panasonic RF-2200 portable is also on the block. It, too, is in fine shape and is available for \$95 (shipping included). Call me at 312/761-0470 if you're interested in either of these fine receivers...CUN30. min.



LOG REPORT

section B

4900 to 6199 kHz

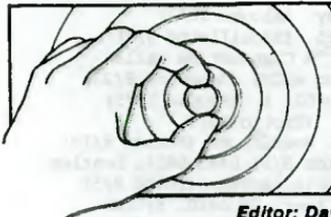
Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

- 4900 **VENEZUELA** R. Juventud, pops, male vocalist, 0220 on 9-15 (Hunt-NC).
- 4904.5 **CHAD** N'djamena, local mx 2105 10-6, 2159* w/kids chorus, NA; strong (Daly-NY); IS 0456 9-3, march, choral anthem, ID 0501, hi-life (Tutak); same 9-8, Afr songs, some chatter, further ID 0507, strong (D'Angelo-PA); mx and FR talk 0530 9-28, nx 0545, ID (Jordan); FR, Afr mx, drums, group singing, 0543 on 9-12 (Feeley).
- 4905 **BRAZIL** R. Araguaia, pops, ID, 0920 9-22 (Perdue-AL); rock and pops 0105 9-13, ID 0110, fair sig (Dickson); mx prgm 0130 9-22, ID 0144 and 0230 (Field-MI).
- 4910 **GUINEA** Conakry, FR talk, mx, 2207 9-22, poor, hvy CW, so make it tentative (Daly-NY); talk, hi-life, 2243 9-15, ID 2255, lost 2347 (D'Angelo-PA); btr than usual lately (JB).
- 4910 **HONDURAS** LV de la Mosquitia, talk, rel.m.x (some EG), fair, QSB, 0145-0210 9-18 (Bobb-MN).
- 4910 **ZAMBIA** Lusaka, *0350 9-9, IS, NA, EG s/on anmt as R. Zambia, vernac.amnt, Afr mx by 0357; fair (D'Angelo-PA); choral singing 0356 9-30, ID 0400, Afr language (McCoy).
- 4911 **ECUADOR** Em. Gran Colombia, ID 0200 10-14, ads, nx, pres.speeches, VG (McLemore-FL); nx 0215 9-27 (Field-MI); nx 0220 9-11, part of EG interview with Geo.Schultz, IDs 0227, jingle, more nx, fair (D'Angelo-PA); nx 0245 9-25, several IDs, good sig, "noticias de Gran Colombia" (Dickson); also good with nx at 0305 on 9-25 (Forsgren-WI).
- 4915 **BRAZIL** R. Arhanguera, ballads, IDs, 0823 10-6 (Alexander-PA); mx, 0000 9-10 (Dickson).
- 4915 **GHANA** Accra, kids chorus 2142 9-22, nx highlights, ID as GBC, NA 2204, then off; good sig (Daly-NY); extensive nx 2146 9-26, sports, ID, Afr mx 2155, vernacs at 2200 (D'Angelo-PA); local nx 0605 9-9, EG, low strength but very clear audio (Brouillette).
- 4920 **AUSTRALIA** ABC-Brisbane, sports 1204 on 9-22, then QnsInd nx, TC 1210, fair (Gray-MI).
- 4920 **ECUADOR** R. Quito, fast talking OM 1053 9-18, IDs, fair (Bobb-MN); 0215 9-14, EZL mx, pops, nx by man 0236, fairly good (Dickson); nx 0234 9-15, singing banco ad, ID, LA vocals 0300, fair (D'Angelo-PA); ID 0530 9-12, romantic mx (McKellar-CA).
- 4920 **HONDURAS** R. Progreso, 0555 12-9 with excited anncr, Bank of Honduras ad (Feeley).
- 4925 **EQUATORIAL GUINEA** Bata, talk 2115 9-22, local Afr mx, ID 2159, long NA to 2203*; good sig (Daly-NY); lively Afr mx 2132 9-30, good R.NaCl ID 2153, mx to 2158 fqy anmt, NA 2159, 2202* (D'Angelo-PA); soul mx 2240 9-27, ID 2256, 2303* w/NA; fair (Yamron-PA).
- 4930 **HAITI** 4VEH, EG relig.mx 2320 9-19, EG lesson, FR ID, F-G (Bobb-MN); relig.folk mx 2345 9-8, FR ID 0000 (Dillon-DC); relig.mx 1007 10-6, male anncr, good signal, FR (Mack-FL).
- 4935 **PERU** R. Tropical being widely hrd. 0953 9-21, mx and talk, fair sig (Bolland-FL); beautiful OA mx 1000 9-8, yelled "Hola Tarapoto" (Perdue-AL); fair w/local mx and ID, 0159 9-24 (Rigas-IL); 0240 9-8 with LA nx, mx, better after 0300, and 0300 9-16 with EZL mx, hvy QRN (Dickson); mx prgm and ID, 0310 on 10-5 (Field-MI); 0315 9-28, v. poor with LA mx, IDs, TCs, some spot armts (Jordan); light mx 0345 9-13, ID 0351 (Jones).
- 4945 **BOLIVIA** R. Illimani, talk, probably Quechua, 1009 10-5, drama, //6025 (McCoy); tent. them at 0930 on 9-9, two men in Indian dialect, CP folk mx, Bol.mentions (Perdue-AL).
- 4950 **CLANDESTINE** Voz de Verdade, maybe S.Africa, PT ID 0310 10-3, talk on Angola, Mozam, Portugal, cleverly used wrd "camaradas," ID 0311, US oldies, good sig (Wood-HI); 0318 10-9, good sig but hollow audio, mostly PT balladas, US oldies 0325, ID by man at 0327 (Moritz-OH).
- 4950 **SARAWAK** Kuching, EG "Perspectives" 1400 9-28, local nx 1415, pops, TC, ID (Sharpe-CA).
- 4951 **SENEGAL** Dakar here, 9-27 from 2251, very strong, non-stop tribal mx to 0002*; again 9-28, 2245-0000*, pops, tone, TC 2356, ID and sked, slow orch.NA to s/off; not //4891 (Reinstein-Potter-FL); two unids. are surely this one, one in FR 2145 10-6, pops, poor sig, sounds African (Daly-NY), and one w/nx 2300 10-5, prayers, 0000* (Sica-NJ).
- 4960 **ECUADOR** R. Federacion, *1031 9-26, NA 1036, talks (Field-MI); *1045 9-1, long HC NA, talk, campo mx, fast paced mx 1108 (Perdue-AL); EZL pops to 0100* 9-29 (Daly-NY); often to arnd 0100 close, but not SP and never have hrd actual ID (JB).
- 4965 **BRAZIL** R. Poti, rapid fire male DJ 0832 9-22, ZY accordian tunes, gal shouting "Poti, Poti, Poti" here and there; tough to take at 4:30 am (Pappas-FL); quick ID in heavily accented EG 0000 10-8, w/location, call, fqy, mb (JB).
- 4970 **VENEZUELA** R. Rumbos, sports prgm at 0245 on 9-15 (Hunt-NC).
- 4975 **COLOMBIA** Ondas del Orteguaaza, 1000 ID 9-21, opening armts, NA, ute absent lately (Perdue-AL); tent. this one 1020-1050 9-20 with talk, LA mx, fair in QRN (Bobb-MN); ID 1000 9-21, NBC-type chimes, fair (Bolland-FL); presumed them, 1036 9-20, but no ID noted; traditional HJ mx, cumbia, paseo beat songs; bad het from 1043 (Moritz-OH).
- 4975 **PERU** R. del Pacifico, 0234-0432* 9-18, good rcpn, relig.prgm to 0300, then clas.mx prgm (Howard-CA); "Alquila de camiones" ad 0302 10-3, PSA, full ID, 3 fqys, into classical "musica de todos los tiempos", good sig (Wood-HI); surprised to find QRN free 9-19 with VG signal, clas.mx, ID finally hrd 0405, 0408, into more traditional SP mx

- prgm; also 9-22 with dinner hr instr.mx 0424, closing amts 0427, religious tune to 0432, OC to 0437* (Moritz-OH).
- 4977 ECUADOR R. Tarqui, local mx, reverb ID, 1053 (Yamron-PA); HC mx 1056 9-20, "Buenos Días," ID, NA, into nx prgm (Jones-MS); IS 1100 on 9-21, possible ID, talk with mentions of Ecuador; fair until QRMEd; make it tentative (Bobb-MN).
- 4980 VENEZUELA Ecos del Torbes, Latin rhythms 0100 on 10-3 (no-name); nx 0130 9-23, ID given, fair signal but fading in and out (Hunt-NC); potpourri of LA pops, ballads, EZL, spot IDs, ad string, TCs, ad skits, echo effects, 0310-0332 9-14 (Jordan).
- 4990 ECUADOR R. Baha'i, test xman, promise of recuerdos, to 0508* (McCoy, JB); ditto, with test tune twice, then ID, address, request for rpts; called self "la emisora de la familia"; at 0816 on 9-22 (Pappas-FL).
- 4990 NIGERIA Lagos, 2150 on 10-4 with local mx, EG nx 2200, good signal (Daly-NY).
- 4990 PERU R. Ancash, rustic yippie CA mx 0535-0610 on 9-3, two IDs (Perdue-AL); 0735 on 10-1, huaynos, requests all night, good sig (Wood-HI); 0925 on 9-25, suddenly on with long ID, amrt, guitar backing, into OA mx, many spot amts, VG to 0948 (Jordan); 0928 on 9-14, clear channel with ID, TC, mx (Bolland-FL); *0933 9-8 w/Hawaiian-type mx, ID as LV de los Andes, R. Ancash, NA 0937, then OA mx (Alexander-PA).
- 4990 SOUTH AFRICA R. RSA, EG 0534-0551 9-9, DX prgm, ID, TC, Good Morning Prgm (D'Angelo-PA).
- 4990 VENEZUELA R. Barquisimeto, LA mx 0120 9-15, strong (Dickson); LA mx, gal with echo ID, good at 0130 on 9-10 (Hunt-NC).
- 4996 PERU R. Andina, 0352-0400* 9-24, EZL LA vocal mx, s/off amts, ID, fqy mention of Huancayo, dead air to 0402 when carrier cut, exc rcpm for PM's (Valko); "Canto Andino" prgm 0951 9-27, loads of IDs, talk between songs, good sig, w/W QRM (Forsgren-WI).
- 5005.4 BOLIVIA R. Cristal, 0040-0140 10-5, fading in after Nepal QSB, mostly EZL instr.mx of pop movie themes, jingle-chime 0100, ID as "Desde La Paz, Bolivia, Radiodifusoras Cristal"; jingle-chime agn 0116, then ID for FM 103; arm chair quality sig (Reinstein-NEPAL Tent. Kathmandu, 0009-0040 fade on 10-5, OC 0009, IS 0015, brief talk Potter-FL). 0020, indigenous mx; too weak for positive ID (Potter-Reinstein-FL); singing with rapid talk between selections, poor 1525 9-26 (Park-HI); Nepali mx 1630 10-1, Kath.temp 1635, ID; has big stn sound and no sign of Pakistan-5006v (Wood-HI).
- 5005 SARAWAK Sibn, chanting-type vocals 1400 9-23, //7270, 6050, 4895 all hrd (Zilmer).
- 5010 CAMEROON Garoua, singing to 2218 9-18, NA to 2219* (Bolland-FL); ditto to 2220*, 9-9, no amts (Daly-NY); FR folk mx 0520 9-8, ID, talk, EG nx at 0530 (D'Angelo-PA).
- 5020 SOLOMON IS. Honiara, nx 0805 9-20, poor (McKellar-CA); talk by gal 0907 9-24, pop mx (Bolland-FL); island mx 1045 9-11, ads, ID, nx 1100 (Cobb-ME); pops 1150 10-8 (Alcorn-NJ).
- 5025 ECUADOR R. Splendit, 0138 10-1, ID, EZL mx, fair sig (Bobb-MN).
- 5025 PERU R. Quillabamba, ID 0255 10-2, PSAs, march anthem to 0300*, good sig (Wood-HI).
- 5026v UGANDA Kampala, AR-sounding lang 0353 9-30, EG nx 0400, IDs (McCoy); EG nx 0405, ID 0410, march 0417, 9-6 (Perdue-AL); EG nx 0405, vernac. at 0415, 9-18 (Yamron-PA).
- 5030 PERU R. Los Andes, 0933 9-14, poor with mx, ID, mixing w/Continente (Bolland-FL); strange mx 1040 9-13, echo ID, local mx (Jordan); rustic OA mx 1040 9-2, ID 1043, excellent sig (Perdue-AL); TC, ID 1041 9-23, folk mx, fancy flute mx, fair (Bobb-MN).
- 5030 VENEZUELA R. Continente, 0028 9-7 with LA mx, rock, ID 0030 (Dickson); 0105 10-7, ads, LA mx (Alexander-PA); 0340 9-22 (Dickson); full ID 0936 9-14, rancheras (Bolland-FL).
- 5030 SARAWAK Kuching, EG rock mx at 1300 9-29, Bidayuh language, fair overall (Zilmer). Unid., maybe them, 1214 10-6, soul, C&W mx, nx 1230, 5025 ute QRM (Park-HI).
- 5030 UNID. 0410-0500 9-6, British folk songs, no ID, off abruptly 0500. R. Truth? (Swaringen).
- 5035 CENT.AFR.REP. Bangui, NA 0426 9-5, ID, nx 0430, FR (Tutak); *0428 9-16, fair sig (Gavaras); poor at *0430 9-16, NA, nx (Gundersen); Afr mx, talking, 0440 10-7 (Field-MI); mx, nx, talk, 0456-0512 9-2 (Hawk); hi-life 2225 9-22, ID 2230, weak, QRN (Forsgren-WI).
- 5040 COLOMBIA R. Cinco, lively LA mx 0026 10-7, ID 0028, no sign of Upano (Alexander-PA); mx 0210 9-6, spot amts, ID, ads, promos, more mx (Jordan).
- 5040 ECUADOR LV del Upano, drama 0010 9-13, IDs 0029, 0055, mx 0030 (Dickson).
- 5045 BRAZIL R. Cultura do Para, 0938 9-14, fair with mx, clear until HC-5050 QRM 0940 (Bolland-FL); clear 0002 9-10 after Togo off, pops, ballads, occasional ID (D'Angelo-PA); 0210 9-24, vocals, Brazilian pops, ID 0216, strong sig, slight QRN (Dickson).
- 5047 TOGO Lome, mx 2236 9-22, hi-life, M.Jackson, ID, IS, nx 2300, good (Forsgren-WI); mx 2235, later chanting, 9-18 fair (Bolland-FL); EG pops 2245 9-15, 2259 chimes(Enkenhus-MD).
- 5050 ECUADOR R. Jesus del Gran Poder, chimes 0959 9-3, organ mx, HC NA, ID 1005, booming in (Perdue-AL); 1011 9-26, relig.mx, kids chorus, sermonizing (Levison); 1040 9-22, SP rosary (Feeley); noticias 1103 9-27, many TCs, TIFC QRM (Forsgren-WI); I think this one w/Vatican serial prgm 1103 10-7, soon returned to regular prgm (JB); 0220-0250* 10-4, much mx, several IDs, NA 0250, strong signal, slight QRN (Dickson).
- 5050 TANZANIA Dar es Salaam, pips 0400, ID in Swahili, nx, gone by 0428, 9-16 (D'Angelo-PA).
- 5052 SINGAPORE R. Singapore, nx, cmtry, ads, EG at 1300, fair 9-29 (Zilmer).
- 5055 COSTA RICA TIFC, *1030 9-20, NA, IDs (Moritz-OH); mx 1054 9-9, ID 1059, religious mx (Enkenhus-MD); ID 0257 9-26, fqy, religious talk on handling criticism, fair in EG (Bobb-MN); relig.talk in EG at 0300 9-12 (Feeley); EBC quiz 0316 9-6, VG (Jordan).
- 5055 ECUADOR R. Catolica Nacl, ID 0018 9-21, marimba-ranchera mx; het, but often dominant and pretty easily loggable (Moritz-OH); church svc 0146 9-21, TC, ID 0202, folk mx, ID 0247, fqy as 880, NA, 0250*; good lvl, but bad het from presumed HRYC-(Cunningham); 0224-0243*, LA mx, religious mx, off after ID amrt, fair with QRM (Valko-PA).
- 5055 FRENCH GUIANA Cayenne, *0858 9-26, IS, NA, ID, talk and mx (Bobb-MN); 0900 9-6 with IS,

- NA, gal with FR opening armt (Perdue-AL); man with FR talk 0903 9-29, ID, into local ballads; weak (Forsgren-WI); talk 0945 9-14, brief mx, fair sig (Bolland-FL).
- 355 SWAZILAND TWR, IS 0357 9-1, "This is TWR, Swaziland," poor sig (Hart-FL).
- 359 COLOMBIA R. Sutatenza, world nx 0100 9-23 (Green); nx 0110 9-5, strong as usual (Dickson); mx 0145 9-10, ID, usual CW QRM (Hunt-NC); full EG ID 0300 9-6 (Jordan).
- 170 CHINA PLA stn, CH mx 1014 9-21, not //5265 (Bolland); talk, mx, 1115 9-20 (Prath-FL).
- 192 PERU R. Nuevo Continente back, 1022-1045, fairly gud, talk, many IDs, TCs, mx (Valco-PA).
- 265 CHINA PLA stn, fair w/CH mx 1013 9-21 (Bolland); 1045, CH mx, //5240, gud sig (Yamron-PA).
- 331 ANGOLA R. Nacl, 0502-0510 9-22, apparent *0500, poor w/seemingly nx (Moritz-OH).
- 360 PERU R. Vision, 0010 10-5, mx, nx 0038, sig improving (Dickson); pops, coke ad, ID 0159, good 9-27 (Yamron-PA); mellow LA vocals 0238 9-28, ad string 0245, many IDs, fairly strong (Forsgren-WI); canned ID 0305 9-15, EZL pops; poor, QRN, fading (Daly-NY).
- 475 GUINEA BISSAU R. Nacl (tent.), hi-life mx 2320, low armt 2356, NA, but need more for ID; 0003* (D'Angelo-PA); unid. 0646 9-3, Afr mx, goat bells (Swaringen).
- 310 BELGIUM BRT, EG 0105-0112*, talk abt Belgium, mx, s/off, good sig 10-6 (Trotto-FL).
- 330 CZECHOSLOVAKIA Prague, 0059 9-2, IS, EG NA svc, nx, Sun Mag of the Air, exc sig (Hart-FL); sports 0141 9-11, EG (Feeley); IS 0355 9-30, ID, into SP, F-G, //s 7345-9540 poor, 9630 good, 9740-11800-11990 QRM'd (Jordan); 2130 s/on in SP, 10-6 (Daly-NY).
- 340 USSR R. Tikhy Okean, 0735-0755 RS 9-15, "Panorama," brief FG nx 0747 (McKellar-CA).
- 345 AUSTRIA Vienna, in EG 0130 9-16, nx, North Sea wx, Rpt from Austria, fair (Gray-MI); 0138 9-11, talk on refugee education (Feeley); ID 0330 9-8, Rpt from Austria (Dillon-DC).
- 249 PERU R. Arequipa, 0115-0314* 10-1, poor-fair, pop EG songs, LA ballads, Happy Birthday, many IDs, religious prgm 0300 (usually 0300*) (Howard-CA).
- 350 GUYANA CBC, development nx 2340 9-23, obits 0000, pops to 0200; fair, overmodul (Daly-NY).
- 355 COSTA RICA R. Casino, EG 0542, pop mx, IDs, NA to 0602*, good sig (Yamron-PA); pops, vocals, ID, call ltrs, EG, to 0602* 9-20, fair sig (Jones-MS).
- 355 SWAZILAND TWR, *0350 10-2, IS, EG ID 0400, into GM, sermon, good w/weak jamming underneath (Wood-HI); GM relig. prgm 0405 9-10, no IDs but IS hrd at 0430* (Park-HI).
- 365 BRAZIL R. Guaiba, two men talking 0952 9-14, TC, ID, more complete ID on the hr (Bolland).
- 375 COLOMBIA R. Macarena, chimes 0859 9-7, ID, mx, TC, singing ads, reverb ID, fair (Bobb-MN); 1001 promos, 9-14 (Bolland); tent. at 0205 9-27, over BBC, posble ID and TC (McLemore-FL).
- 375 ENGLAND BBC, WS nx 0000 9-29 (Green); sports 1650, nx 1700 (Park-HI).
- 375 S. KOREA Seoul, JP ID 0743 10-1 ("R. Pangkuk Hoso, KBS no"), //7275; good (Wood-HI).
- 380 SOUTH AFRICA R. RSA, EG nx 0405 9-24, cmtry, QRM from 5985, 5982 (Park-HI).
- 380 TAIWAN Voice of Asia, EG fair 1100-1200 9-23, mx, many IDs, QTH, CH 1200 (Howard-CA).
- 382 MEXICO XEJ, Linares, fair at 1017 9-26, fiesta mx, ranchera mx, frequent IDs, gave QTH as Apt. 62, Linares, Nuevo Leon; heavy fades at times (Jones-MS).
- 385 BOLIVIA R. San Jose, 0915 past 1000, non-stop local mx to 0945, then canned ID, F-G (Valco-PA); opened arnd 0925 10-11, sig rivals Illimani on good days (JB).
- 385 GFR RFE in Hungarian 2100 9-29, ID 2109, hvy QRM from RAI, but good (Nathanson-ISRL).
- 392 EL SALVADOR R. El Salvador, marimba mx 1158 10-10, pops, DJ talk, many TCs, ID both as R. Nacl and R. El Salvador; good strength, fair overall (Jones-MS).
- 395 AUSTRALIA RA, nx 0936 9-8, ID 0940, fair (Bolland-FL); Pidgin 1000 9-30, ID 1016, 60's rock mx (Jordan); Talkback 1610 9-22, Mayak QRM from 5990 (Park-HI).
- 400 BRAZIL R. Inconfidencia, ad string 0630 9-16, ballads, poor in QRM (Pappas-FL).
- 405 CANADA CFCX-Montreal, breakfast show at 1240 9-13, many IDs (Witzig).
- 405 USA WYFR NF, EG Open Forum 0625 9-25, //6065 (Park-HI); UPI world nx, gal with ID, fgy sked, good sig beamed to Canada; to 0800* 9-16 (Trotto-FL).
- 410 NORWAY Oslo, end of IS noted 0000 9-18, fanfare, into Norwegian nx (Bobb-MN).
- 412 SOUTH AFRICA R. RSA, EG 0239-0256*, talk, ID 0242, book rvw, ID at s/off (Enkenhen-MD).
- 412 ANTARCTICA APAN, hrd well 0825 9-30 in USB, ID, CAW mx, ID 0850 (Yamron-PA); tent. them 0802-0854 9-25, EG songs, no amnts, 1002-1056 9-21, ditto, Nic QRM from *1048 (Howard-CA).
- 415 NICARAGUA LV de Nicaragua, 1120-1200 on 9-8, EG-SP pops, TCs, nx at 1130, ID by gal at 1135 (Alexander-PA); various times and dates, 0000-0200, strong in SP 0000, EG at 0140, nx, talk of mercenaries, comparisons with Vietnam, etc. (Dickson).
- 420 NETH. ANTILLES RN-Bonaire, at 1033 on 9-10, Pac & Carrib Svc, world nx, good signal (Blanchette-FL); Newslite at 1040 on 9-22, SW Feedback, RM: QRM (Park-HI); Tuesday Report on 10-2 at 1100, ID, 1125*, good signal (Trotto-FL).
- 425 BOLIVIA R. Illimani, long talk at 1017 on 10-6, into mx, full stn ID over song at times, TC, canned ID (Johnson-TX); tent. at 0956 on 9-29, talk by MAW, tones, ballads, worse on 4945 (Paszkiwicz)(hrd you on HCJB, Sheryl--JB); ID 0345 on 9-28, QTH, local mx selections, yipping, etc. (Jordan).
- 430 USA APTS Sports Magazine 0640 on 9-26, Sports Call, QRM frm VOA-6035, RTTY (Park-HI).
- 45 AUSTRALIA RA, *0745 10-1 with IS, FG 0800, ID, nx, good sig, //9580 (Wood-HI).
- 50 ECUADOR HCJB w/Span. prgmng, sports event 2315 9-8, ID, pips 2330 (Dillon-DC).
- 50 NIGERIA Tent. Ibadan, talk and Afr mx 2230 9-21, some pretty strange; F, noisy (Bobb-MN).
- 50 USSR FE site, RM EG nx 1530 9-19, Mailbag, poor, //6020 (Park-HI).
- 55 CZECHOSLOVAKIA Prague, EG at 0639 10-6, local pop mx, ID (Alexander-PA).
- 58.5 CHINA Chengdu presumed (//7225), 4 ascending notes on celeste-type instrument, repeated twice, hrd 1030; just the usual 5+1 pips on the hr, however (JB).
- 60a AUSTRALIA RA, EG feature on philately, good at 1515 on 9-1 (McKellar-CA).
- 60 PERU Probably R. JSV at 1020 on 10-9, CA mx, GMT-5 TCs, just on top of Argentina; no longer distinguishable by 1035, but hrd slightly later some days. (JB).

- 6060 UNID. An Asian in here some days when JSV/BA fade out, arnd 1050; maybe s/on is 1100; several note IS, pips on the hr, talk, but weak and often QRMed. Miri? (JB).
- 6065 BRAZIL R. Nacl de Amazonica, long ID 1001 listing Radiobras stns, 9-15 (Park-HI); talk 1015-1030 10-4, fair (Bobb-MN); rx by two men 1018 9-19; since mid-August (Bolland-FL).
- 6065 USA VoFC over WYFR now here //5985, EG 0100-0200, CH 0200-0500, EG 0500-0600, btr than 5985 in HI (Wood-HI); talk on Hong Kong takeover, 0115 10-6, //5985 (Johnson-TX).
- 6070 CANADA CFRX-Toronto, booming in HI 0315 10-3 (Wood-HI); "zoo poo" fertil.ad(!) 1500/
- 6075 HONDURAS LV del Junco, LA mx 1230 9-17, patriotic talk, ID (Prath-FL). (Dickson)
- 6080 CANADA CKFX-Vancouver, 30's mx 2245 9-7 (McKellar-CA); MW ID 0924 9-25, NHK QRM 0956/
- 6080 CHILE R. Patagonia Chilena, F-P *1028 past 1110 9-25, IDs under NHK, rice (Howard-CA) Flute mx, 1032 "R.Patag.Chilena presenta . . R. Portales" (Portales relay) (Howard-CA).
- 6080 JAPAN R. Japan, *0956-1100* 9-25, good, IS, Asian lang prgm 1000 (Howard-CA).
- 6087 TAIWAN BCC, female vocals 1040 10-6, male annrc, band mx, pips on hr, ID (Johnson-TX).
- 6089a NIGERIA Kaduna, talk, mx, Koran, pips, NA, 2235-2301* on 9-20, F-G but het (Bobb-MN).
- 6090 ARGENTINA R. Belgrano, 2344 10-14, TC, pips, ID 0000, prgm of Crosby, Clooney, boogie-woogie, etc; ID agn 0030; USB helps, and sig respectable, at times even over Lux (JB).
- 6090 CUBA Havana, EG nx 0105 (Dickson); 0115 9-4, nx, anti-US cntry, sports, ID at 0130 (Berner); wx 0140 9-4, "Cuba and the World," ID at 0145, good sig (Gray-MI); 0200 9-20, mail, revol.talk (Bonnet-IN); ID 0245 9-9, contest, exc sig (Trotto-FL).
- 6090 LIBERIA ELBC, 0805 9-15, prgm promos, US pop mx, ID 0812 (Alexander-PA); disco mx 0820 9-12, ID, TC, talk on tropical diseases, fair overall (Jones-MS).
- 6090 LUXEMBOURG R. Lux, EG, rock, ads, calls, 2344 (D'Angelo-PA), 0043 (Sica-NJ, Blanchette-FL)
- 6095 CHINA Beijing, talk by gal in CH 1011 9-19, light CH mx, poor sig (Bolland-FL).
- 6095 ECUADOR HCJE, Wednesday DXPL 0630 9-27, QRM from 6090 and 6100; EG (Park-HI).
- 6099 NICARAGUA LV de Nicaragua, SP mx 1008 9-14, canned ID with reverb mike, fair, not too interesting (Bolland-FL); 1120 9-8, talk, SP pops, marimba, sirens, revol.talk(Alexander-PA).
- 6100 ALASKA KNLS, good 0858-0944 9-22, relig.mx, ID, QTH, "Insight", RS 0930(Howard-CA). PA).
- 6105 MEXICO Su Pantera, rock 0144 9-25, ID 0158 (Moritz-OR); ID 1152 10-3, F-P (Bobb-MN).
- 6106 BOLIVIA R. Panamericana, nx 1036 9-30, ads, IDs (Yamron-PA); fair 1048 9-19 (Bobb-MN).
- 6110 MALTA R. Mediterran, FR 2158 9-11, mx, talk, past 2210, fair sig (Bolland-FL); EG nx by gal at 2245, pop mx 2256, ID, 9-18 (Yamron-PA).
- 6110 PHILIPPINES VOA, Now Mx USA 1130 9-20, US top ten, QRM both sides (Park-HI).
- 6115 JAPAN NSB, Japanese comedy 0728 on 10-1, laugher, //6055, 9595, good sig (Wood-HI).
- 6118 COLOMBIA LV del Llano, lively LA vocals 0730 9-29, IDs, TCs, huge sig (Forsgren-WI).
- 6120 CANADA BBC WS relay, world nx 0000 9-18, Radio Newsreel, //6175 (Dillon-DC).
- 6120 GER DW, in German 0430 on 9-27, pop mx, talk on Oktoberfest, good sig (Witte-CA).
- 6121 NICARAGUA R. Zinica, 0414-0448 9-24, good with SP pops, LA ballads, phone calls(Howard-CA); ID 1131 908 (Alexander-PA); 1127 9-18, TCs, IDs, US and SP pops, good (Yamron-PA).
- 6130 ECUADOR HCJE, EG Musical Mailbag 0731 9-30, //9655, 9745, 11925 (Park-HI).
- 6130 USA VOA, swing mx 0030, Goodman, Krupa, etc.; good sig (Dickson).
- 6135 SWITZERLAND SRI, *0140-0215* 10-1, Dateline, current affairs, all EG (Bonnet-IN).
- 6135.5 TAHITI Papeete, local/US pops 0830 9-16, ID 0858, NA 0859, 0900*, //11826(Alexander-PA)
- 6145 GER DW, ompah mx 2326 9-15, GM lesson in SP 2331, ID 2344, good sig (Enkenhus-MD); EG *0100-0150* 9-29, IS, ID, nx, Mike on Europe, Germany Today, good sig (Trotto-FL); 0335-0400 9-29, instr.mx, fast paced and lively, in German (Bonnet-IN).
- 6150 AUSTRALIA ABC-Melbourne, NY Jazz Festival-mx 1256 9-16, TC, ABC nx 1300(Enkenhus-MD).
- 6155 PERU R. Pucallpa hrd most AMs lately, carrier on arnd 0858 but messy fqy at that hr; ID soon after 0900, folklorica mx, occasional amnts, TCs, promos (JB).
- 6155 SINGAPORE R. Singapore hrd in Asian language, 1059-1131 9-28, time ticks, ID by gal, into chants, then EZL mx prgm; ticks again 1129, ID, Asian nx by man (Valko); 1114 on 9-22, pops, talk, blocked considerably by CW stn 1122, otherwise good (Bolland-FL).
- 6160 CANADA CKZN-St.Johns, nx, mx, wx, sports, 1039 on 9-25 (Feeley); 1900 9-3, CBC ID, nx, sports, shipping info, union and folk mx, fair reprn with fading (Cobb-ME).
- 6160 SOUTH AFRICA R. RSA, NF, *0159-0210 9-29, EG, nx, Afr Rvw, good signal (Trotto-FL).
- 6160 USA KGEI, man with religious talk in RS 1420 9-21, peble ID 1430, F-G (Bobb-MN).
- 6160 UNID. Het here most AMs just before 1000, stn s/on at 1000 with SP ID and flute mx in the background; bet its Margaluc, but CKZN often too strong to separate (JB).
- 6165 N. KOREA Pyongyang, AR at 1600 on 10-1, gives sked, fqys, into nx, //9560, 11985, all good; QRM from RM in CH (Wood-HI).
- 6165 MEXICO Xkw, PSAs at 0727 on 10-1, good signal, //900 MW (Wood-HI); promo as "la gran estacion" 1113 9-20, talk mx, mentions of Mexico, fair but noisy (Bobb-MN).
- 6165 NETH. ANTILLES RN-Bonaire, 0230-0325, world nx, Newline, Fri Rpt, Dutch Viewpoint (Dillon-DC, Forsgren-WI); Happy Stn 0540-0600 9-24, perfect reprn (McKellar-CA).
- 6170 ALASKA KNLS, boogie-woogie 0715 9-22, 30's and 40's mx, EG, poor sig (McKellar-CA).
- 6170 CUBA Havana relay of R. Moscow now here, hrd arnd 0100 (Rigas-IL, Jordan, Dickson).
- 6175 AFRICA BBC relay, Wave Guide 0030 9-6, Book Choice, ID, good signal (Dillon-DC).
- 6175 BRAZIL R. Guarani, Braso-pops 0815 9-29, TCs, futbol promo, a few IDs; weak(Forsgren-WI).
- 6175 COSTA RICA TIFC, mx prgm 10-6, stn ID by man at 1128 (Johnson-TX).
- 6180 VENEZUELA R. Turismo, 1007, ID, 9-19 (Bolland-FL); SP pops 1044 10-6, big IDs(Johnson-TX).
- 6179 ARGENTINA R. Nacl Mendoza, 0820-0835 10-7, SP pops, ID and TC 0826 (Alexander-PA).
- 6190 PERU R. Oriente tentatively, poor with variety of mx 1105 10-6, 6195 QRM (Field-MI).
- 6195 CANADA CBC K.Quebec Svc, C&W tunes 0000 9-9, QRM from VOA-6190; poor (Dillon-DC).
- 6200 NICARAGUA R. Sandino, LA mx, talk by MAW, 1120-1200 9-8 (Alexander-PA). 73 -



LOG REPORT

section C

6200 to 11699 kHz

Editor: David L. Walcutt, 211 West 58th, Apt. 36-F, New York, NY 10019

Hello fellow SWLs. It's probably just a coincidence.... but the marriage bug has claimed its second LOG REPORT EDITOR in a matter of months. You already know about Mike over at LOG "A", but our most recent casualty is Dave Walcutt, for whom I am pinch-hitting this month. And mind you, I am taking all the precautions (too numerous to mention here) --the imminent prospect of marriage has made the duty of LOG EDITOR a potentially hazardous job, even for a short-timer like myself.

More irrelevancies if room permits at the end, meanwhile here are the logs, and as tradition holds, last month's logs will not be repeated.

- 6209 USA KWGS relay, 0215-0300*, fr, w/relay of Tulsa, OK KWGS 89.5 FM. Oldies jazz. Sudd. off 0300; Good clear signal (Rigas 10/7)
- 6230 CLAND R Monimbo, new contra cland., 0000-0100, 0200-0300 SP, xlnt sig, ID: "Desde el pacifico, hasta el atlantico. Desde el norte hasta el sur. R Monimbo, simbolo del valor y del sacrificio del pueblo del Nicaragua, comienza sus transmisiones con el lema de Pedro Joaquin Chamorro 'Nicaragua volvera ser republica'". (Reinstein and Potter 9/18) Straight mx expt for ancmty by W at 0017 and 0058. Mx light & easy going, flowing together very well which tells me some planning has gone into this one. (Moritz 9/26) Refs to Comm. in Lat. Am. & revoltn (Jordan 10/1) Anti-Nicarg & Sandanis, also anti-Cuban (Forsgren 9/25)
- 6240 PIR Vo Tomorrow, 0050-0129*, *0258-0351*, tx abt Natl Soclsm (Rigas, McLemore)
- 6247.7 PERU R Municipal de Calca, 1038-1050f, t/in to QA anthem, ID (Reinstein 9/27)
- 6275 PIR Vo the Phoenix, 0214-0221 EG, Rock mx, cpl IDs. ID at s/off said to be b-casting from int'l waters (Forsgren 9/30)
- 6310 CLAND R Camilo Cienfuego, 0306-0314, ez-1 mx, IDs, xlnt sig (Tutak 9/14)
- 6310 CLAND LV del CID, 1012-1024, aprntly has mvd here now w/pwfl +10 sig and v/free of QRM, ID: "R Camilo Cienfuego" 1019 (Moritz 9/20)
- 6320 CLAND R Camilo Cienfuego, 0320-0344, came up like gangbusters abt 5 min aft end mxsn on 6310; not on 10040 as GH reprd in JL '84 FRENDX (Tutak 9/14)
- 6556 CLAND R Faribundo Marti, 0000-0040 SP, marches, patriotic tx; ld & clr, ID as "R Venceramos" 0040 (Dickson 8/25) 0252-0317, IDs, fr sig (Gavaras 9/21)
- 6570 CLAND R Venceramos, 0302-0315 SP, typical revoltn tx (Forsgren 10/3) 0051*, gd w/s/off ancm & "Victoria fival" scream by YL (Rigas 10/1)
- 6900 PIR KQRP, 0044-0108* EG, old cntry classics; Battle Creek adr (McLemore 9/24)
- 6974 CHINA CPBS Nei Menggu, 1425 VERN, drama (Park 10/2) 1029 CH, beaut mellow CH vocals by W; M ancr, no ID hrd; f (Pappas 10/1)
- 7017 CLAND R Farabundo Marti, 0101-0107 SP (Valko 9/17) //7023 0134-0206* SP, many IDs, tx by M/W, SP mx. Wk w/heavy CW QRM (Alexander 9/22)
- 7025 CHINA Fujian Front PLA, 0917, M/F ancrs txing over patriotic mx; steady crowd noises in background. Seemed live. (Pappas 10/1)
- 7035 CHINA R Beijing, 2005-2020 CC, ID 2014, nx (Nathanson 9/2)
- 7065 ALBANIA R Tirana, 0007-0026* EG, YL, ancr W, nx in progress, cmntry on well-being o/wrker in Comm. state (Jordan 9/7) New attractv W ancr, simlr to Helena on R Prague (Dickson 9/30) *Tnx for that blockbuster tip! -ed. 2224 EG, pgm schedl for upcoming week (Feeley 9/12)
- 7105 TAIWAN BBC Taipei, 0040 FR/EE, FR pgmg, into EE nx (Witte 9/22)
- 7150 USSR RM NA Svc, 0115 EG, "Mailbag," tx abt Japan (Dickson 9/16)
- 7215 TURKEY Vot, *2100-2110 FR, IS, ID by W, nx, fr sig, QRM (Trotto 9/9)
- 7220 HUNGARY R Budapest, 2130-2155* lang? tx, interview; fr (Trotto 9/30)
- 7225 TUNISIA R Tunis, 2100-2125 AR, ID, wld nx, drama px, QRM (Dillon 9/23)
- 7245 LYBIA R Jamahiriyah, 0130-0150 AR, CM into lengthy tx w/v/brief dramatic mx break at 0141, AR mx 0148; f (Jordan 9/22)
- 7260 LIBERIA (per WRTH) VoA, 1800 EG/Amharic, IS, ID, nx (Park 9/25)
- 7270 S.AFRICA RSA, 0530 EE, Guitar & bird s/off (Witte 9/22)
- 7270 MALAYSIA RIM Sarawak Grn Ntwk, 1400 Iban, chanting vocals (Zilmer 9/23)
- 7295 MALAYSIA R Mal., Kuala Lumpur, 1445-1455 EG, mx ftr from play (McKellar 9/11)
- 7320 USSR RM, 0230-0300 EG, history pgm: WW II; life in USSR, clr (Dickson 9/30)
- 7345 CZECH. R Prague, 0125 EG, mx for taping (much QRM) (Alcorn 10/2) 0305- EG, report on N.Z. premier visiting US (Dickson 9/22)
- 7350 CHINA R Beijing, *1200-1215 CH, IS, ID, tx by W ancr; p (Trotto 10/7)

7355 USA WFNO, 0120 EG, report on European culture display (Alcorn 10/2)

7355 USA WYFR, 0400 RS, usu. rel px; wk aprmt spur on 7365 (Brouillette 9/9)

7355 PIR R Cland., 0301-0354* EG, Rolling Stones mx, ID: "R Clandestine calls you on the SW pirate bootleg bc band, fake ad(s); vg w/QRN (McLemore 9/23)

7370 GREECE ETR, 0548 GK, n-stop hdoore Bouzouki mx, ID 0602; f (Pappas 10/5)

7375 ITALY RAI, *0446-0500 IT, hrd IS, ID by ancr, nx; f (Trotto 10/7)

7375 PIR Samurai R, 0205-0215 EG; ID: "SR, the Vo Oriental Amer, rk mx (Benner 8/19)

7400 CLAND LV del CID, 0337 SP, ID, martial mx (Paszkiwicz 9/9) 0445-0451, Beatles mx, 0447 ID, more BtIs. mx... beats political rhetoric, anyway (Tutak 9/5)

7410 PIR Vo Tomorrow, 2238-2259* EG, lengthy discussn of Amer. Educatnl system w/mentn of "The Third Wave." ID, howling wolf at s/off; p (Pappas 9/15)

7420 PIR R North Coast Int., 0105-0113 EG, Avant-garde class.mx (McLemore 9/29)

7425 PIR WMIV, 0434-0453 EG, rock mx, M ancr, FLA adr (PO Box 1145), last 2 #'s of zip were 44; area code 305; v/weak, static & fades (D'Angelo 9/9)

7425 PIR R Sine Wave, "007" theme, ID, TS, pgm on the Beatles incl rare B-sides, went off in mid-song; g (McLemore 9/23)

7425 PIR R Sound Wave, 0410 EG (10/7), 0301-0328* EG (9/30), rock mx, adr for repts PO Box 393, East Moline, IL (Alexander, Cunningham)

7425 PIR R North Coast Int., 0009-0046* EG, bls & punk rk mx, ID, still ancs old ACE adr (why?), pgm on immigrant hillbillies(!), slow/sngg dogs; vg (10/6) 0031-0034*, "Radio Silence" by Thomas Dolby, ID, adr; vg (McLemore 10/8)

7425 PIR R Heartland (via KQRP) *0257-0345* EG, '60s/'70 mx, RM spoof (Hart 9/1)

7430 PIR R Sine Wave, *0136-0228*, IDs, adr Box 5074, Hilo, HI 96720 (McLemore 9/30)

7430 PIR KQRP, last b-cast till 1-2yrs; will come back w/anoth name (5 Reporters)

7430 PIR WIMP, 0248-0316* (9/30) IDs, Battle Crk adr, rock mx (Alexander, Arthur)

7450 SPAIN SFR, 2300-2315 EG, nx; blockbuster signal (Alcorn 10/8)

7480 CHINA R Beijing FS, 1416 CH, lang lessons, children's mx //11515 (Park 9/27)

8566 CHINA CPBS Minority Lang Svc, 0957 KR, IS, ID, tx by M/W; p (Park 9/20)

9170 CHINA R Beijing, 1130 CH, YL tx, poor signal (Daly 9/30)

9425 ISRAEL Kol I, 2230 EG, replaces 9420 (Zilmer 9/17)

9440 ISRAEL Kol I, 0200 EG (Hunt 9/23) 0444-0520 SP/EG/FR (Jordan 9/24)

9470 USSR RM, 0357 SP, big band mx, ID, IS, pgm preview, nx; poor (Park 9/21)

9505 JAPAN RJ, 1110-1115 EG, "Japan Scene," nx; good (Benner 9/3)

9510 ALGERIA R Alg., 1709-1800 FR, All FR w/an occ ancnt in EG; rk mx (Valko 9/25)

9510 GUAM KIWR, 1341-1400 EG, rel pgm, mx (Enkenhus, Feeley 9/10)

9525 JAPAN NHK, 0950-1002 JP/PT, M giving stand-up comedy bef. live aud. (Bolland 9/8)

9530 SPAIN SFR, 0050-0110 SP, IDs, lively SP mx, wld nx (M) (Dickson 9/19)

9530 USSR RM, 1830 EG (Park 10/4) 0130- EG (Dickson 8/25)

9535 SWITZ. RSI, 1100 EG, nx (Alcorn 9/30) 1550-1600 EG, interview (Trotto 10/2)

9540 MADAGASCAR R Neth., 0600 EG, DX show on jamming (Witte 9/27) 1830 EG, "Nxlne," "SW Feedback" (Park 9/29) 2045 EG, tx, 78 rpm records played (Hunt 9/30)

9545 W.GERMANY DW, 0500-0550 EG, German nx and feature "daily" (Swaringen 9/6, et al)

9545 MALTA IBRA R, 2054-2115 EG, ID, bible readings; sig good (Trotto 9/15)

9555 GERMANY (FR) RFE, 2300-2305 RS, ID R Svoboda, tx, f then fading (Bobb 9/16)

9560 N.KOREA R Pyongyang, 1300 SP, IS, ID, tx, mx (Zilmer 9/14)

9560 NETH. Ant. TWR, 0830 PT, ID: "R Trans Mundial," rel tx & mx; g (Dillon 9/8)

9560 E.GERMANY RBI, 0300 EG, CMT -yours for the asking (Zilmer 9/16)

9565 MALTA DW, 0100-0150 EG, classic mx, The Sunday Show (Feeley 9/10)

9570 S.KOREA RK, 0815 EG nx; fr (Park 9/1) 1400-1428 EG, "Muscl Pround" (Sharpe 10/2)

9580 S.AFRICA RSA, 0040-0056 SP, rock mx, tx M ancr, ID; g //6160 (Trotto 9/30)

9580 ITALY RAI, 0107 EG, nx, slow dull reader (Feeley 9/10) *opp. Editorials welcome!

9587 EL SALCADOR REL S, 0143-200 SP, ID, TC, mx, some rock; p-f QSB (Bobb 9/28)

9595 JAPAN R Tanpa, 1219 Japanese pgm, JP pop & rk mx, EG ID: "SW is superwave. Switch on superwave -R Tanpa" "Nx Today" 1250 (Pappas 9/8) 0905-0930 EG, txd to peo.who visited NYC; ID, sig f (Trotto 9/20)

9605 VATICAN CITY VR, 0105 EG, tx abt ecumenicalism, s/off 0110 (Alcorn 9/30)

9610 IRAQ R Baghdad, 2103-2155 EG, 2030 EG, 1930 GM (7 Reporters)

9618nf MOZAMBIQUE RMoz., 1802 EG, natl & wld nx, ID, into propaganda pgm (Park 9/29) 0425 PT, pop mx pgm w/W DJ (Brouillette 9/30) 1436 nx,ftball (Paszkiwicz 9/16)

9640 SWAZILAND TWR, 0408-0416* EG, rel pgm (Park 9/15) Ancl Special Test Xmsn for Cent.&E.Africa. Reports (pref fr.target) to Box 21514, Nairobi, Kenya OR Box 64, Manzini, Swaziland (Brouillette 9/30) *Freq. & times? -ed.

9645 BRAZIL R Bandeirantes, 0905 PT, TC, cat meows, ads, ID (Dillon 9/8)

9645 COSTA RICA TIFC, 1122-1130 SP, M w/tx & mx ment. Costa Rica (Bobb 9/18)

9660 TURKEY VoT, 0240-0255 TK(?), OM into walls & chants, choir (Jordan 9/22)

9675 EGYPT R Cairo, 0238-0300 EG, //9475, W ancr, tx, ID, mx, mail; g (Trotto 9/29)

9685 USSR R Kiev,*2330-0000* EG, IS, ID by OM, px preview, nx, comtry, intwvd pro-Soviet US YL visitor, cultural activities report; p (Jordan 9/22, also Prath 9/16, Levison 9/28)

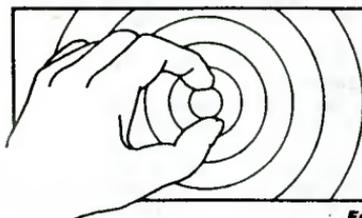
9685 LITHUANIA R Vilinuis, *2159-2203 EG, IS, W w/ID, M w/nx; f (Bobb 9/17)

- 9690 ARGENTINA R Nacional-RAE, 2330 SP, ID in sevl lang incl EG (Alcorn 10/7)
- 9690 ROMANIA R Bucharest, 1935-2000 EG, "Listener's Letterbox;" g (Dickson 9/30)
- 9690 USA VoA, 0200 EG, nx, "Focus" comprg coll.st. attitudes:now/'60s (Park 10/3)
- 9695 W.GERMANY RFE, 2132-2143 Hung, the arms race report (Nathanson 9/2)
- 9700 BULGARIA R Bulgaria, 2239 EG, tx on Socialism (Levison 9/14)
- 9700 N.KOREA R Pyongyang FS, 1100 SP, IS, ID: "Aqui R P-," sked (Park 9/22)
- 9705 MEXICO RMI, 0007-0330 SP, ID, Lat. mx, tx (5 reporters)
- 9705 USA WRNO, 2315 EG, tx by P.Spurney abt World's Fair (Blanchette 9/28)
- 9715 ASCENSION I. BBC, 2002 EG, M w/wld nx, W host "24 Hours" (Park 9/29)
- 9715 USA WRNO, 1250 EG, David Bowie, Led Zep. mx, s/off 1300, cont 11965 (Alcorn 10/7)
- 9725 SINGAPORE BBC, 0937 EG, "Studio 85" w/profile Eddy Grant (Park 9/22)
- 9725 SWAZILAND TWR, 0500 EG, ID, "Back to the bible", ment show's 35th aniv (Park 9/27)
- 9725 USSR RM WS, 1727 EG, "Nx & Views," "Folk Box" w/L.Dimova on Latvia (Park 9/20)
- 9740 SINGAPORE BBC, 0915 EG, "Waveguide," "Good Books" (Park 9/17) 1323-1331 EG, nx abt Kampuchea, Iran.airliner hijack.to Bahrain (Enkenhus 9/8)
- 9745 IRAQ R Baghdad, 2120-2130+ AR, OM into wails and chants backed by Arab wood-winds & percussions, poss.ID at 2130 b/not audible past 2130 (Jordan 9/27)
- 9750 N.KOREA R Pyongyang, 1207-1248* EG, W w/nx, 1209 ID, tx downplaying S.Korean economy, 1230 ID, "R Magazine" pgm, ID & NA at s/off; g (Enkenhus 9/16)
- 9755 CANADA RCI, 2315-2330 EG, tx abt CAN satelites, GH w/DX nx (Dillon 9/23)
- 9770 AUSTRALIA RA, 1135-1200 EG, sports rndup, rk mx, nx //9580,5995 (Benner 8/19)
- 9770 AUSTRALIA R Melbourne (ABC? -ed.) 1230 EG, nx bulletin, mx (Hunt 10/7)
- 9770 UKOGBANI BBC, 1857 RS, 4-note IS, ID, nx; jammed fr 1905; f-p (Park 9/9)
- 9805 EGYPT R Cairo, 2140 EG, nx items fold. by EG public opinion (Alcorn 9/29)
- 9820nf CHINA R Beijing, *1200-1300* EG, M&W ancrs w/rpt on 35th aniv of Nat'l Day incl taped hilites of actl on-air covrg; cmntry on floats reflectg agr., industr, space & sports progress; historical retrospective (Jordan 10/1) RB also logged by... (McLenore, Bolland)
- 9840 KUWAIT RK, 2035 AR, AR mx w/W singer (Blanchette 9/19) 2130-2217 Lovely AA vcls w/orch., mx to 2213 (Dillon 9/23) 0225 lang, IS 0225; wk sig (Vadino 9/8)
- 9865 GREECE Vo Athens, 0133-0147* EG, nx, 0139 ID, rptd in GK at s/off (Enkenhus 9/21)
- 9870 SAUDI ARABIA Riyadh/Jeddah, 2033-2100 AR, tx, ID, mx, lute IS (Enkenhus 9/8)
- 9890 LYBIA SPLAUBC, 2230-2303 AR, M tx ment Wash DC, 2253 mx briefly, 2301 ID in EG (Bolland 9/8)
- 9890 LYBIA Vo Great Homeland, Vo People's Revltn, 0230 AR, end Qaddafi speech, ID, "Bonanza" theme, tx by M/W; f (Dillon 9/9)
- 9945 CHINA R Beijing, 2143-2155 Hung; the CH wall was discussed (Nathanson 9/2)
- 9977 N.KOREA R Pyongyang, *1100-1247* EG, tx of coal miner's industry, ftr on "A Happy Coal Miner's Family," 1245 ID, freqs, NA; cmts on N.K. reltns w/S.K., mx, anti-JP songs (Dillon, Enkenhus, and Green 10/4)
- 10040 VIETNAM Vo V, 1800-1815 EG, s/on, freq anc, march, nx (McKellar 9/28)
- 10900 HOLLAND R Neth., 0230 EG (A test freq?) Gen. info pgm (Hunt 9/20)
- 11505 CHINA CPBS II, 0645 CH, Performance of a CH opera (Park 9/17)
- 11575 CHINA R Beijing FS, 0045 SP, cultural pgm; p (Park 9/24)
- 11583v ISRAEL Kol I, 1800-1815 EG, nx, cnt //13720,9420 (Zilmer 9/18) 1902-1935 HB, W into anmts, stn adr, tele#, folk mx (Jordan 9/19)
- 11585 ISRAEL Reshebet, 2022-2100 HB, march mx, ID, signal good (Trotto 9/23)
- 11620 INDIA All India R, 1950-2010 EG, Indian mx to 2000, ID and wld nx by YL; g (Cobb 9/27) 2111-2143 EG, 2120 ID, pgm Eternal India tracing history in Punjab rgn w/5 rivers; f (Enkenhus 9/21) 2216 EG, "R Nxeel" (Feeley 9/17)
- 11645 GREECE Vo G, 0130- EG, wld nx (Dickson 8/9)
- 11655 ISRAEL Kol I, 2250 EG, "DX Corner" (Feeley 9/9) 0100- EG, IS, TP's, "Mosaic" w/ftr abt Int'l Conf.on Alcoholism held in ISR (Dillon 9/24)
- 11660 AUSTRIA Austrian R, 1835-1855* EG, nx, lcl weather, letters (Alcorn 10/8)
- 11670 BRAZIL Nacional R Brasilia, 0200 PT, mx, nx (Hunt 9/22)
- 11670 FR.GUIANA RFI, 0315-0330 EG bc betw FR bcsts, nx, sched (Hunt, Hart, Jordan)
- 11690 SIBERIA Radiostantsiya Tikhyy Okean, 1835 RS/EG, "Panorama" w/M&W; IDs at 1845,1855: "Vo R.T.O." EG cmntry 1855 //11705 (Park 9/29)

Okay, okay, so I repeated a few stations logged last month; so go ahead, make me listen to a broadcast of Radiostantsiya Tikhyy Okean. I can take the punishment.

Some closing notes. The following English broadcasts I logged in October:
 R Kiev 7195 at 0300, R Sofia 7115 at 0400, Spanish Foreign Radio 6065 at 0500, and again at 0530 on frequency 9630. United Nations Radio on 9680 at 0815 is a "new find," I believe. Also at 0800 there is "CFRB" (Toronto) on 6070. And this final one is tentative for now, but R Prague has a weekday 15-minute broadcast to the UK at 0530 on 6055. THAT will about do it. Pinch-hitting was fun. You're applauding in unison, am I right?

6(Day) SRO



LOG REPORT

section D

11700 and above

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

- 11700 VATICAN CITY RV Latin rosary at 1950, f, //9620 (Wood 10/1)
- 11700 DOMINICAN REPUBLIC R. Earth via R. Clarin in EG 0300-0400*, ad for DX'ers directory, promos, call-in show, ID (Rigas 10/3, Trotto 10/7, McLemore 9/29) R. Clarin in SP 2115-0300, frequent ID's (McKellar 9/25, Feeley 9/12, Broillette 9/29)
- 11700 INDONESIA RRI in IN 2200, nx, also //11770 at 0700 (Wood 10/3) 1400-1600+ in IN, ID, pop mx (Park 9/27, Sharpe 10/2)
- 11705 JAPAN RJ in EG 2015 to ME, N Afr, nx, 2045* for EG, g (Wood 10/1)
- 11705 AUSTRIA ORF in SP 2300, IS at s/on, nx, cmntry (Prath 9/19)
- 11705 FRANCE RFI w/nx in EG at 1630 (Field 9/22)
- 11715 INDIA AIR in EG 0015, instrumental mx, nx 0100, g, 0115* (Wood 10/2)
- 11715 GUAM KWTR in CH after 2200 s/on, IS, relig pgm, g (Wood 10/1)
- 11720 LIBERIA VOA Relay in EG at 0339, "Daybreak Africa" (Trotto, 10/4)
- 11730 SWITZERLAND Red Cross Radio in SP *0000-0020*, nx, ID (Swaringen)
- 11735 MADAGASCAR R. Nederlands relay in EG 1500-1520*, ID, g (Trotto 10/3)
- 11745 TAIWAN VOFC in JP at 2200, list of freqs, anthem, g (Wood 10/1)
- 11750 SINGAPORE BBC Relay 1500-1625, "Radio Newsreel", mx pgm, ID, cmntry on Polish towns (Sharpe 10/2, Gray 10/3)
- 11750 UNITED KINGDOM BBC in EG 2005-2030, world nx, ID (Dillon 9/23)
- 11760 AUSTRALIA RA in CH 0945-1000+, oriental mx, ID, QRN (Jordan 9/30)
- 11760 CUBA RHC in EG 0340+, world nx, cmntry on US mil aid (Dickson 9/8)
- 11760 VATICAN CITY VR in EG 2052-2100, tlk on Pope's travel (Trotto 10/7)
- 11765 WEST GERMANY DW in EG 0600, sked, Afro & rel mx, QRM (Park 9/30)
- 11770 YEMEN PDR Aden, nx rpt fr Moscow in Yemeni-accented AR, //6005, both sigs g, 1630 (Wood 10/2)
- 11780 USSR RM in EG 0230-0300, tlk about repression of unions in U.S., slight QRM (Dickson 9/12)
- 11780 BRAZIL R.N. de Amazonia in PT 0055-0130, call-in mx pgm, ID, lively LA mx and songs, ID (Hawk 9/17, Dickson 8/31)
- 11790 ALASKA KNLS in RS 1545, sermon, "Slava Bogu" (Praise God) (Wood)
- 11800t AUSTRALIA RA in JP 0955-1005, oriental mx, no ID (Jordan 9/30)
- 11800 ITALY RAI in EG 0130, IS, ID, nx, f (Woods 9/12)
- 11805 USSR RM (Tbilisi possible site) 0515-0600 in RS, ponderous baritone, orch mx sels, IS 0530, nx, more mx, f (Jordan 10/4)
- 11810 SOUTH KOREA RK in EG 0145, freqs & time sked, nx (Zilmer 9/30), in SP 0100, skeds, ID (Park 9/24), in KR 1720, ID, nx (Wood 10/1)
- 11810 VATICAN CITY VR in EG 1545, Afr svce, nx, p (Daly 9/29)
- 11810 ROMANIA R. Bucharest in RM 2010, nx?, rock mx, local mx (Levison)
- 11815 NETHERLANDS ANTILLES TWR in EG 1230-1300, relig pgm (Bonnet 9/23)
- 11815 GABON Voice of the Gospel in EG/vern 1715-1755, frequent ID's, drums, tlk, organ mx, s/off in EG after vern pgm (Alcorn 10/8)
- 11820 ASCENSION ISLAND BBC in SP 0116-0235+, mx, nx (Hawk, Dickson 9/29)
- 11830 LIBERIA ELWA in FR, relig pgm, invite letters, f (Wood 10/1)
- 11830 USA VOA Bethany in SP *2346-0030*, interviews, mx, g (Wood 10/3)
- 11840 CUBA RHC R. Moscow via RHC in EG 1530-1550+, tlks, mx (Jordan 9/22) in EG 1120, "The Issue of the Day"-Israel v. Lebanon, ID (Gray)
- 11850 GUAM KTWR in VT *2200, relig pgm, kids choir, g (Wood 10/1)
- 11865 MONTSERRAT DW relay in PT 0038-0050, polit tlk, ID (Forsgren 9/25)
- 11870 PHILIPPINES FEBC in CH/EG 0720, ID, relig pgm, ARM (Park 9/21)
- 11880 SPAIN RNE in EG at 0000, nx (Green 9/30)
- 11895 AUSTRALIA RA in EG 0934, intl top hits, QRM jammer (Park 9/22)
- 11900 SOUTH AFRICA RSA in EG *2100-2115, IS, ID, "Africa Today" (Trotto)
- 11910t SWAZILAND TWR in EG 0552-0620, m w/Aussie accent reading a fable, "Bible Radio Class" 0600, hymns, sermon, ID garbled (Jordan 9/16)
- 11915 BRAZIL R. Gaucha in PT 0015-0030, mx, singing ID (Forsgren 9/25)
- 11920 IVORY COAST RTVI 0630-0723 in FR, Afr mx, casual discussions, mx, speech, spot ID's @ 12-13 min int (Jordan 9/28, Lynch 8/28)
- 11925nf USA WRNO in EG 2100, TC, ID, rock mx, wx, features (McLemore 9/28)
- 11935 NETHERLANDS RN in EG 1330, s/on w/nx to Asia, //17605 (Prath 9/20)
- 11940 SINGAPORE SBC in EG 1235-1507, ID, nx, wx, mx (McKellar, Park 9/29)

- 11940 GABON Africa No. 1 in FR 2100-2228, reggae w/M DJ, ID (Dillon 9/8)
(Hawk 9/14)
- 11945 SPAIN RNE in SP 0100-0125, nx, tlk re space pgms (Dickson 9/14)
- 11955 UNITED ARAB EMIRATES R. Dubai in AR 1715, nx, fanfare, //11730,
ARM from BBC Singapore (Wood 10/1)
- 11955 CANADA RCI in EG 1500-1530, CBC news "Sunday Morning" (Dillon 9/23)
- 11960 BULGARIA R. Sofia in EG 1900, Afr svce, mx, s/off 1929 (Daly 10/6)
- 11960 ECUADOR HCJB in SP 0215, special nx bcst about an airplane accident
in Quito (Brouillette 9/23)
- 11960 NEW ZEALAND RNZ in EG 1025, nx, mx to Pacific Islands (Feeley 9/20)
- 11965 PHILIPPINES VOA relay in CH 1300, strong sig (Daly 9/29)
- 12050 EGYPT R. Cairo in AR 2030-2105, orch mx, interview, ID at 2112,
(Dillon 9/23, Gray 10/3)
- 12050 USSR R. Moscow (FE) in EG 2125, "Soviet Way of Life" (Park 9/23)
- 13720 ISRAEL Kol Israel in EG 1800-1815, nx, cmntry, f (Zilmer 9/18)
- 15000 HAWAII WWVH 0045-0055 in EG, tlk about tropical storm, only on
dipole, WWV very faint in background (Dickson 9/15)
- 15010 VIETNAM VoV in JP 2210, patriotic mx, p, QRM (Park 9/23)
- 15040 CLANDESTINE V. of the Libyan People widely rptd throughout the
day entirely in AR, ID "Huna sawt ish-sha'abi il-Libi", anti-
Qaddafi speech, trumpet fanfare, AR mx, prayers & recitations
severe jamming at times (siren) (Forsgren 9/22, Dillon 9/8,
Wood 10/1, Daly 9/9, Valko 9/25, D'Angelo 9/22, Feeley 9/12,
Bolland 9/9, Sica 9/29)
- 15060 SAUDI ARABIA BSKSA in AR 1650-1700*, chanting, abrupt s/off 1700,
ID just prior to s/off as in WRTVH, vg (Forsgren 9/22)
- 15083 UNIDENTIFIED Clandestine? in AR 1550-1732, all tlks, 6 time ticks
w/the last one high at 1630, then ID, orch fanfare, more tlks,
march song, children praying. Mention of Iraq, Saudi Arabia, Islam.
All ID's beginning w/Idha'at, but rest unknown. Bad het. Cland-
estine on 15040 not hrd on this day (Valko 9/14)
- 15084 IRAN VOIRI in Farsi at 1320, interview, martial mx (Dillon 9/8)
- 15100 USSR R. Moscow in EG 2015+, nx & cmntry (Dickson 9/3)
- 15110 CZECHOSLOVAKIA R. Prague in Eg *1430-1445, IS, ID, nx (Trotto 9/14)
- 15120 VATICAN CITY RV in EG 2215-2226*, tlk on Islamic relig, IS, off
briefly at 2226, then on again @ 2230 in CH, g (Cobb 9/3)
- 15120 NIGERIA VON in EG 1802-1850, ID, nx, Afr hi-life mx, g until
Vatican s/on at 1830 (Cobb 9/16)
- 15125 SAIPAN KFBS in VT 2300, ID in EG, VT relig pgm (Park 9/22)
- 15135 BRAZIL R. Record in PT 2157, mx, ID, s/off 2200 (Field 9/23)
- 15145 USA WINB Red Lion, Pa. in EG/SP 2315-0000, Hawaiian mx, ID,
"Voice of Salvation" relig pgm (Muzyka 9/15, Wood 10/1)
- 15165 CHINA R. Beijing in EG 1725, live rpt from 35th anniversary
parade in Beijing, details on missiles, tanks, //11600 (Wood 10/1)
- 15165 DENMARK RD in DN *1355-1415, IS, opening ID in EG (Cobb 9/15)
also in EG 1855, IS, ID rptd several times (Alcorn 10/6)
- 15170 TAHITI RT Papeete in FR/TT 2325-0330, varied mx, phone-in pgm,
IS, US pops, island mx, ID in FR (Levison 9/20, Hawk 9/16,
Forsgren 9/22, Dickson 9/9, McKellar 9/16, Hart 9/2)
- 15180 FRANCE RFI in FR 0633-0635, ID, tlks, g (Nathanson 9/4)
- 15180 USSR R. Yerevan in AM/EG 0245, choral mx, ID, p (Park 9/23)
- 15180 USSR R. Kiev 2330-0300+ in EG, nx, cmntry, ID 0211 (Park 9/24,
Dickson 9/2 & 9/13)
- 15185 SOUTH AFRICA RSA 1750-1756* in GM, DX pgm, nx, ID, IS (Park 9/29,
1857-1905 in PT, IS, ID and opening ann in EG, nx in PT (Cobb 9/16)
- 15190 BRAZIL R. Inconfidencia in PT 2230-2315, nx, ID's (D'Angelo 9/30)
- 15200 FRENCH GUIANA (p) relay RFI in PT/SP/FR 2250-0030+, ID in FR,
nice mx, tlks, world nx, xmns directed to LAm, exc sigs rptd
(Alcorn 10/7, Jordan 9/29, Dickson 9/15)
- 15210 JAPAN RJ *2200 in EG, JP ID, into JP mx, //17755, g (Wood 10/3)
- 15215 ALGERIA R. Algiers 2012-2032 in EG, nx, ID & "It's time for music
on R. Algiers" followed by #1 record in Algeria, rock, top 40,
into SP at 2030 (D'Angelo 9/15)
- 15220 SOUTH AFRICA RSA 1200-1210 in FR, IS, ID, nx (Trotto 9/9),
also in EG 1330, "Yours and Mine" request show (Park 9/27)
- 15230 AUSTRALIA ABC in EG 0804, nx, wx forecast, instr mx (Park 9/17)
- 15235 UNITED KINGDOM BBC in AR 0415, nx, jammed by Iraqi bubbler (Wood)
- 15245 ZAIRE RZ w/mx of Africa at 0112, f/o 0127, not hrd since (Field 9/12)
- 15250 CHINA R. Beijing w/IS at *2300, pgm in unknown lang, p (Prath 9/17)
- 15260 WEST GERMANY DW in EG 0557, IS, ID, nx, //11765 (Park 9/22)

- 15260 CANADA RCI in EG 1815-1905, nx, SWL'ers Digest, tlk on British, American, and Canadian accents (Park 9/18, Witte 9/30)
- 15265 WEST GERMANY AFRTS via Munich in EG 1140-1200, discussion of drug raids in Italy, "Morning Edition", nx, wx (Jordan 10/4)
- 15265 USSR R. Moscow (FE) in EG 0438, light mx, "Musical Quiz" (Park 10/6)
- 15270 TAIWAN VOFC in EG 2211-2240*, tlk on international trade and northern Taiwan fishing industry, ID 2224, f (Enkenhus 9/7)
- 15270 BRAZIL R. Bras in EG 1830, elegiac tlk on winter in Brazil (Wood 10/1)
- 15290 BRAZIL RN de Brazil in EG 0200-0240, nx about Brazil, mx, tlks on fishing & agriculture (Dill 10/3, Dickson 9/13, Green 10/2) also in Sp 0150, cmntry on LAM political events (Brouillette 9/23)
- 15295 ECUADOR HCJB in JP at 2233, relig pgm, local QRM, p (Park 9/16)
- 15300 JAPAN R. Japan in EG 0019-0100, "Let's Practice Japanese", Asian news, cmntry (Daly 9/30, Brouillette 10/4, Levison 9/18)
- 15320 AUSTRALIA RA in EG 2243, "Australia Country Style" (Park 9/23); in EG 0015, current affairs tlk (Brouillette 10/4); 0150-0200 in FR, ID, mx, tlks (Reed 10/1, Jordan 9/22); into EG at 0200-0315+ nx, mx, tlks, powerful sig (Dickson 9/9)
- 15320 UNITED ARAB EMIRATES R. Dubai in EG 1600, mailbag pgm which runs every 2 wks, //15300, f-g (Daly 9/29)
- 15320 INDIA AIR in EG 1032, "Faithfully Yours", film mx, het QRM (Park 9/17)
- 15335 MOROCCO RTM in AR 2040-2100, mx, tlk, ID twice, "Huna Ribat" (Forsgren 9/22)
- 15340 CUBA RHC in SP 0045-0100, "Cuba Responde", contest (Dickson 8/24)
- 15345 ARGENTINA RAE in EG 0205-0246, nx, tlk about UK installation of nuclear weapons on Malvinas, sports, tangos, "Topics of Current Interest" (Dickson 8/10, 10/5, Dill 10/3, Enkenhus 9/22) also in SP 0305+ w/nx, political cmntry, local sig strength (Dickson 9/17)
- 15355 ASCENSION ISLAND BBC relay in EG 2200, ex-15250, nx, g (Wood 10/3)
- 15365 CANARY ISLANDS RN Espana relay in SP *2153-2220, IS, ID, Freq lists, classical mx, QRM WYFR (Hart 9/2, Trotto 9/14)
- 15365 USA WYFR Family Radio in EG 2201-2250, IS, hymn, "Family Radio Mailbag", instrumental mx, ID (Park 9/6, McKellar 9/6)
- 15375 SPAIN REE in EG 1930, nx by M w/British accent, g (Wood 10/1)
- 15375 SOUTH KOREA RK in GM 2136, pgm on KR instruments, ID, "SW Feedback", QRM WYFR, //15575, p (Park 9/22)
- 15385 CHINA R. Beijing in EG 0000-0215, world nx, tlks on 35th anniversary of Red China (Wood 10/2, Green 10/4, Dickson 9/4, 10/1)
- 15385 ITALY RAI in IT to Canada at *1830, ID, nx, sports, g (Wood 10/1)
- 15390 UNITED KINGDOM BBC "BBC Calling Falklands" in EG 2130-2200, tlks on several items of local interest to Falklands, vg (Jordan 9/14)
- 15400 FINLAND RF in EG 1100, tlk on USSR attacking Finnish security policy (Gray 9/17)*1300-1325* in EG, "Northern Report", rock mx, fashion in Finland, g (Benner 8/31) also in EG 1500-1515, various features (Alcorn 9/30, Dill 10/4)
- 15405 USSR R. Yerevan in AM/EG 0240-0257*, tlks, mid-east type mx, into EG at 0251, tlk on industrial & economic growth, f (Jordan 9/6)
- 15405 USSR R. Kiev in EG 2330-2350 (Jordan 9/22) also in EG 0200 (Park 9/23) skeds, nx, "Mailbag", IS, ID, cmntry on US nuclear policy.
- 15410 USA VOA Greenville in EG 1815, "Focus", QRM BBC (Park 10/5)
- 15410 AUSTRIA ORF in GM 0640-0647, classical mx, IS (Nathanson 9/4)
- 15415 LIBYA V. of the Great Homeland, V. of the People's Revolution, Qaddafi speech at 1725, ID, //9890, g (Wood 10/1)
- 15420sb SWEDEN RSI in SW 1741, relig pgm, ID, nx, pop mx (McLemore 9/19)
- 15435 SINGAPORE BBC relay in EG 2300, world nx, g (Wood 10/3)
- 15440 EAST GERMANY RBI in EG 1215, xmn to SE Asia, f (Daly 9/30)
- 15450 PHILIPPINES FEBC in EG 2331, nx, "Missions on the March" (Park 9/27)
- 15465 USSR R. Rodina in RS?AR 1358, end of Stanzia Rodina pgm, into R. Moscow, IS and s/on AR pgm w/"Huna Moscow (Prath 9/17)
- 15465 USSR RM via Vinnitsa in FR 1730-1750+, IS, ID, world nx, inter-view, QSB into QRM (Jordan 9/22)
- 15485 NEW ZEALAND RNZ in EG 1945, pop American mx, p (Park 9/29) also in EG 0315 w/radio play, a real whodunit (Gray 9/9)
- 15485 USSR RNWS via Simferopol in EG 1040-1100, "The Soviet Way of Life", ID, sports, tlk about nuclear war, piano mx (Dillon 9/7)
- 15545 USSR R. Orbita 2 in RS 0156, classical mx, pips, ID "Govorit Moskva" and organ IS, nx, QRM RTTY 15550 (Park 9/28)
- 15555 CLANDESTINE R. Vatan in Farsi 1750-1827*, speech, light mx, ID at 1800, many mentions of Iran & Khomeni, march mx (Jordan 9/22)

- 15560 MADAGASCAR R. Nederland relay in IN 1302, pop mx (Park 9/29)
 15565 SWITZERLAND SRI in PT 2325, current affairs disc (Brouillette 9/7)
 15590 BELGIUM BRT in DT 1700-1705, IS, nx, p (Trotto 9/25)
 15600 CHINA R. Beijing in CH 0347, off at 0355, then IS and back on at 0400, tlk by M (Vadino 9/11)
 15630nf GREECE VOG in GK/EG *1900-1930, IS, anthem, ID & anmts 1902, GK instrumental folk mx, local nx, into FR at 1930 (Jordan 9/22) (Zilmer 9/18) also in GK/EG 1515-1550*, non-stop GK mx (Dickson)
 17610 BELGIUM BRT in EG 1400-1415, nx, pgm on Science Fiction Conf in Belgium, rock mx, g (Benner 8/31)
 17630 ISRAEL KI in HB, nx, commercials, g (Lynch)
 17660 SPAIN REE in SP 1445, "Documento" pgm, nx (Dickson 9/3)
 17715 AUSTRALIA RA in EG 0115-0130, mx, f (Reed 10/2)
 17717 COLOMBIA R. Nacional in SP 2310, ID anncng 550 MW only, into classical mx, g (Berg 9/15)
 17730 USA VOA Bethany in EG 0030, slow speed nx & cmntry (Dickson 9/15)
 17740 CHINA R. Beijing in CH 0100-0115, tlk, //15600 (Reed 10/1)
 17745 ALGERIA in EG 2000-2015, nx, ID, rock mx, f (Benner 9/3)
 17745 ECUADOR HCJB in PT to Brazil 0100, //15295, g (Wood 10/2)
 17755 SURINAM RSI at 1420 (no lang given but presumed EG) with IS & ID at 1430, into pgming, mostly tlk, frequent ID's, full broad-casting sked interspersed into pgming; audio not fully broadcast quality. S/off at 1523 w/anthem (Berg 9/23); also rptd in DT 1430-1502, organ IS, nx and cultural items, reported to be pgm for xmn to Europe (Cunningham 9/23) NOTE: Both reporters indicate that this service is via Radiobras, Brazil.
 17760 USSR R. Moscow NA service in EG 2300, band mx, pgm review, tlks on militarization of space, QRM R. Japan 17755 (Park 10/1)
 17765 MEXICO RMI in SP 2158, ID at 2159 s/on, female vocalist (Jones 9/9)
 17795 FRANCE RFI in FR 0125-0140, ID 0130, tlk, barely hrd (Reed 10/1)
 17795 CUBA RHC in Quecha 2230-2245, M DJ w/nice mx pgm, f-p (Brouillette)
 17795 NETHERLANDS RN in EG 0230, cmntry on world debt problems in SAM; ID at 0233, exc sig (Gray 9/14)
 17800 FINLAND RF in EG 1205, nx, //15400 (Prath 9/22)
 17800 KIGALI DW relay in EG 1315, nx in FR (Levison 9/18)
 17815 BRAZIL R. Cultura 2300-2355 in PT, ID, sambas, political speech, ID, into pgm of mellow pop mx (Wood 10/3, Forsgren 9/24)
 17860 USSR R. Vilnius (presumed via Khabarovsk xmtr site) in EG 2301, pgm review, "Newsdesk", "The World Today & Tomorrow" (Park 10/8)
 17860 SWEDEN RSI in EG 1415, tlk about stamps, polka mx (Dickson 9/3)
 17880 ASCENSION ISLAND BBC relay 1615-1745* in EG, "Sporting Life", ID, political nx of Kenya (Trotto 10/1, Gray 9/4)
 17890 TAIWAN VOFC in EG 0100, anthem, request rpts, g (Wood 10/2)
 17940 LIBYA SPLAJBC in AR 1455, nx on Beirut, camel mx (Gray 9/8)
 21625 PHILIPPINES VOA relay *0657 in RS, IS, ID in RS & EG, nx (Park 9/11)
 21645sb SWEDEN RSI in SW, hrd earlier on 21555 (1630), g (Lynch 9/2)
 21690 ITALY RAI in IT *1700-1710, IS, ID, nx, f (Trotto 9/20)
 21695 JAPAN RJ in EG 1514, nx and cmntry on S. Africa's apartheid policy (Feeley 9/30)
 25790 SOUTH AFRICA RSA afternoon UTC pgm to Europe. This one is a good guinea pig for testing high freq band propagation during summer months and early fall, esp for European DX'ers (Lynch 9/2)

 There were 340 loggings received for Log D section this month. Therefore, in order to provide sufficient space for the other Log sections, I continued the practice of omitting reports covered in the previous (October) issue. Please see last month's FRENEX for a total update. Best regards and thanks to all contributors.

LOG FRENEX REPORTERS

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Sam ALCORN, Maplewood, NJ (DX-200); Brian ALEXANDER, Mechancisburg, PA; Dave BENNER, New Haven, IN (RF-4800); Marion BLANCHETTE, Thonotosassa, FL (R-600, DX-100); Norman BOBB, Minneapolis, MN (R-600, CR-2021); Charles BOLLARD, Lake Worth, FL (R-70; FRG-7000); Arthur BONNET, West Lafayette, IN (DX-400); Paul BROUILLETTE, Schaumburg, IL (DX-160); Ken COBB, Portland, ME (RF-4900, CR-2021); Larry CUNNINGHAM, Columbus, OH; Thomas DALY, Pomona, NY (FRG-7700); Richard D'ANGELO, Wyomissing, PA (R-70); Richard DICKSON, Goshen, OH (DX-302); Barbara Ann DILL, St. Mary's, PA (RF-2200); Peter DILLON, Washington, DC (Zenith 300, DX-400); Kurt ENKENHAUS, Silver Spring, MD (NRD-515); Jim FEELEY, Norcross, GA (R-2000); Marlin FIELD, Hillsdale, MI (SX-100, SPR-4); Ray FORSGREN, Chippewa Falls, WI (FRG-7000); Tom GAVARAS, Minnetonka, MN (R-70); Jerry GREEN, Maryville, TN (FRG-7700); Bob GUNDERSEN, Northfield, MN (R-1000); Greg HART, Live Oak, FL (CR-2021); Michael HAWK, Hampton, VA (ICF-6800W); Ron HOWARD, Santa Barbara, CA (R-71A) Billy HUNT, Durham, NC (NRD-515); Brian JONES, Houston, TX (R-70); Rufus JORDAN, Pittsburgh, PA (DX-302); Harold LEVINSON, Philadelphia, PA (R-70); Derek LYNCH, Mullingar, IRELAND; Bob MCCOY, Lincoln, NE (RF-2200); John MCKELIAR, Chino, CA (DX-160); Travis MCLEMORE, Clearwater, FL (FRG-7); Gene MACK, Jacksonville, FL (R-71A); John J. MORITZ, Jr., Youngstown, OH; Bill MUZYKA, Woodside, NY (RF-4900); Frank NATHANSON, ISRAEL (R-70); Nick PAPPAS, Orlando, FL (SPR-4); Dale PARK, Honolulu, HI (ICF-6700W); Sheryl PASZKIEWICZ, Manitowoc, WI (DX-302, DX-400); Neal PERDUE, Falkville, AL (R-4B); Wilder PICKARD, Evanston, IL (R-7); John PRATH, Ft. Lauderdale, FL (R-71A); Stewart REED, Baton Rouge, LA (R-70); Steve REINSTEIN, Mirimar, FL (R-70); Christos RIGAS, Chicago, IL (R-2000); Louis SICA, Flanders, NJ (R-71A); Bryan SHARPE, Castro Valley, CA (DX-302); David SWARINGEN, Huntersville, NC (R-70); Ron TROTTO, St. Cloud, FL (CR-2021); Pete TUTAK, Jersey City, NJ (R-70, HQ180A); George VADINO, Bellevue, WA (RF-4800); Dave VALKO, Dunlo, PA (R-388, FRG-7); Don VEST, Pueblo, CO (SSR-1); Marge WITTE, Torrance, CA; Eric WITZIG, Annandale, VA (R-1000); Robert WOODS, Front Royal, VA (RF-4900); Robert ZILMER, Rio Rancho, NM (R-1000, ICF5900W).

Well, another nice turnout as the season gets into full swing. Note a lot of folks with the Uniden CR-2021, which, at the sale price of less than \$100. from several major mail order suppliers has got to be one of the best values in equipment today. Thanks to the majority of folks who cut their loggings apart, to those who don't please have sympathy on my beated, battered and blistered fingers.

AWARDS NEWS*****

In answer to several queries, Antarctica is not needed for the QRP Award. The other 6 continents meet the requirement. Also, since NASWA is SWBC only, all QSLs must be for SWBC stations, UTES, MW, LW stations are not eligible. We've got a couple of new Awards coming, hopefully full info will be available next month. Might I suggest that you start work on the Time Stations and Australian Regionals to get a head start. We welcome any and all suggestions for new Awards. Keep in mind that the requirements can't be too simple, nor should they be virtually impossible. With one exception (and we're working on that) any NASWA AWARD is attainable in a reasonable amount of DXing time. No one ever said they are easy, but nt impossible either.

Take care until next time.

BEST,


HAP CHRISTMAS SPECIAL: The following stickers/decals are \$.25 each or any 5 for \$1.00; however, while the supply lasts and until the bump on my head heals, all orders over \$5.00 can select 7 stickers for \$1.00! Nice gift to send with reception reports. The list is long - here we go... WNBC, CFTI, ORF, WQMR, WMAL, WLLZ, KCFM, WDR-TV, WIBA, SRI, 2YB, WBWA, KL0L, WQYK (large) (small), BRT (c/r) (silver), WDR, 4X0, WYXX, KF0U, WAZU, Deutsche Welle (red) (blue) (white) (green), Radio Derby, CKLG, KQUE, WBSC, FM-105, KNUZ, KGFV, KPFT, KRLA, WAQY, WCAU, KILT, KRNY, KNPA (large) (small), M-102, WFLW, KLOS (Too Hip) (Yes) (Yes-3) (Party Animal), WMET (large) (small), RCI, WTMJ, WHFI, KIKK, KGOL, M-102, KRBE, WJNC, WQMF, WLPX, ANARC (large) (small), WHGR, WLUP, WNYR, WBLN, WOOS, KLVL (large) (small), TV-20, WMYX, WAAX, WAYL, WPRE, KHAR, WCUB, WRNO, CHOO, CKCK, CFNC, CWKS, 2WD, WFMK, WGLB (gold) (silver), WYFR, WRCC, WRSV, KBDF, 96-Rock, WECK, KISS, WGST, Radio Peking (green) (m/c) (blue) (black), WCY, Metro Radio, Radio Nederland, CFAX, Radio Vatican (pope) (semi-c/r) (square) (pennant) (large), KBOL, BBC Radio 2, Radio Hallam, Radio Shetlands (green) (blue), 4MK, ARD-ZDF, Berlin Radio, Canale 5, Telecom-83, KGB, Sea Gull Radio, CFUN, RNE, Polskie Radio, Radio Highlands, Radio London, City-TV, RMI, RBI-DX Club, 4XD, Radio Caroline (black) (white), 2CH, Radio El Mundo, KAIM, Radio West, RFI (large) (blue) (red) (c/r), Radio 270, WQFM, KDKD, WNNR, WINS, Signal Radio, Radio Bucharest, Radio Superstar, RTE 2, RBI (large) (gold) (silver), Telecom-Geneve, DC-101, 101, Radio Newcastle, Radio Nottingham, BBC Radio 1, Radio Polonia, KR01 (large) (small), KWK, KBBX, CFMO, WMR, WDAE, Radio Bristol, Radio Rhema, KOME, KPNW, Radio Forth, Radio Victory, CFRA (red) (orange), KPLU, WPLJ, K-94, WRIF, WDR (rock), Radio Orkney, KRQR, Radio Maddalena, GDXC, Radio Freedom, Amica Radio, VOFC (square) (pennant), Radio Kelly, Radio Musicallcity, WIBV, BBC Radio One, Radio 210 (large) (small) KROY (large) (small), WMMS, KWWR, WEMP, Disco-99, MTV, KZZB, 97-Rock, KYKR, KHYS, KSYD, Radio Corsico and CWTV.

ADDITIONAL DIRECT SALE ITEMS: The following items are for sale at the quoted prices: WMMR book covers \$.25; KLVI-TV and WWWE litter bags at \$.50 each; KB01 paper hat at \$.25; Radio Vatican calendar \$.50 (large) or \$.25 (small); Radio Vatican QSL cards at \$.25 each from (Cupola) (Palazzo) (Basilica) (Popes) (Microphone); CBC SW-ONT litter bag at \$.50; metal badges at \$.25 each from MTV, WMRR, WLPX, Antenna, ARRL or WMET (yellow) (dark yellow); Devon County QSL cards at \$.25; Radio Peking and RBI book markers at \$.25; Radio Nederland address book at \$.25; KIRO-FM card at \$.25; WPLJ ID card at \$.25; RCI QSL cards from (WARC) (35th) (RCI) (Cartier) (Globe) (Council) (McLuhan) and from Radio Japan (Center) (Parade) (KDD) at \$.25 each; VOA book marker \$.25; RBI litter bag at \$.25; Radio Budapest QSL card at \$.25; Radio Budapest time chart at \$.25; Radio Veritas calendar at \$.50 and BBC-WS poster at \$.25.

ADDRESS: Send your bids and orders for direct sale items to: Sam Barto, 47 Prospect Place, Bristol, CT. USA 06010. Overseas - please minimum order of at least \$3.00.

HAP BID ITEMS: ITEM #90: Netherlands World Broadcasting - over 100 pages of photos and information on broadcasting in Holland from the beginning - a must! #91: KMET cloth hat, m/c. #92: HRVC cloth pennant (6x10") blue, B&W. #93 through 99 are Spanish provincial pennants. #93: "Altafulla" paper pennant w/ Mediterraneo on reverse (6.5x11") m/c. #94: "Salou" paper pennant w/ Mediterraneo on reverse (6.5x11") m/c. #95: "Piedra" paper pennant (6.5x11") m/c. #96: "Altea" paper pennant (6.5x11") m/c. #97: "Teruel" paper pennant (6.5x11") m/c. #98: "Rapita" paper pennant (6.5x11") m/c. #99: "Poblet" paper pennant w/ Mediterraneo on reverse (6.5x11") m/c... #93-99 are plastic covered. #100: Radio 210 (UK) pencil, red, gold. #101: Radio Vatican pen, gold, black. #102: Radio Polonia sticker (2.5" c/r) m/c. #103: Radio Polonia sticker (reflective) (3x3") m/c. #104: CKIS sticker (5x7") red, B&W. #105: Radio Hauraki (NZ) reflective sticker (5x8") m/c - beautiful! #106: Radio Budapest cloth pennant (4x6") m/c. #107: Voice of Hope (AWR) cloth pennant (4x7.5") gray, blue, white - rare! #108: RBI (DDR) large cloth calendar, m/c - nice! #109: WBSS T-Shirt (XL) m/c. #110: REE (Spain) cloth pennant (4.5x8") m/c. #111: Radio Polonia cloth pennant w/ tassel (4.5x9") red, white - beautiful! #112: RAE (Argentina) paper pennant (4x8.5") m/c. #113: Radio Vatican First Day Cover w/ stamp (4x7") m/c. #114: CFAM pen, blue, white. #115: Radio Korea paper pennant w/ different design on reverse (4x8.5") m/c. #116: KLEF large magazine, m/c. #117: 4GG (Australia) sticker (7.5" c/r) m/c. #118: King of Hope (Free Lebanon) sticker (3x9") yellow, B&W. #119: Radio Macarena (Colombia) reflective sticker (2x4.5") m/c - nice! #120: CBC metal badge, gold, black. #121: Beacon Radio (UK) metal badge (1.5" c/r) red, white, blue. #122: WOMC metal badge (3" c/r) red, B&W. #123: KATT metal badge (1" c/r) m/c. #124: Voice of Asia (Taiwan) pin, m/c. #125: 6WF (Australia) cloth arm patch (2x3") white, blue, orange. #126: Radio San Marino sticker (3.5x4") m/c - rare! #127: Voice of Scotland cloth flag (1.5x2") blue, white - rare! #128: RBI pin, blue, white. #129: ORF (Austria) pin, red, white. #130: Radio Nottingham (UK) large diary (6x8") gold, white. #131: KSYD large news paper, m/c. #132: KLVI pot holder (6x6") very nice - m/c. #133: KTRH "Houston Oilers" sticker (3.5x5") m/c. #134: KLVI sticker (3.5x12") m/c. #135: KTRM Dallas Cowboys reflective sticker (3.5x5") silver, blue, white. #136: WGGB-TV cloth pennant (4x9") B&W - rare! #137: KBUB sticker (3x11") tan, brown. #138: Deutsche Welle sticker (4x4") in EG, m/c. #139: Deutsche Welle sticker in SP (4x4") m/c. #140: KGEL paper pennant "XX" Anniversary (6x9") yellow, gold, blue. #141: Northsound Radio (UK) sticker, red, B&W. #142: JOFF (Okinawa) sticker (1x1.5") green, black - rare! #143: JOFF sticker (1x4") m/c - rare! #144: ORF sticker in SP (4x5") red, B&W. #145: Red Rose Radio decal (5x5") m/c. #146: Radio Koper-Capodistria (Yugoslavia) sticker (2.5x3") m/c. #147: WNOR sticker (3x11") m/c. #148: Radio Clube Paranaense (Brasil) sticker (2x2") m/c. #149: Radio Manchester (UK) large litter bag, m/c. #150: Voice of Tomorrow QSL card (3x5") B&W. #151: Radio Flyer 96 (Italy) sticker (3x6") m/c. #152: KATI decal (5x6") m/c. #153: VOA sticker (3" c/r) red, white, blue. #154: WFLA sticker (3x8.5") m/c. #155: Radio Polonia QSL card (4x6") m/c. #156: Northsound Radio DJ card (4x6") B&W. #157: HSM metal badge (1.5" c/r) red, white, blue. #158: RBI plastic badge (2x2") m/c. #159: KNUI (Hawaii) sticker (4x7") red, white... Hope you like this selection... Sam.

NORTH AMERICAN SHORTWAVE ASSOCIATION

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Update: Besides FRENEX, NASWA also publishes UPDATE..... a mid month newsletter with the very latest DX news while it's still news. (UPDATE also appears in each issue of FRENEX). It is only available to NASWA members.

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