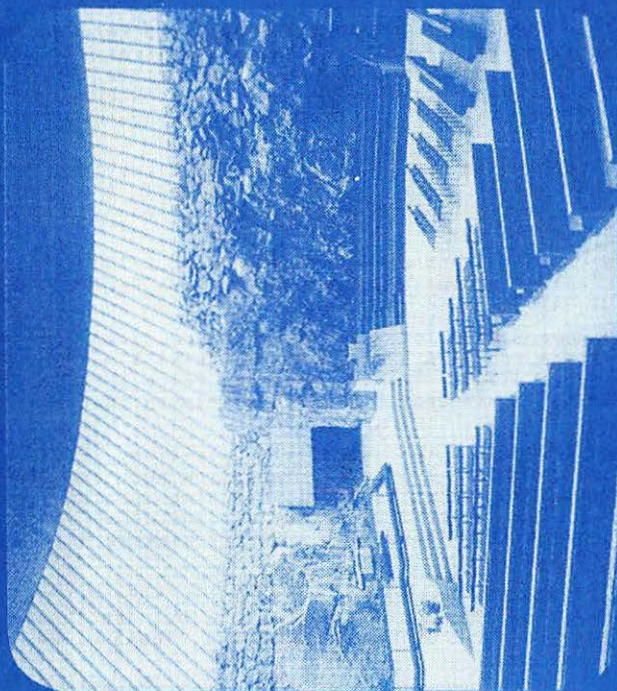


FRENDX

FINNISH ARCHITECTURE



Taivassalo Church -- carved inside a rock, and constructed of Finnish copper, glass, wood and granite. Completed 1969.



SUOMEN YLEISRADION
ULKOMAANLÄHETYKSET

THE EXTERNAL SERVICE OF THE
FINNISH BROADCASTING COMPANY

OY YLEISRADIO AB

Finnish Broadcasting Co., External Service, Box 10, 00241 Helsinki 24, Finland

MARCH 1984

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Drake R-7 in excellent condition with 6, 4, 2.3, and 1.9 filters and original carton, dust cover and manual. Bought new in 1981, but hardly used. A bargain at \$950.00 including UPS shipping. Alan Plotnick, 77 Woodlawn Street, Hamden CT. 06517. Phone (203) 281-3915 evenings after 0200 GMT.

FOR SALE: A complete listing of 1983 North American pirate activity is available from Keith Thibodeaux. This listing of over 300 broadcasts is provided in four different formats: alphabetically, chronologically, by frequency and by time. All four listings combined are available for \$3.00 from Keith Thibodeaux, 9525 Woodbine Drive, Baton Rouge, LA 70815-4267.

FOR SALE: Drake R-4B in nice condition with 10 SWBC crystals, extra tubes and Sartori AM modification kit (not installed). A superb receiver for \$275.00. John C. Herkimer, 3233 East Avenue, Caledonia, NY 14423. Phone (716) 538-2582 evenings.

WANTED: Correspondence with anyone owning a Kenwood R-300. I'm looking for some tips for better reception. Alan Aerts, 1385 Pacific Avenue, Salt Lake City, UT 84104.

FOR SALE: MU-7700 memory unit for Yaesu FRG-7700 receiver. Price \$100.00 or best offer or trade for ?. ALSO: AEA MBA-RO CW-RTTY reader with power supply, stand, and books. Mint condition. Price \$210.00. I will pay shipping on these items. Jeff Elvis, 5856 Chapman, Garden Grove, CA 92645.

FOR SALE: Modified RGF-7 with two selectivity positions, 3 kHz ceramic or 2.9 kHz mechanical filter, switchable fast/slow AGC, excellent condition and in original carton with manual. Matching speaker and outboard digita; readout included. Price \$290.00 for all including UPS and insurance in 48 contiguous states. Gene Nix, 428A Prairieview Drive, Gillette, WY 82716. Phone (307) 682-2623.

WANTED: MFS-1040, Yaesu SP-10 speaker, 1983 WRTVH. FOR SALE: SP-600 with Hallicrafter bass reflex speaker. Operates well, but needs some work. Price \$150.00. Arden Evenson, 2803 West Rockwell, Spokane, WA 99205. Phone (509) 327-1633.

WANTED TO BUY: 1978-1979-1980 issues of Radio Shack General Catalogs. E.E. Dye, P.O. Box 581, Russellville, AR 72801.

FOR SALE: Panasonic RF-4900, brand new. I bought distributor's last two and need to sell one of them. Never been used except for check-out. First \$275.00 buys it. I'll pay UPS. Don't miss out on this one/ Jim Thornton, P.O. Box 3607 C.R.S., Johnson City, TN 37601. Phone (615) 926-0049.

FOR SALE: Drake R-7 receiver modified by Radio West with 6, 4, 2.3, and 1.8 kHz filters, noise blanker, and AUX-7 modules for most SWL bands (you don't have to use the up/down button so much). Used only four months and has both owner's and repair manuals. Best offer over \$1199.00. ALSO: KS preselector and Palomar VLF converter (VLF to 4.0-4.5 MHz), \$50.00 each shipped UPS. Dave Maxfield, 2217 Manchester Road, Ann Arbor, MI 48104. Phone (313) 971-6573 only between 0000 and 0030 GMT.

NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION 45 WILDFLOWER ROAD, LEVITTOWN PA 19057

EDITOR NEEDED

Because of the combined pressure of work and school, Brett Saylor is no longer able to edit Log Report "D". Any NASWA member who feels that he or she would like to compile this monthly column is invited to apply for the position by writing to NASWA Headquarters, 45 Wildflower Road, Levittown, PA 19057 or calling (215) 945-0543.

HERKIMER, BERG ELECTED

A rather tight vote in the NASWA Executive Council member election found John C. Herkimer and Jerry Berg elected to the two vacant positions. Less than 100 members cast votes, and we can only assume that the NASWA membership felt that any two of the candidates would do a fine job. Congratulations to John and Jerry.

THE CLANDESTINE CONFIDENTIAL NEWSLETTER

A new publication devoted to clandestine stations and programs is being put out six times a year by Gerry Dexter, NASWA member and Popular Communications columnist. C-C-N is designed to keep you up-to-date with the latest frequency and schedule information, monitoring data, background information, addresses, and features on old and new stations, and will serve as a continuing updater to the new book "Clandestine Confidential" being published by Universal Electronics. Subscriptions to C-C-N are \$10.00 per year in North America, \$13.00 overseas, payable in cash, check, or money order. Please write to C-C-N, Gerry L. Dexter, RR 4, Box 110, Lake Geneva, WI 53147, U.S.A.

ASSISTANCE FOR BEGINNERS

A very nice note from E.E. Dye suggests that I reprint the kind offer of John W. Creamer to assist beginning SWL's and DXers to get the most from their equipment. John is a veteran radio buff and he has a standing offer of help with equipment and antenna problems for any NASWA member. If you have any such problems or questions, please write to John W. Creamer, 670, South Canosa Court, Denver, CO 80219.

WHITE'S RADIO LOG

D. L. Gabree of Worldwide Publications informs us that the new edition of White's Radio Log is now in full production. He estimates that there are well over 1,000 changes and/or corrections in the Log since the last update which appeared in the 1981 issue of the now defunct "Communications World". Copies of the new edition (Volume 1) are now available, primarily by mail-order, for \$4.95 plus \$1.00 postage and handling in the U.S.A., Canada and Mexico. In other countries the cost is \$5.95 per copy plus shipping costs in U.S. funds only. Write to Worldwide Publications, Inc., P.O. Box 5206, North Branch, NJ 08876.

NRC PUBLICATIONS

The National Radio Club announces the publication of two manuals on antenna design. The first is "Beverage and Longwire Antennas: Design and Theory" and the second is "Loop Antenna: Design and Theory". These manuals are compilations of numerous articles on the subjects which have appeared in the NRC's "DX News". Price is \$2.50 in the U.S. and Canada. Readers in other countries should inquire first before ordering. The address is: NRC Publications Center, P.O. Box 164, Mannsville, NY 13661.

Shortwave Center

March 1984

Editor: John C. Herklimer, 3233 East Avenue, Caledonia, NY 14423

Did you ever want your own radio shack? Not just a corner of a bedroom, or the kitchen table, but a separate room in your house or apartment exclusively for DXing? After 4 years here, I decided to do it and the renovations have begun...my hobby things in boxes along the wall, jury-rigged antenna, dust from drywall finishing everywhere and general chaos. For those who have written, bear with me! And thanks for the Executive Council nod. Much appreciated.

INTERVIEW

THE SHORTWAVE CENTER INTERVIEW: GERRY DEXTER

A week or so ago I was reading our daily paper and I came upon a quotation that struck me: "Some men meet standards and other men set them". I doubt the author was a DXer, but if he was the latter would surely fit GERRY DEXTER.

No real DXer can claim that he hasn't, at some time, benefitted from the insight that only a hobby veteran can provide. The help and encouragement is beyond words--tipping you off to those rare openings, patiently answering your endless stream of questions, discreetly helping you with those rough spots--but I think you know what I'm getting at. For me, the single, biggest influence on my DXing has been Gerry.

You might know him as author of "The QSL Address Book", currently available from Gilfer Shortwave (P.O. Box 239, 52 Park Avenue, Park Ridge, NJ 07656) or perhaps through his monthly column and in-depth articles for "Popular Communications" magazine. Others still recognize his name as one of the best the hobby has produced, collecting those veries that most of us can only dream of.

If I listed every question I ever asked Ger it would probably fill volumes. Instead, he agreed to answer a few questions for the benefit of serious DXers everywhere. Enjoy!



LISTENING POST

WHAT'S HAPPENING: INTERNATIONAL SHORTWAVE

Clandestine broadcasting holds a special fascination for many listeners. It incorporates a touch of mystery coupled with a reflection of world politics.

Clandestine radio activity ebbed in Cuba as the nation's radio stations were shut down or moved to less frequent bands. The 7 megahertz band was also with anti-Castro clandestines, mostly operating from the Florida area. Some were funded by the FCC, others seem to have just quietly faded away.

One such station, La Voz de Cuba Independiente y Democrática, hasn't disappeared. In fact, it's expanding its reach. Cuba Independiente y Democrática was founded in Caracas in 1980 by "a group of professionals" who saw a need for broadcasting to Cuba--and by mid-1981 that's what they were doing as La Voz del Caribe Independiente y Democrática came on the air. The daily program ran for thirty minutes. Now broadcast segments are



The shack of Elmer J. Herklimer, R. 1000 and Son, E.

C.I.D. attracts the C.I.D. members who are active. But not

BY GERRY L. DEXTER

Dexter - Our Main Man

I caught the DXing bug about 16 years ago and have found it impossible to shake. I wanted to say that the work of Gerry Dexter in the pages of POPCOMM is the best I've ever seen in a commercial publication... the old PE. Boord columns in the Bennett columns in and all the rest. Dexter creates an atmosphere of hobby comradeship, as if you were sitting by his side in the shack, chatting DX, and sipping a few cool ones. At the same time, besides a few cool ones, there is a considerable amount of valuable data provided every month. As far as providing usable DX tuning information, his monthly column is unsurpassed in any other publication. "Clandestine" or "pre-

INTERVIEW (cont'd)

SWC: I asked Don this question recently--and it's a subject that fascinates me--how have you managed to stay so active in the hobby all these years?

DEXTER: I guess when the bug bit it caused a terminal case of DXing interest. It hasn't been a "full speed ahead" situation all of that time, far from it. I think everyone has slumps, periods of a couple of weeks or even a few months when they couldn't care less. I certainly have. But then you get a good QSL in the mail, or something exciting happens on the bands, or you attend a get-together of other listeners and you're off and running again.

SWC: You hear so much about competition in the hobby, especially among the veterans, does co-editing the NU bulletin with Don provide the incentive to keep going?

DEXTER: I think statements about "competition among the veterans" is greatly overstated. There's friendly competition of course, but I haven't been aware of anything stronger than that. Co-editing NU does keep interest up because one is more involved so any doldrums which might exist don't last for long.

SWC: The latest edition of "The QSL Address Book" is out and, as expected, it's excellent. It obviously involves a great deal of work. What kind of preparation goes into it?

DEXTER: It was almost constant. Bulletins and other sources were checked every month for new information. Every six months or so during the time between the 3rd and 4th editions, this information was cut into strips and checked against the card file with any changes being made in that step of the process. That way the file was pretty much up to date when the time came to prepare the manuscript.

SWC: Did you find quite a bit of difference between your addresses and the ones listed in the WRTM?

DEXTER: I've never really made a comparison. An address is either right or it isn't I guess. I always try to use a P.O. Box or Apartado number as against a street address, when there's a choice.

SWC: I know you'll deny this, but you are considered an authority on QSLing and the hobby in general. Without giving away any secrets, what tips can you offer the DXer who wants to improve his reception reports and, consequently, his returns?

DEXTER: I deny it! I think this business of the deep, dark secrets of QSLing is a fallacy. If there is a secret it's simply to take an organized approach, to never abandon hope of one day cracking the station that just won't answer. It takes a great deal of patience and determination. Not many DXers are willing to send ten or even twenty follow-ups if necessary but sometimes that's what it takes.

SWC: Multiple follow-up reports seem like such a chore. Is it a simple matter of perseverance?

DEXTER: Yes, as I stated, perseverance is a large part of the answer. You just never know when a staff change or ownership change will take place and suddenly reports start getting answered. Often the enthusiasm for replying doesn't last long and if you've sent regular follow-ups your chances for being one of those receiving a reply are obviously improved.

SWC: With the large number of veries you've received over the years, I'm sure there are some that, for one reason or another, are borderline as far as counting them as legit veries. Where do you draw the line? When is a reply not really a verie?

DEXTER: I think you have to go with that old "what was the intent" philosophy. It's unrealistic to expect every little Latin or Indonesian to send you back the date, time and frequency on the QSL.

INTERVIEW (cont'd)

On the other hand, you can stretch "intent" too far. I don't think a Christmas card, or nothing but a pennant can in any way be construed as an intent to verify. I'd say any written or printed reply which refers to your letter or report and does not state or imply you didn't hear the station could be counted as a verification.

SWC: What have been the toughest veries to crack over the years?

DEXTER: Toughest? Too many of them. The Burma Broadcasting Service took 15 years during a period when Burma was even more closed off than now. It turned out permission to issue a QSL had to be obtained from what would be the equivalent of our Secretary of State! China took about ten years and John Moritz and I really bore down on the last two although the general opening up of the country had more to do with it than we did I expect. And there have been quite a number of others over the years, as well as a current list of stations I'm not too fond of at present.

SWC: Tell us about your latest projects in the world of clandestine broadcasting.

DEXTER: Well, there's a book called "Clandestine Confidential" coming or just published by Universal Electronics which offers some background on clandestine DXing, the history of some well-known clandestines, a survey of current activity, tips on QSLing and a list of station addresses. I'm also publishing an every-other-month newsletter of the same name which will deal with the current situation, new stations, frequencies, QSLing information and so on.

SWC: One frequently heard comment from would-be clandestine DXers is the reluctance of many to contact the political groups behind the stations since many are radical. Is this ever a concern of yours?

DEXTER: It hasn't been a concern for me. Maybe it should be! I can certainly understand the reluctance of some, especially those DXers located near where the groups are.

SWC: Is it safe to assume that clandestine veries, especially, are a "take what you get" situation? Where do you draw the line there?

DEXTER: I haven't found there's much difference in the content of replies from clandestines vs. other stations.

SWC: You have an amazing ability to come up with addresses for these type of stations. How do you do it?

DEXTER: I've been successful with a handful of them, no more. Basically it's simply a matter of asking myself who might have the information I need and then contacting them. It has involved a lot of letters and the reply rate is a lot lower than sending reports to South America!

SWC: Which clandestine stations are highest on your QSL "want list"?

DEXTER: Right now I'd say the three FDN stations - Quince de Septiembre, Miskut and La Voz de la Libertad.

SWC: How did your association with "Popular Communications" magazine develop?

DEXTER: I got a call from Tom Kneitel, the editor. I'm very grateful to him for the offer incidentally.

SWC: Has the magazine evolved into what you had hoped for or expected?

DEXTER: I had hoped it would be successful and from everything I hear, it is. I never expected it to be a totally DX-oriented publication. Had that been the intent the magazine wouldn't be around today. There just aren't enough DXers around to support that kind of publication effort.

SWC: So, what's ahead for Gerry Dexter?

DEXTER: There are two more books in the works which should be out during the summer. Beyond that there are some other possibilities in the "future file". Meantime I hope to finally hear Scotland via WMR and add some more Peruvian QSLs to the collection this year.

SWC: Ger, personally, I want to say thanks for everything and on behalf of everyone in NASWA we look forward to more good things from you!

Clandestine Confidential

Ger's book, "Clandestine Confidential" should be out very soon and it will certainly be a "must" for any serious DXer.

If you're a fan of Gerry's "PopComm" articles, I don't have to tell you this guy knows his stuff. The book (and more info) will be available from UNIVERSAL AMATEUR RADIO, INC., 1280 Aida Drive, Reynoldsburg, Ohio 43068. To keep current, Ger is publishing the "Clandestine Confidential Newsletter", available from him at this address: Gerry L. Dexter, RR 4, Box 110, Lake Geneva, WI 53147. If you've ever listened to, say, Radio Bardal or Radio Vatan, or even found a parcel in your mailbox from Radio Venceremos or Radio Frie Sranan, you know this is DXing. Subscriptions to the C-C-Newsletter are \$10 a year and it's issued every other month. Do it before you forget! (JH)

Gray-Line DXing the Tropical Bands

by John D. Tuchscherer

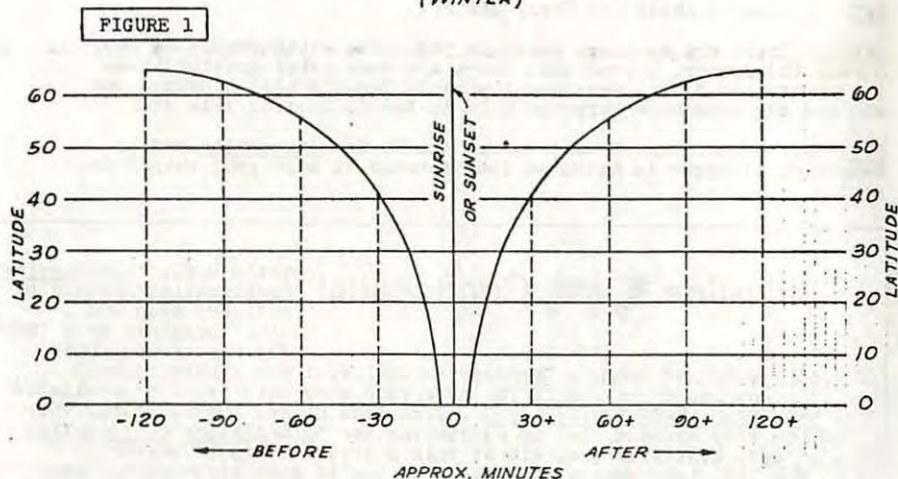
If you were an astronaut out in space and observed the earth, you would note that one half of the earth is always in shadow while the other half is always in daylight. The line between day and night, that divides the earth into dark and light is called the circle of illumination or terminator. This circle, actually a band, is called the gray line in the radio hobby.

For any site on earth the gray line is in effect twice a day, one hour in the morning - plus or minus x minutes from sunrise and then again in the evening - plus or minus x minutes from sunset. See graph Figure 1 for duration of winter gray line conditions at your latitude. Over the years Ham Operators and SWL's have noticed signal enhancement for propagation along the gray line. This is due to the fact that the D layer which absorbs high frequency signals is disappearing at the station on the sunset side of the gray line while it hasn't yet built up on the sunrise side. There are also additional reasons not yet fully understood.

The condition of approximately sunrise at your QTH and sunset at the broadcast station or vice versa must exist or it's not gray line reception. For example, if you live in NYC and hear a station in Sao Paulo on 60 meters on 1 January at 2300 GMT, that is simply a full darkness path transmission.

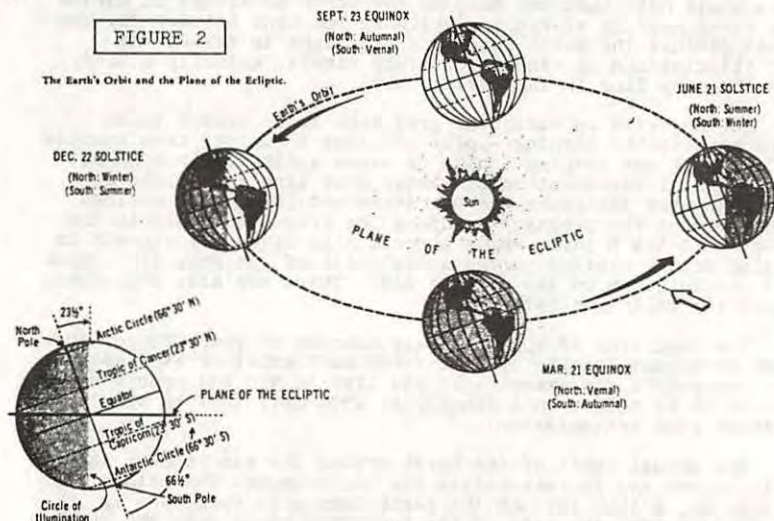
The annual orbit of the Earth around the sun is more than 600 million miles and is responsible for our seasons. The axis of the Earth - that is, a line through the Earth from pole to pole - is inclined $23\frac{1}{2}^{\circ}$ from the axis of the sun. This means that the Earth

DURATION OF GRAY LINE CONDITIONS
(WINTER)



exposes different parts of itself to the direct rays of the sun in its yearly orbit. The Earth's orbit is counterclockwise around the sun and the $23\frac{1}{2}^\circ$ inclination is outward, away from the axis of the sun. Therefore, the southern half of the Earth's surface is exposed to the direct rays of the sun on the right hand wing of the orbit, and the northern half is exposed on the left hand wing of the orbit. Note that the eccentricity of the orbit puts our Earth closer to the sun in winter than in summer.

The limits of maximum movement, north and south, of the direct rays of the sun are known respectively as the Tropic of Cancer and Tropic of Capricorn. When the sun reaches its northern zenith on 21 June, the phenomenon is known as the summer solstice. It reaches its southern zenith on 21 December for the winter solstice. When the sun crosses the equator on 21 March it is called the vernal or spring equinox and the 21 September crossing is the autumnal or fall equinox. See Figure 2 for a graphic of this information.



GRAY LINE DXing (cont'd)

During a two year search I found much interest in gray line DXing but a paucity of information. However, I did find an excellent article by Peter Dalton et al in the September 1975 issue of CQ Magazine. Subsequently, the same information appeared in "The Shortwave Propagation Handbook" by Jacobs and Cohen, published by Cohan Publishing Corp.

To determine where the gray line is at your sunrise or sunset time, Dalton's method requires only a world globe, a table of the inclination of the Earth's axis in relation to the sun at about 15 day intervals (more frequently if you wish) and a few cardboard devices. For complete details see either of the sources mentioned above. Dalton has been DXing the gray line since 1966 and has worked 300 countries on 80 meters which attests the efficiency of the method plus his skill and enthusiasm.

In 1981 a device called "THE DX EDGE" came on the market. The "Edge" consists of a plastic map case plus twelve plastic overlays, one for each month. It's never out of date, you can easily determine those areas of the world which are in light and darkness at any time. Each plastic overlay has the shape of the gray line shown on it. By placing the gray line on your QTH at your sunset or sunrise time you can quickly determine those countries through which the gray line passes, offering a good chance for DX. Since this device is designed for hams and because of its small size, the sites are designated by country prefixes. Perhaps a larger, SWL version will be available in the future. I've made that suggestion to Mr. Anthony Japha, President of Xantec, Inc. which produces "THE DX EDGE". One of the best uses I have found for this product is that one can determine at a glance if there is a full darkness path to a site you may be interested in. However, the ultimate feature is that you can determine if there is a time of the year when your QTH and a station which you want/need both lay on the gray line.

For the purpose of this article, I developed a simple method of determining the potential for gray line DXing. Since we want to know which sites are at sunset when it's sunrise at one's QTH, and vice versa, I simply tabulated those conditions on a chart for each month, based on data from a comprehensive sunset/sunrise table. Since the table was based on the 15th of each month, the same data was used for local sunrise/sunset time. You can get that from your local newspaper. Sunset/sunrise tables are available from many sources (some NASWA members offer them for sale).

JANUARY	Neenah Sunrise	1325 GMT	JANUARY	Neenah Sunset	2221 GMT
FINLAND		1327	CHRISTMAS IS.		2241
IRAN		1328	JAKARTA		2243
KUWAIT		1357	BALI		2206
MALDIVES	FIGURE 3	1307	BANDJARMASIN		2216
OMAN		1342	UJUNG PANDANG		2154
ARMAVIR		1353	JAPAN-TOKYO		2155
MOSCOW		1319	SABAH-KOTA KINABALU		2211
TULA		1326	PHILIPPINES-MANILA		2228
TALLIN		1334	SARAWAK-MIRI		2240
TBILISI		1338	TAIWAN		2237
YEREVAN		1344	KHABAROVSK		2245
ABU DHABI		1351	VLADIVOSTOK		2239
DUBAI		1347	BRUNEI		2238
(Partial List)			DENPASAR		2214
			SAMARINDA		2219
			SEMARANG		2236
			SURABAJA		2234
			YOGYAKARTA		2235

Figure 3 is self explanatory. 15 January sunrise in Neenah, Wisconsin occurs at 1325 GMT. Concurrently, it is approximately sunset in Finland, Iran, Kuwait, etc. Similarly, when the sun sets at 2221 here, it is approximately sunrise in Bali, Tokyo, Taiwan, etc.

Charts like these can be prepared for all twelve months in about 3 hours. Once prepared the charts are valid forever for a given QTH as the slight deviations of the Earth's orbit which occur yearly are of no significance for our purpose.

The beauty of these charts is that you are readily aware of when you have the best "shot" at some of the toughies like Bhutan, Maldives, etc.

My thanks to all who have encouraged the writing of this article and especially to Jack Jones who drew the graph for the winter gray line duration.

(Great job, John! Thanks a million - JH)

U.S. postage rate hikes may possibly be delayed

There are now growing indications that both international and domestic U.S. postage rate hikes may be delayed beyond previously expected effective dates.

The international rate hike, which would affect airmail, international postal cards, aerogrammes and similar items for U.S. mail destined for foreign countries, was originally expected during the first half of 1984, with March or April like-ly target dates.

Present indications point to after June.

International terminal rates, which have a great bearing on any country's costs associated with handling foreign mail, may be adjusted at the June meeting of the Universal Postal Union, the international body which governs such matters.

For that reason, the U.S. international rate hike may be delayed until exact costs and added expenses can be deter-

mined. The domestic increase, on the other hand, is still a political "hot potato," and most sources now indicate that the USPS may delay the next hike past the November elections, and perhaps even past the holiday mailing season.

This clipping is from the 13 February issue of "Linn's Stamp News", courtesy of my father, WB2LNY.

Not very good news, is it? I have not seen any references to what the current 40¢ airmail rate might jump to, but either way, it's not welcome news for those of us who enjoy sending reception reports. Grit your teeth! (JH)

DXing in Europe....not a whole lot different than DXing from North America. Or is it? Michael Schmitz is a German currently living in the Canary Islands. He offers a look at DXing from Europe. (JH)



DXing in Europe

by Michael Schmitz, Poste Restante, Correo Central,
La Laguna, Tenerife, CANARY ISLANDS

EUROPEAN STATIONS

As a result of our different locations on the globe, DXing in Europe is quite different from DXing in the States. Europe, the Old World, offers a great number of countries, cultures and languages on relatively little space and this variety is also visible on our radio scale. Far distance receptions are usually made on the shortwave bands, but also medium wave offers a large amount of stations from different countries. Furthermore, Middle Eastern and North African countries can usually be heard on medium wave. Depending on reception conditions and equipment used, some West African and Central American stations can also be heard on medium wave. This article, which aims to inform you about reception in Western Europe, will therefore deal not exclusively with shortwave reception, but also medium wave.

DXing IN EUROPE (cont'd)

More or less, every European country operates shortwave transmitters which are easy to receive in every part of Europe. These stations mainly use the 49 meter band for their broadcasts to Europe. This band (which is also called the "European shortwave band") offers the best reception conditions for Europe all day long. Many European stations have special European services or frequencies in the 49 meter band, such as Deutsche Welle-6075, Austria-6155, Swiss Radio Int'l-6165, Prague Interprogram on 6155, Radio France Int'l-6175, etc., where their program is broadcast to Europe all day long. Others operate only external services on shortwave, such as Radio Berlin Int'l, Norway, Finland, Sweden, etc. Of special interest are the regional services on shortwave, like the SSB service from Varberg in Sweden, the 5 West German ARD stations: Bayerischer Rundfunk, RIAS Berlin, Sender Freies Berlin, Sueddeutscher Rundfunk and Sudwestfunk, or the Albanian shortwave transmitter at Gjirokaster. Not only does Austria operate the regional transmitter at Aldrans, which serves the mountain region of Tirol, but also a military station with regular programs in the 60 meter band. Italy offers quite an interesting field of activity. Since the Italian government is more tolerant with owners of private stations, the number of Italian stations has increased rapidly and is increasing still. Italian local stations are low-powered but well heard which may be a result of their out-of-band frequencies. Some of the Italian shortwave stations serve as relays for German or Dutch studios which are not allowed to operate their transmitters. Radio Milano International relays, for example, broadcasts of World Music Radio in the Netherlands or Radio Victory in West Germany. For the DXer interested in local programs, the medium wave offers the greatest field of activity. There are more than 70 local radio stations in the U.K. and many of them are receivable in the evening hours. There are a few low-power stations that make their way to the continent and therefore are special interest to the DXer. As an example, I want to mention the 250w transmitter of the Cardiff Broadcasting Corp. which sometimes reaches me on an overcrowded medium wave at a distance of more than 400 miles. Also remarkable is the QSL reply rate from the British local radio stations, which is close to 100%. Other interesting regional stations can be heard from Spain in the late evening hours. Spain has about 200 local radio stations and many of them can be heard in the winter nights. To close our medium wave roundabout, there are still the French FR3 regional stations which offer interesting programs and confirmations.

A changing number of hobby pirates from the U.K. and Ireland are on the air on Sunday mornings. They operate between 6200 and 6900 kHz and might therefore also be heard in the States. Ireland seems to have a dazzling law concerning radio transmissions and is therefore always good surprises either on medium wave or shortwave.

Next month: Reception in Europe of African and Asian stations.

CONTACT

"CONTACT" is moving! Our man in the broadcasting field, Andy Robins, has taken a job as News Director of WCSY in South Haven, Michigan. All the moving and resettling means no column this month, unfortunately. However, Andy would like to continue the discussion of pirate radio (or anything else for that matter) and you can send your comments to his new address: 225 North Shore Drive, Apt. 208-N, South Haven, MI 49090. Good luck, Andy! (JH)



Pappas on Programming

Editor: Nick Pappas
251 S. O'Ido. Blvd.
Apt. 243
Fairless Hills, PA 19030

External Services: A Survey of Motives Part I

Around eighty countries are currently engaged in international broadcasting. Among these countries are members of the First and Second Worlds, along with an ever-increasing number of Third and Fourth World countries. These new members of the international broadcasting community have added to the problem of the overcrowding of the international broadcast bands and have very often, unfortunately, offered very little in terms of programming in return.

Countries enter the field of international broadcasting for a variety of reasons. It should be noted that the apparent motives for international broadcasting set forth below are deduced from the monitoring of a number of external services. They are by no means mutually exclusive. Even when a high degree of overlapping does occur within a foreign service, however, one gets an impression of the general "tone" of the station by monitoring its programs.

The most obvious motive for international broadcasting is propaganda. Programming consists mainly of news and political commentary, with little (if any) time being devoted to the presentation of the national culture or to entertainment programs. News items are almost invariably selected to enhance the sending country's image in the eyes of the world.

A prime example of the use of an external service as a tool for propaganda is Albania's Radio Tirana. Tirana's programming generally consists of news about the implementation of past five-year plans and the successful completion of still other five-year plans. Political commentators lambast Washington, Beijing, and Moscow. Very little time is devoted to the presentation of the Albanian culture, the sole exception being an occasional Albanian pop tune. Indeed, if one were to describe the Albanian lifestyle based solely on the information presented by Radio Tirana, one would picture a xenophobic society with its members (all dressed alike and with perpetual frowns on their faces) carrying blueprints of the current five-year plan.

Another apparent motive for international broadcasting is to present "unvarnished" information. The BBC offers the primary example of this motive. Although the BBC also devotes a large amount of its air time to programs outside of the realm of news and information, it maintains at least eight different news and information programs. These include The World News, News About Britain, The World Today, Radio Newsreel, Twenty-four Hours, Financial News, Review of the British Press, and numerous features concerning such subjects as newly-marketed products and advancements in medicine. One can fully appreciate the dynamic character of the BBC's information service when following a major world event, such as the war in Lebanon. The events in Lebanon were discussed, described, and analyzed in six of the seven programs mentioned above. The depth of the BBC's coverage of this event can only be rivalled by the print media.

Next month, more Motives, and if space allows, comments by readers on the last few columns.



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

The Electra Bearcat DX-1000

DXers and SWLs have waited in anticipation for the availability of the Electra Bearcat DX-1000 since it was first introduced at the ANARC Convention this past summer. Specifications, taken from the manufacturer's brochure were published in the October "Technical Topics". Unfortunately, production problems have caused numerous delays in getting this receiver to dealers. Finally, several firms are advertising the DX-1000 in the various amateur radio and shortwave-related magazines, with reviews having been made by Bob Grove of Monitoring Times, and Larry Magne on RCI's "SWL Digest."

Bob Grove has provided us with a copy of his review as it appeared in the February issue of Monitoring Times. He mentions that it was obviously intended to compete with the eminently successful Kenwood R-2000, with a number of similar features including 10 memory channels, dual tuning speeds, FM and squelch modes. The DX-1000 offers some improvements over many of its' competitors including three selectivity bandwidths (12, 4, and 2.7 kHz) which may be selected regardless of mode. Total frequency coverage is 10 kHz through 30 MHz with somewhat reduced sensitivity below 150 kHz.

Frequency stability is extremely good, claimed to be 100 Hz per hour, which was confirmed by Bob. Tuning is accomplished by either direct-entry keypad or analog dial. Readout is to one kHz and memory is good to one kHz; a fine tuning control allows infinite resolution between the 100 Hz step increments.

Although the DX-1000 has image and IF rejection of at least 70 dB, its high sensitivity results in susceptibility to intermod from strong in-band and out-of-band signals. Bob recommends that use of a preselector like the Grove TUN-3 Minituner will help when the DX-1000 is used with an outside antenna. Alternatively, the front-panel attenuation control may be used to eliminate the intermod interference with a sacrifice in sensitivity.

Audio quality is excellent; the tone control effectively skews bass and treble during its' rotation. The dual-position noise blanker allows a choice of time constants and rejects fast or slow pulse interference (i.e., electrical line noise or the Russian "woodpecker") on AM.

Synthesizer noise is quite prominent while tuning the receiver on AM as the 100 Hz steps interrupt the signal path, but this annoyance does not affect the performance of the receiver once the dial is set.

Overall, the receiver packs a number of features for the SWL and, while not a communications receiver in the strictest sense, the DX-1000 will provide reliable reception of all signal modes.

The DX-1000 lists for \$ 599.95, available for \$ 499.00 from Grove Enterprises.

Bob also sends his latest (Spring 1984) Grove Enterprises catalog, which includes the NRD-515, Kenwood R-2000, Uniden CR-2021, Sony 2002, Icom-R-70, plus scanner equipment, receiver modifications, books and reference materials, and antennas. Write: Grove Enterprises, Inc., Brasstown, NC 28902.

Larry Magne recently reviewed the DX-1000 on RCI's "SWL Digest." Larry mentions that the DX-1000 has two 24 hour clocks, one for UTC, the other for local time, plus 5 On/off frequency configurations to allow listening to favorite programs. This timer can also control the operation of a tape recorder.

Dynamic range was found to be moderate, largely due to the lack of adequate high-pass filtering, as mixing products from within the medium-wave AM band appear in the shortwave ranges between 2-3 and 6-8 MHz. The -20 to -40 dB attenuator cures this, but it also reduces the sensitivity. Larry mentions that an RF gain control, or less coarse attenuator would have been better, but a relatively short antenna will suffice.

Of the three I.F. selectivity positions provided, the narrowest works reasonably well for listening in congested situations. The 6 kHz, however, has modest skirt selectivity. The 12 kHz position is too wide for SWBC reception, but is appropriate for FM reception of amateur or commercial FM services.

There is no built-in A.C. power supply, but an AC/DC wall transformer is included, which has the minor disadvantage that AC fields tend to be more easily picked up by the antenna than when the power supply is inboard and thus shielded by the receiver metal wrap-around. The set can also be powered by 8 "D" size alkaline batteries, but battery drain is high, in fact, $2\frac{1}{2}$ times that of the Sony 2001. Rechargeable nicad batteries do not provide adequate voltage to power the set properly.

SSB tuning is further aided by the excellent analog fine tuning control which interpolates between the 100 Hz synthesized tuning increments.

There are a few software peculiarities: The memory requires 3 buttons to activate, and going from one memory channel to another requires depressing of 6 buttons. The clock, which shares the digital counter with the frequency readout is activated by a button. This button also returns the tuning to the keypad mode from the analog fine tuning mode. Unfortunately this requires retuning following each time check. Fortunately, this only affects reception of SSB, CW, and broadcasts tuned by exalted-carrier. This can be avoided by dialing in 1 kHz rather than 100 Hz increments and using the analog fine tuning control for all interpolations between 1 kHz points.

Harry L. Hartwell, Lompoc, CA writes that he acquired a DX-1000. He mentions that color pictures show the receiver as black and tan, but it is in fact black-trimmed with aluminum. Harry uses it with a McKay-Dymek DA-100D active antenna and a McKay-Dymek DS111 external speaker. He also uses a Mosley SWL-7 in addition to the DA100D. He finds that the receiver is better than the Gilfer-modified Yaesu FRG-7000 that he had used previously. For the money, it is an excellent choice for those who don't want to venture into the one or two thousand dollar class. Since you can go directly from any frequency to any other frequency without bandswitching, it is quick and easy to operate.

Ed Insinger, Summit, NJ sends additional information on the Sony 2002 portable:

Perhaps more than anything else, the 2002 is a true travelers' delight: compact, and slim, built-in LCD clock with sleep and alarm functions, AM and FM to complement LW and SW reception, and ten very handy memory presets for your favorite stations in any band, including FM.

Sensitivity: using either AA or C batteries, sensitivity is only fair, with the built-in whip antenna fully extended. I would hope that peak performance occurs with the use of internal batteries and the whip antenna, with a small receiver of this size. Unfortunately, sensitivity is very limited under these conditions. The 2002 is not supplied with an AC adapter, so performance in that mode is not known.

Battery life: the manual states that four AA cells will last approximately twelve hours of listening time. To compensate for this short battery life, Sony provides a batterypack and connector. This unit holds four C cells and plugs into the left side of the 2002. By using C cells, battery life increases to approximately 40 hours of listening time. While this is a substantial improvement, the battery clip is large, (almost one-third the size of the 2002) thus it can be seen that all of the advantages of size and portability of the 2002 are sacrificed by this rather unusual idea. Perhaps the happy medium is to use AA alkaline batteries, maintaining the advantages of ultra-portability, while swallowing the cost of alkaline batteries these days.

Tuning increments: the LCD display can only read frequencies to 5 kHz. Any frequency in between a 5 and 0 must be manually adjusted, using a fine-tuning control, found on the right side of the 2002. Thus, if one wishes to tune to 9912 kHz, the display will read either 9910 or 9915, depending on your choice. The remaining tuning must be done by hand, and a certain amount of built-in guessing is required to determine if you are on the frequency desired. This is an advantage of the 2001 over the 2002.

Miniaturized controls: the clock setting is made difficult by the extremely small buttons which must be pushed and their positioning close to one another. This condition also occurs on the right side of the receiver for SSB and fine tuning. The mini controls are so small that one must possess the smallest and thinnest of fingers in order to properly use them. The listener with large hands is at an unfortunate disadvantage and might become frustrated. In all fairness to the 2002, this is a price one must pay for a small, compact receiver.

Cost: the 2002 can be purchased at a discount electronics supplier for under \$ 200. In terms of cost vs. performance, the price is high. There are also obvious advantages which Sony built into the 2002 that deserve mentioning.

Selectivity: perhaps the strongest point of the unit after portability. The selectivity is very good and easily outperforms the 2001 in this respect. I was surprised at how well the filter system reduced nearby interference.

Memory presets: Sony has cleverly designed ten memory presets into the 2002 - one for each entry key. This feature is further enhanced by the ability to simultaneously program FM stations into the memory as well. Thus, one could program the 2002 for six shortwave, two medium-wave, and two FM stations, all accessible at the touch of a button.

LCD clock: what might at first appear to be an extra accessory or gadget on the 2002, the clock is actually a useful, integral part of the radio. Besides having the time at your fingertips, the clock can be programmed as an alarm for waking or turning the unit on in-time for your favorite station. The clock runs on 2 AA cells, can be synchronized with WWV or CHU, and can be adjusted for 12 or 24 hour format. The manual lists battery life for the clock at approximately one year.

Audio quality: despite its' size, the 2002 puts out crisp, clean audio, especially appreciated on FM. There is also a switch to adjust the audio spectrum frequency response from "music" to "news". The audio quality is, however, slightly reduced on the SWBC bands, due to the presence of an internally-generated hiss commonly found with small transistorized portables.

Dual frequency display: a very useful added bonus on the 2002 is the display of both frequency and meter band when tuning a shortwave station. For example, when tuned to WWV on 5000 kHz, the display will also read 60 meters in the lower left corner. The meter bands are also listed on the back of the receiver, along with a map and time zones.

True portability: as stated at the outset, the Sony ICF-2002 is truly a portable receiver in terms of size and weight. The SWL who travels alot will welcome its' size and features. It will indeed make an excellent travelling companion.

The February issue of CQ Magazine carried an ad on the back cover announcing the new Icom IC-R71A receiver. At first glance, the obvious changes from the R-70 appear to be the addition of a keypad frequency-entry system in the space that previously held the speaker, and the addition of 32 programmable memory channels in place of the R.I.T. control. There are separate buttons (left side) that provide selection of USB and LSB, plus choices of wide or narrow filter bandwidths. It will be interesting to see if the narrow bandwidth filter is operable on AM, and if retuning will be required when switching from AM or LSB to USB, as in the R-70. One very interesting option is the IC-RC 11 infrared remote control (wireless) which appears to be similar to a large calculator, and allows access to mode, frequency, and memory recall at some distance removed from the receiver.

William McMahon of Oxnard, CA sent a copy of the ad, and asks "Aren't you glad you didn't buy an R70 last summer? - or did you?" Well, Bill, I didn't buy an R-70 last summer, I bought one January 24th, just a few weeks ago. This set replaces an R-390A, so it is, in fact, quite a change for me. In spite of the R70's idiosyncrasies, it is a fine receiver and I doubt that it will become obsolete in the near future. Incidentally, I got the FI44 filter while brother John has an earlier production model without the sharper filter. The improvement in selectivity when using the pass-band tuning (PBT) with the sharper filter is obvious to our ears. The most dramatic example was extracting audio from a 60 meter tropical band station covered by an annoying TVI het. We also found that it was possible to extract low-powered Latins operating slightly off-frequency from dominating stations by tuning one kHz higher or lower and off-setting the PBT for best readability.

Circuit Specialists, P.O. Box 3047, Scottsdale, AZ 85257 sends their 1984 electronics parts catalog. It seems that J.W. Miller has revamped their line of chokes and coils, as many have been dropped from this recent listing.

Mouser Electronics, 11433 Woodside Avenue, Santee, CA 92071 is another source for low-cost electronics parts. They have a comprehensive parts catalog.

We have several people to thank for this extended version of "Technical Topics." Many thanks to Bob Grove, Larry Magne, Harry L. Hartwell, Ed Insinger, and William McMahon; also thanks to brother John and Andy Robins for the extra page. *23 Jim*

BROADCASTING IN NEWFOUNDLAND, CANADA

by Richard A. D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610

In 1949, Newfoundland became the tenth Province of Canada. The province covers some 156,000 square miles and consists of the island of Newfoundland and the much larger Labrador portion of the Province on the continental mainland. Newfoundland is located in a time zone unique in North America, that is half an hour later than Atlantic time or 1-1/2 hours later than eastern time. This is the only place in North America with a split in the variations of one hour between time zones. Knowledge of the split time zone interval is a useful device to help identify a station as being located in this area.

Historic Newfoundland was part of some great accomplishment in communications. In 1866, the cableship "Great Eastern" landed the first successful transatlantic cable at the Trinity Bay settlement in Heart's Content. In 1901, Newfoundland hosted Guglielmo Marconi's experiment when he received the first transatlantic wireless signal at Cabot Tower on Signal Hill, overlooking the harbour and city of St. John's. Signal Hill was the receiving point for the first ship-to-shore wireless telephone transmission when in 1920, listeners at Signal Hill heard a concert aboard the liner Victorian at sea.

At first radio broadcast in Newfoundland was aired over station VOS in St. John's on July 9, 1922. Ten years later, on November 14, 1932, Radio Station Vonf, which is still in existence today as CBN in St. John's, became the first outlet of the Dominion Broadcasting Corporation. In 1939, this became the Broadcasting Corporation of Newfoundland, the BCN, a publicly owned corporation. The BCN and the CBC joined together in 1949.

Presently, there are 32 AM radio transmitters in Newfoundland and Labrador ranging in power from 40 watts to 10 kilowatts. This enables the CBC to cover about 97% of Newfoundland. In addition, there is a short-wave outlet - CKZN broadcasting in the 49 meter band at 6160 kHz - operating out of St. John's that carries the same programs as CBN.

CBC's Manager of Regional Engineering, Dave Uttaro, says he receives reception reports from listeners in North America and Europe. The Newfoundland stations that receive the most numerous reports are:

<u>Call Sign</u>	<u>Location</u>	<u>Frequency</u>	<u>Power (kW)</u>
CBN	St. John's	640	10
CBNM	Marystown	740	10
CBT	Grand Falls	540	10
CKZN	St. John's	6160	1
CBGY	Bonavista Bay	750	10
CBNA	St. Anthony	600	10

Reports on any Newfoundland radio stations should be sent to:

Mr. Dave Uttaro
Manager of Regional Engineering
P.O. Box 12010
Postal Station "A"
Kenmount Road
St. John's, Newfoundland
A1B 3T8
CANADA

CKZN on 6160 kHz can be heard at 0830 sign-on until around 1200 GMT at fair to good signals. All correct reports are promptly verified by QSL card.

Not much room left. Thanks to all, especially Ger. 73s,



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CTY	STATION	TIME	GMT	TARGET	----- F r e q u e n c i e s -----				
AFG	Kabul + USSR	0930	1030	S.As.	4450	6230	15255	21460	
		1900	1930	Eur	9665	11960	15077		
AGL	Luanda, Angola	1130	1200	Afr	7425	9660	11955		
ALB	Tirana	0000	0030	NA	7065	9750			
		0130	0200	NA	7120	9750			
		0230	0300	NA	7120	9750			
		0330	0400	NA	6200	7300			
		0430	0500	AFR	7300	9480			
		0630	0700	EUR	7080	9500			
		0700	0730	ANZ	9500	11985			
		0930	1000	ANZ	9500	11985			
		1230	1300	NA	9515	11945			
		1400	1430	SEA	9500	11985			
		2200	2230	Eur	7065	9480			
		2000	2030	Eur	9510	9685	15160	17745	
		ARG	RAE, B. Aires	0200	0300	NA	11710	11755	15345
				1130	1230	NA	9690	11710	11755
				1700	1800	Eur	9690	11710	11755
		AUS	ABC Brisbane	0000	1400	HS	4920	9660	
1900	2400			HS	4920	9660			
0000	0815			HS	9680	15230			
0815	0830			HS	9680				
0830	1400			HS	6150	9680			
1400	1500			HS	9680				
1900	2000			HS	6150				
2000	2215			HS	6150	11880			
2215	2230			HS	6150				
2230	2245			HS	15230				
ABC	Perth	2245	2400	HS	9680	15230			
		0000	0100	HS	6140	9610	15425		
		0100	0940	HS	9610	15425			
		0940	1600	HS	6140	9610			
		2100	2300	HS	6140	9610			
R.	Australia	2300	2400	HS	6140	9610	15425		
		0000	0015	Asia	11820				
			0100	E&W Pac	11720	15160	15320		
				NA	15160	15320			
			0130	S. Pac	15240				
			0730	PNG/Pac	15165				
		0100	0130	Asia	15310				
			0200	E&W Pac	11720				
		0130	0530	Asia	15310	17715			
			0730	S. Pac	11910	15240			
		0200	0400	E&W Pac	11720	15160	15320	17795	
				NA	15160	15320	17795		
		0400	0500	E&W Pac	11720	15160			
				NA	15160				
		0500	0630	Afr	15285				
			0730	E&W Pac	11720	15160	15320	17795	
				NA	15160	15320	17795		
		0530	0800	Asia	15415	17715			
		0730	0800	E&W Pac	11720	15160			
				NA	15160				
				S. Pac	11910				
		0800	0830	S. Pac	6045	11910			
			0900	Asia	15415	17715	21720		
			1000	PNG/Pac	15410				
			1100	E&W Pac	11720				
		0830	1800	S. Pac	6045				
		0900	0915	Asia	7205	15415			
		0915	1400	Asia	7205				
1100	1130	E&W Pac	5995	11720					
	1200	PNG/Pac	11800	15410					
1130	1200	E&W Pac	5995						
1200	1230	PNG/Pac	9710	11800					
	1430	E&W Pac	5995	9580	11720				
	1600	NA	9580						
1230	1300	PNG/Pac	6080	9710	11800				
1300	1400	PNG/Pac	6080						
1400	1430	Asia	7205	9770					
		Eur	9770						
	1600	PNG/Pac	6080	9710	11800				
1430	1500	Asia	6035	7205	9770				
		E&W Pac	5995	6060	9580	11720			
	1730	Eur	6035	9770					
1500	1600	E&W Pac	5995	6060	9580	11790			

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CTY	STATION	TIME	GMT	TARGET	F r e q u e n c i e s				
AUS	R. Australia	1500	1730	Asia	6035	9770			
		1600	1730	E&W Pac	5995	6060	11790		
			2000	PNG/Pac	6080				
		1730	1800	E&W Pac	5995	11790			
			2200	Eur	6035				
			2200	Asia	6035				
		1800	2000	E&W Pac	5995	9505	11725	11790	
				S. Pac	6045	7215	9580		
			2030	Eur	6035	7215	9580		
		2000	2030	E&W Pac	9505	11725	11790		
				S. Pac	7215	9580			
			2100	PNG/Pac	6080	9620			
		2030	2100	E&W Pac	11725				
				S. Pac	7215				
			2130	Eur	6035	7215			
		2100	2130	E&W Pac	11725	15160			
				NA	15160				
				S. Pac	7215	15240			
			2200	PNG/Pac	9620				
			2130	2200	Eur	6035			
		2230	E&W Pac	11725	15160	15320			
		2400	NA	15160	15320				
			S. Pac	15240					
	2200	2400	Asia	11820					
	2230	2300	E&W Pac	15160	15320				
	2300	2400	E&W Pac	11720	15160	15320			
			PNG/Pac	15165					
AUT	Vienna	0130	0200	NA	5945	9770			
		0330	0400	NA	5945	9770			
		0430	0500	NA	5945	9770			
		0830	0900	Aus/As+	6155	15270	15410	17830	
		1030	1100	Aus/As	17810	21490			
		1230	1300	Eur/As	6155	7225	9625	9770	
				NA	17770				
			1300	1330	As	7225	9625		
			1500	1530	S.As. +	6155	9690	11825	12015
			1830	1900	Af/FE +	6155	9545	11760	11935
BEL	Brussels	2130	2200	Eur/As+	5945	7255	9555	11665	
		0030	0115	NA	5910	9880			
		0715	0800		21810				
		1400	1445	NA/FE	17610	21815			
		1910	1930	Afr/Eur	5895	15590			
		1915	2000	Afr/Eur	5895	15590			
		2200	2245	Afr/Eur	5895	9900			
		BGD	R. Bangladesh	1230	1300		15280	17800	
				1815	1915		15280	17800	
		BLZ	R. Belize	1100	0515	reg	3285		
BRZ	Brasilia	0200	0300	NA	15290		Eng + Span		
		1800	1900	Eur	15280				
BUL	Sofia	2000	2100	Eur	15190				
		0000	0100	NA	9700	11720			
		0400	0500	Afr	11720	15160			
				NA	7115				
		0730	0800	Eur	9700	11720			
		1830	1930	Afr	9740	11735	11880	15310	
		1930	2000	Eur	9700	11720			
		2030	2130	Afr	9740	11735	11880	15310	
		2130	2200	Eur	6070	7115	9665		
		2230	2330	NA	9700	11720			
CAN	CBC No. Que. Svc.	1200	1400	NA	6065	9625		Eng/ Esk.	
		1400	1459	NA	9625	11720		FF/EE	
		1830	2330	NA	9625	11720		Eng/ Esk.	
		2330	2400	NA	6195	9625		Eng/ Esk.	
		CFMX	Montreal	0000	2400	NA	6005		low power
		CFRX	Toronto	0000	2400	NA	6070		low power
		CFVP	Calgary	0000	2400	NA	6030		low power
		CHNX	Halifax	0000	2400	NA	6130		low power
		CKFX	Vancouver	0000	2400	NA	6080		low power
		RCI	Montreal	0000	0030	NA	9755	11710	
				0030	0100	NA	5960	11850	
				0100	0130	NA	5960	11850	
				0200	0300	NA	5960	11845	
				0300	0330	NA	5960	9755	Mo-Fr
				0400	0430	NA	5960	9755	
		0615	0630	Eur	6140	7155	9760		
				ME	15235	17860	Mo-Fr		

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CTY	STATION	TIME	GMT	TARGET	F r e q u e n c i e s							
F	Paris	1600	1700	Afr	21620	21685	25820					
FNL	Helsinki	0730	0755	Eur	6120	11755						
		0800	0930	Eur	15265							Su
				ANZ/FE	21465							Su
		0930	0955	Eur	15265							
				ANZ/FE	21465							
		1200	1225	NA	15275	15400						Mo-Sa
		1300	1325	NA	15400	17800						Mo-Sa
		1330	1525	NA								Su
		1400	1425	NA	15400							Mo-Sa
				SA	25950							Mo-Sa
		1500	1525	NA	15400	17800						Mo-Sa
		1930	1955	Eur	9540	9605						
G	BBC London	0000	0030	NA	5975	6005	6010	6175	7325	9590		
					9915	11750						
		0030	0230	NA	5975	6005	6010	6175	7325	9515		
					9915	11750						
		0230	0330	NA	5975	6005	6010	6175	7325	9515		
					11750							
		0330	0430	NA	5975	6010	6175					
		0430	0630	NA	5975	6175	9510					
		0545	0600	ANZ	5975	7150	9410	9640	11955			
		0600	0630	ANZ	5975	7150	9410	9510	9640	11955		
					15310							
		0630	0700	ANZ	5975	7150	9510	9640	11955	15310		
			0730	NA	6175	9510						
		0700	0800	ANZ	5975	7150	9510	9640	11955	15310		
					21550							
		0730	0900	NA	9510							
		0800	0900	ANZ	5975	7150	9510	9640	11955	21550		
		0900	0915	ANZ	11750	15280	21550					
				NA	6195	9510						
		0915	1030	ANZ	11750	21550						
		1030	1130	ANZ	9740	11750	21550					
		1100	1330	NA	5965	6195	17775	15070	15215			
		1130	1430	ANZ	9740	15070						
		1330	1500	NA	15070							
		1430	1500	ANZ	9740							
		1500	1615	NA	9515	9740	11750	15070	15260			
		1615	1745	NA	9515	9740	15070	15260				
		2000	2115	ANZ	5975	7320	9410					
				NA	6175	11750	15260					
		2115	2200	NA	5975	6175	11750	15260				
		2200	2245	ANZ	9570							
			2300	NA	5975	6175	7325	9915	11750	15260		
		2300	2330	NA	5975	6010	6175	7325	9590	9915		
					11750	15260						
		2330	2400	NA	5975	6005	6010	7325	9590	9915		
					11750							
	VOA Woofferton	0300	0400	Eur +	7200							
		0400	0600	Eur +	6040	7170	7200					
		0600	0700	Eur +	6040	7170	7200	7325				
		0700	0800	Eur +	6035	7170	7200	7325				
		1500	1700	Eur +	15205							
		1700	2200	Eur +	6040	9760						
		0015	0100	NA	9730	11975						
		0100	0145	NA	9730	11975						
		0230	0315	NA	9730	11975						
		0300	0345	LA	9600	9620						
		0330	0415	NA	9560	11840	11890					
		0445	0530	Afr	9500	11960						
		0630	0715	NA	9560	11890						
		0645	0730	SEA	15450	17700	21465	21540				
		0815	0900	FE	21540							
		0945	1030	FE	21540							
		1215	1300	SEA	15450	17880	21465	21540				
		1245	1330	Afr	9665	11890						
				ME	9730	11700	15240	17755				
		1330	1415	SEA	15450	17880	21465	21540				
		1515	1600	SEA	15450	17880	21465					
		1545	1630	Afr	15255	17830						
				ME	15100							
		1615	1730	Eur	6115	7185	7300	9730				
		1745	1830	Eur	6115	7260	9730					
		1815	1900	Afr	9665	15170	15390					

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CTY STATION	TIME	GMT	TARGET	F r e q u e n c i e s					
GDR RBI Berlin	1915	2030	Eur	6080	6115				
	1945	2030	Afr	9665	11785	15390			
	2130	2215	Eur	6080	9560				
	2215	2300	Eur	6080					
GFR V. Germany	2315	2400	LA	6070	9600	9620			
	0100	0150	NA	6040	6085	6145	9545	9565	11785
	0200	0250	SEA	6035	7285	9690	11945		
	0430	0515	Afr	6065	7150	7225	9565	9765	
	0500	0550	WNA	5960	6120	9545	9690	11705	
	0600	0630	W.Afr.	9620	11765	11905	15275	17875	
	0930	1020	ANZ/As.	9650	15275	17780	17800	21540	21680
	1230	1315	Afr	15410	17765	17800	21400		
	1500	1550	Afr	9735	11965	15135	21400		
	1610	1650	S.As.	7110	9585	11785	15405	17825	
	1930	2020	Afr	11785	15150	17705			
	2100	2150	ANZ/As.	7130	9765				
	VOA Munich	0430	0500	Eur	3980				
0500		0800	Eur	6060					
0600		0800	Eur	3980					
1700		1730	Eur	3980					
GHA R. Ghana	1600	2000	Afr	6130					
	0100	0400	ME +	9740	11925				
GRC VOA Kavala	0400	0500	ME +	11925	15205				
	0500	0700	ME +	9770	11925	15205			
	0700	0800	ME +	9760	11920	15205			
	1300	1500	ME +	15205					
	1500	1800	ME +	9700	15260				
	1800	2200	ME +	9700					
	0600	0800	ME +	5965	15185				
VOA Rhodes	2100	2200	ME +	7205					
	0130	0150	NA	9420	9865	11645			
Voice of Greece	0330	0350	NA	9420	9865	11645			
	0930	0950	ANZ	9420	15055				
	1030	1050	Japan	17910					
	1230	1250	NA	9420	9865	11645			
	1530	1550	NA	11645	15055	17910			
	1830	1850	Afr	11645	15055	17910			
	2330	2350	SA	9420	9865	11645			
GTM TGNA R. Cultural	0300	0430	CA	3300	5955				
	1830			15312					
GUI RTVG Conakry	0000			11715					
GUM TWR - Agana	0845	1000	Japan	11840					
	1330	1430	India	9510					
	1500	1600	India	9535					
	2330	2400	India	11715					
	0300	0500		4820					
HND Voz Evangelica	0200	0230	NA	6025	9585	9835	11910	12000	15220
	0300	0330	NA	6025	9585	9835	11910	12000	15220
	0400	0415	NA	6025	9585	9835	11910	12000	15220
	1030	1100	ANZ/FE	9835	11910	15160	15220	17710	21525
	1150	1220	Eur	6025	7155	9585	9835	11910	15160
	1530	1600	Asia	6025	7155	9585	9835	11910	15160
	1700	1730	Eur	6025	7155	9585	9835	11910	15160
	2100	2130	Eur	6025	6110	9585	9835	11910	12000
	0230	0325	NA	6165	9590				
	0530	0625	NA	6165	9715				
	0700	0720	Asia/ME	21485					
			Eur/Afr	5955	9895	11930	15560		
		0730	0825	ANZ	9715	9770			
	0830	0925	ANZ	9715					
	0930	1020	Eur	5955	6045	9895	11930	15560	
	1330	1420	Eur	5955	6020	9895	11935	17605	
	1430	15	-s/SEA	11735	17605	21480			
	1830	1920	Afr/Eur	6020	11740				
	2030	2120	Afr	9715	11730	11740	15220	17605	
HTI 4VEH	1100	1400	CARIB	9770	11835				
	1700	2000	CARIB	9770	11835				
	2300	2400	CARIB	9770	11835			SUN ONLY	
IND All India Radio	0000	0110	SEA	7215	9595	11765	15110		
		0115	E.As.	11875	15275	17785			
	1000	1100	ANZ	15160	17705	17875			
			E.As.	15320	17387	17855			
	1330	1500	SEA	11810	15335				
	1745	1830	ME	9595	11620				
	1800	2000	E.Afr.	11830	15265				
	1845	2000	Eur	7255	9665	11620			

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IND	All India Radio	1945	2045	Afr	9755	11865				
		2000	2230	Eur	7255	9665	9912	11620		
		2045	2230	ANZ	9595	9912	11755			
		2245	2400	E.As.	9655	11875	15275			
				SEA	7215	9595	11765	15110		
INS	Jakarta	0100	0200	PAC	11790	15150				
		0800	0900	PAC	11790	15150				
		1500	1600	PAC	11790	15150				
	RRI Yogyakarta	1130	1200	HS	5047					
IRN	Tehran	1930	2030	Eur	9022	11930				
IRO	Baghdad	0300	0400	NA	21585					
		2130	2230	Eur	9610					
ISR	Israel Radio	0000	0030	NA	7410	9815	11655			
		0100	0125	NA	7410	9815	11655			
		0200	0230	NA	7410	9815	11655			
		0500	0515	ANZ/SEA	21710					
				NA/Eur	7410	9009	9420	9815	11960	
		1100	1130	ANZ/SEA	15620					
		NA/Eur	11610	13745	15585	17630	21495			
		1800	1830	NA/Eur	9890	11590	13720			
		2000	2030	Afr	9009					
				NA/Eur	9440	9815	11655	11960	13745	
		2230	2300	NA/Eur	7410	9815	11655	11960	13745	
ITL	Rome	0100	0120	NA	5970	9575				
		0350	0410	S.Aisa	9710	11905	15330			
		0425	0440	Med	6165	7275				
		1935	1955	Eur	7275	7290	9575			
		2025	2045	ME	7235	9575	11800			
		2200	2225	Japan	5990	9710	11800			
IUC	Abidjan	1900	2000		11920					
		0000	2400	FE	3910	6155	11750	15260		
J	AFRTS FE Net. R. Japan	0000	0045	NA	15300	17825				
		0100	0130	NA +	9675	17755	17810			
		0130	0230	NA/CA	15195	17825	21610	21640		
		0300	0330	NA +	9675	17755	17810			
		0500	0530	NA +	9675	15300	17810			
		0700	0715	NA +	15300	17785	17810		+ 15235 Sines	
		0800	0830	Eur	17870	21610				
		0845	0945	ANZ	11875	15235				
		0900	0930	NA +	9505	15195	17785			
		1100	1130	NA +	9505	9435	15195			
		1215	1245	SEA	11875	15235				
		1300	1345	NA +	9505	11815	11840			
		1500	1545	NA +	9505	9675	11815			
		1615	1645	S.As.	9645	11840				
		1700	1730	NA +	9505	9675	11815			
		1830	1900	Eur	9645	11705				
		1900	1945	NA +	9675	11815	15300			
		2015	2045	ME/Afr	9645	11705				
		2100	2130	NA +	9675	11815	15300			
		2215	2230	NA +	9580	9645	15210	15235	17755	
		2300	2330	NA +	9645	15210	15235	17755		
		2345	2400	NA	15300	17825				
JOR	Amman	1500	1700	Eur	9560					
KAM	Phnom Penh	0000	0030	SEA	9695	11940				
		1200	1215	SEA	9695	11940				
KIR	R.Kiribati	0630	0730	Pac	16434					
KOR	R. Korea	0200	0300	NA	11810	15575				
		0600	0700	Eur/ME	11820	15575				
		0930	1030	GOS	7275	9640				
		1100	1200	Afr/ME	5975	15575				
		1300	1330	GOS	6135					
		1400	1500	NA	9750	15575				
				SEA	9570					
		1600	1700	Eur/ME	9870	11810				
				GOS	5975					
		2200	2300	Afr/ME	7550					
				Eur/ME	15575					
KRE	Pyongyang	0600	0750	Eur	9360	11660	11985			
		0800	0950	SEA	9765	11830	15245	15340	15375	
		1100	1250	NA	9745	9977				
		1300	1450	SEA	11880	15340				
		1500	1650	Afr	4405	9625	9977	11880		
		1700	1850	Afr	4405	9625	9977	11880		
		2000	2150	Eur	3560	6576	9360	11660		

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KRE	Pyongyang	2300	0050	NA	9745	15230		
KWT	Kuwait	0500	0800	ANZ/As	15345			
		1800	2100	NA +	11675			
LBN	Beirut	0230	0300	NA	11955			
		1830	1900	Afr	11705			
LBR	ELWA	0555	0800	Afr	4765			Mo-Th
		0455	0830	Afr	4765			Sa-Su
		0700	0900	Afr	11830		Sa/Su	Eng + other
		0800	0815	Afr	4765			Fr
		1300	1630	Afr	11830		Su	Eng + other
		1630	2115	Afr	11830			Eng + other
	VOA Monrovia	0300	0500	AFR	6035	7280	11835	15240
		0500	0600	AFR	6035	7280	15600	
		0400	0800	AFR	6035	7280	11915	15600
		1600	1800	AFR	7195	15600	17870	
		1800	2300	AFR	7195	15445	15600	17870
LBY	Tripoli	2100	2300	NA	11815			
LSO	BBC - LESOTHO	0400	0915	AFR	9515			
		1030	1730	AFR	11830			
		1800	2015	AFR	6190			
LUX	Luxembourg	0000	0245		6090			
MCO	TWR Monte Carlo	0530	0545	Eur	9610			
		0800	0940	Eur	9495			Su to 1000
MLA	Kuala Lumpur	0555	0825	SEA	6175	9750	15295	
MLT	R. Medit.	2230	2330		6110			
MNG	Ulan Bator	1200	1235	As/Pac	7310	9615	12015	not Su
		1400	1435	As/Pac	7235	12015		not Su
		1445	1520	As/Pac	7235	12015		not Su
MOZ	Maputo	0400	0430	Afr	3265	4855		
		1100	1130	Afr	9525	11660	11820	
MRC	VOA Tangier	0400	0500	Eur +	9715			
		0600	0800	Eur +	6095			
		1700	1830	Eur +	15205			
		1830	2200	Eur +	11760	15205		
NAT	TWR - Bonaire	0400	0455	NA	9535			
		0455	0600	NA	9535			
		1115	1235	NA	15255			
		1235	1337	NA	15255			
		1337	1352	NA	15255			
NCL	R. Noumea	0900	1100	Pac	7170	11710		ever heard
NIG	Lagos	0500	0600	AFR	7255	11770	15120	17800
		0600	0700	AFR	11770			
		0700	0800	AFR	11770	15120	15185	17800
		0800	0830	AFR	11770			
		0830	1000	AFR	11770	15120	17800	
		1000	1200	NA	15120			
		1200	1400	CARIB	15120			
		1400	1530	ANZ	15120			
		1500	1600	AFR	11770			
		1530	1700	IND	15120			
		1700	1800	AFR	11770			
		1800	1900	AFR	11770	15120	17800	
		1900	2100	AFR	11770			
		2100	2200	AFR	15120	17800		
NOR	R. Norway	0000	0030	NA +	9525	9565	9590	11870
		0400	0430	NA +	9565	9570	9705	11870
		0500	0530	NA +	6015	9565	11865	15165
		1000	1030	ANZ +	9590	15205	17825	17860
		1300	1330	NA +	9590	15175	15225	25615
		1400	1430	NA +	9590	15205	17840	17855
		1600	1630	NA +	6015	15205	17800	25615
		1700	1730	Eu/Af +	9590	15175	15225	21730
		1900	1930	FE/NZ +	9590	9625	15175	15225
		2000	2030	FE/NZ +	9525	9590	11860	15175
		2200	2230	Eu/Aus +	6015	9610	9670	15175
NPL	R. Nepal	0220	0230		5005	9590		
		1435	1530		5005	9590		
NZL	R. New Zealand	0000	0515	Aus/Pac	15485			
			0530	Pac	17705			
		0530	1215	Aus/Pac	6105			
				Pac	11960			
		1800	2100	Pac	11960	15485		
		2100	2115	Pac	11960			
		2105	2400	Aus/Pac	15485			
		2115	2400	Pac	17705			
OMA	R. Oman, Muscat	0900	1100		9735	11890		

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PAK R. Pakistan	0230	0245	SEA	15325	17840	21595				
	0340	0345	Afr	15325	17640					
	1040	1045	Indon	17640	21755					
	1100	1115	EUR	17665	21800					
	1600	1615	ME	15150	15455	17640	17660			
	1645	1745	EUR	11670	15515					
	1650	1655	TurKey	13605	17620					
PHL AFRTS - Poro	0000	0200	Ind.Oc.	21670						
	0300	1500	Ind.Oc.	21670						
	1500	1900	Ind.Oc.	26000						
	1900	2230	Ind.Oc.	15305						
	0000	0030	PHL	6030						
FEBC Manila		0500	As	11890						
		1000	PNG	21475	or	21515				
	0500	1000	ANZ	11890						
	1245	1600	As	15440						
	2300	2400	As	15450						
			PHL	6030						
R. Veritas Asia	0000	0030	SEA	21475	or	21515				
	1130	1200	SEA	15195	15280					
VDA	1430	1500	Asia	9605	11770	15210				
	0000	0100	FE	11955	15240					
	0100	0300	FE	9770	11760	15185	15290	17740	17820	
	0300	0400	FE	15210	17735					
	1100	1330	FE	15210	17745					
	1330	1500	FE	6110	7230	9760	11715	15160	15425	
	1500	1600	FE	6110	7230	9760	15160	15425		
	1800	1700	FE	6110	9760					
	1700	1800	FE	6110	9575	9760	15445	21680		
	1800	1900	FE	6110	9575	21680				
PNG NBC Pt Moresby	2200	2400	FE	9770	11760	15290	17740	17820	26000	
	0800	1400	HS	3925	4890					
POL Warsaw	0200	0400	NA	6095	6135	7145	7270	9525	11815	
				15120						
	0630	0700	Eur	6135	7270	9675				
	1200	1225	Eur	6095	7285					
	1230	1300	Afr	9525	9675	11840	15120			
	1400	1430	Eur	6095	7285					
	1500	1530	Eur	5995	6095	7285				
	1600	1630	Eur	6135	9540					
	1630	1700	Afr	7125	9525	9675	11840			
	1730	1800	Eur	5995	6135	9540	9675			
	1830	1855	Eur	5995	6135	7285				
	2000	2025	Eur	5995	6095	7285				
		2030	Afr	7125	7145	9525	9675			
	2030	2055	Eur	6095	7285					
	2230	2300	Eur	5995	6135	7125	7270			
POR AWR - Sines R. Portugal	0800	0830		9670			Sun			DX px
	0300	0330	NA	6060	11925					
	0530	0600	NA	6075	9575					
	1600	1630	ME/Ind	15140						
	1700	1730	Afr	17880						
	1800	1830	Afr	15250	17880					
	2030	2100	Eur	6025	9740	11775				
ROM Bucharest	0200	0300	NA	5990	6155	9510	9550	9570	11810	
				11940						
	0400	0430	NA	5990	6155	9510	9550	9570	11810	
				11940						
	0530	0600	Afr	11840	11940	15535	15380	17745	17790	
	0645	0715	Pac	11940	15250	15335	17790	17805	21665	
	1045	1100	Eur	11940	15250	17720				
	1200	1230	Asia	15335	17720	21665				
	1300	1330	Eur	9690	11940	15250	11720			
	1500	1530	Asia	11775	11940	15250	15335			
1730	1800	Afr	11940	15335	15365	17790	17805	21665		
1930	2030	Eur	6190	7135	7195	9690				
2100	2130	Eur	5990	6190	7135	7195				
SAB Kota Kinabalu	1130	1600	HS	4970	5980					
	0300	0545	S.Afr	3250						
SAF Radio 5	0550	1525	S.Afr	7170						
	1530	2200	S.Afr	3250						
	2200	0300	S.Afr	3250						
Radio Orion Radio RSA	0200	0300	NA	5980	9615	11730				
	0300	0430	E.Afr	3230	4990	5980	7270	9585		
	0630	0730	Eur/Afr	7270	11900	15220	17780			

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SAF Radio RSA	1100	1200	Eur/Afr	15220	21535	25790	
	1300	1600	Eur/Afr	9585	15220	25790	
	2100	2200	Eur/Afr	9585	11900	15185	
SABC Home Svc	0348	0755	S.Afr	4835			
	0600	1515	S.Afr	11790			
	1135	1230	S.Afr	11900			
	1520	2200	S.Afr	4835			
SAI KYOI Saipan	0000	0100	Japan	9670			
	0100	0900	Japan	15190			
	0900	1600	Japan	11900			
	1600	2400	Japan	9670			
SAR Jiddah	1000	1300	Afr	11855			
	1700	2100	Afr	11855			
SEY FEBA	0025	0030	Afr	11865	15320		alt 11895 15325
	0300	0400	Afr	11865	15320		alt 11895 15325
SLM Solomon Is. BC	0000	0730	Pac	5020	9545		EE/PD
	0730	1130	Pac	5020			EE/PD
	1900	2030	Pac	5020			EE/PD
	2030	2400	Pac	5020	9545		EE/PD
	0000	1605	SEA	5052	11940		
SOM Mogadishu	2200	2400	SEA	5052	11940		
	1100	1130	Afr	9585			
SPN Madrid	0000	0200	NA	9630	11880		
	0530	0630	NA	9630	11880		
	1930	2030	Eur/ME	9765	11690	11840	
	2030	2130	Afr	15375			
SRI AWR via SLBC	0330	0400	Asia	9720	15425		
	1100	1130	Asia	11835	15120	17850	
	1330	1400	Asia	9720	15425		
	1430	1500	Asia	9720	15425		
	0030	0430	ASIA	9720	15425		
Sri Lanka B.C.	1030	1130	Asia	11835	15120	17850	
	1230	1600	Asia	9720	15425		
	0100	0400	FE	7115	11710	15250	
VOA Colombo	1300	1500	FE	7125	9645	15395	
	1500	1900	FE	7105	9645	15395	
	0230	0300	NA	9695	11705		
	1100	1130	Eur/ANZ	9630	17845		
SWE Stockholm	1230	1300	Afr/FE	9745	21690		
	1400	1430	NA/S.As	17850	17860		
	1600	1630	S.Asia	6065	11920		
	1830	1900	Afr	6065	11845		
	2100	2130	Af/ME	9710	9715		
	2300	2330	NA	9695	11710		
	0145	0215	NA	6135	9635	9725	11715
	0430	0500	NA	9725	11715		
	0700	0730	ANZ	9560	15305	21520	21695
	0900	0930	ANZ	21520	21695		
SWI Swiss Radio Int	0900	0930	ANZ	9560	15305	21520	21695
			Asia	21520	21695		
	1100	1130	Afr	15430	17795	21520	25780
	1315	1345	Asia	9625	17785	17830	21520
			NA	21570			
	1530	1600	Afr	11805	15430	17830	21520
	1815	1845	Afr	12035	15125	15415	17850
	2145	2215	Afr	11910	12035	15305	15570
			SA	15570			
			dom	4950			
SWK RTM Sarawak	1400	1600	dom	4950			
SWZ TWR Swaziland	0430	0530	Afr	5055	9730		
	0530	0600	Afr	5055	7295	9730	
	0600	0615	Afr	7295	9730		
	0615	0700	Afr	7295	9730	11760	
	0700	0735	Afr	7295	11760		
	1600	1700	Afr	5055	9635		
	1700	1800	Afr	4760			
	1800	1845	Afr	4760	9635		
	1845	2015	Afr	4760			
			As	9655	11905		
THA R. Thailand	0500	0600	As	9655	11905		
	1130	1230	As	9655	11905		
	2330	2400	As	9655	11905		
	0300	0400	NA/SEA	9560	9730		
TUR Ankara			SEA	17760			
	1230	1300	Asia	15125			
	2000	2100	Eur	7155			
	2200	2300	NA +	6130	7215	9560	9730

Guide to English Shortwave Broadcasts, by country, compiled 2/15/84

CTY	STATION	TIME	GMT	TARGET	F r e q u e n c i e s						
TWN	VOFC Taipei	0100	0200	ANZ	17890						
				NA	11825	15345					
		0300	0350	ANZ	17890						
				NA	11825	15345	17800				
		2030	2130	Eur	9765	11860	15225	17720			
	2140	2240	ANZ	17890							
				NA	11825	15345	17800				
						now	15525	??			
	WYFR relay	1300	1600	India	15325						
TZN	R. Tanzania	0330	0430	S.Afr.	9750						
		0900	1030	S.Afr.	9750						
		1530	1915	S.Afr.	9750						
UAE	Dubai	0330	0400	NA	9595	11730	15435				
		0530	0600	ANZ/FE	15435	21700					
		1030	1100	Afr/Eur	17775	21655	21695				
		1630	1700	Afr	11955	15300	15320				
UGA	Kampala	0300	0430	NA	15325						
		0000	0100	NA/Afr	11790	15330					
USA	AFRTS - Bethany	0100	0200	NA/AZ	6030	11790	15330				
		0200	0700	NA/AZ	6030	11790					
		0900	1100	AFR	9530						
		1100	1700	NA/Afr	15330						
		1700	2300	NA/Afr	15330	15345					
		2300	2400	NA/Afr	11790	15330					
		AFRTS - Delano	0000	0430	FE	17765	21570				
			0430	0700	FE	15330	17765				
			1000	1600	FE	9700	11805				
			1600	1700	FE	11805	17765				
AFRTS - Gvl	1700	2100	FE	15345	17765						
	2100	2400	FE	17765	21570						
	0000	0100	NA/ME	15430							
	0900	1100	NA/ME	9590							
			1300	NA	6030						
KGEI	San Fran.	1100	2400	NA/ME	15430						
		2130	2200	LA	15280						
V.Free	China	0200	0300	NA	5985	11740					
		0300	0400	NA	5985						
		0610	0710	WNA	5985	11740					
VOA	Bethany	0000	0200	NA/LA	17730						
		0300	0600	NA/Afr	9575						
		0600	0800	NA/Afr	6125	9550					
VOA	Delano	1600	2300	NA/Afr	21485	26000					
		0000	0200	NA/LA	11740						
			0400	FE	21460						
		1100	1400	FE	9565						
VOA	Greenville	1600	1900	FE	15430						
		2200	2400	FE	21460						
		0000	0400	NA/LA	5995	6130	9650	15205			
		0300	0600	Eur/Afr	5995	9670					
VOA	Delano	0600	0800	NA/Afr	6080	9530					
		1100	1400	Eur/Afr	21840						
		1400	1700	Eur/Afr	21840	26040					
		1700	2200	Eur/Afr	15410	15580	17785	21840	26040		
WINB	Red Lion	0000	0330	NA/LA	15145						
		1600	2000	NA/Eur	17730						
		2000	2245	NA/Eur	15185						
		2245	2345	NA/Eur	15145						
		2345	2400	NA/LA	15145						
WRNO	N.Orleans	0000	0200	NA	7355						
		0200	0400	NA	6045						
		0400	0600	NA	6185						
		0600	1300	NA	6185						
		1300	1500	NA	9715						
		1500	1800	NA	11940						
		1800	2000	NA	17775						
		2000	2200	NA	15420						
		2200	2400	NA	11965						
		WYFR		0000	0100	NA	6065	15365			
0100	0400			NA	6065	9715					
0400	0600			NA	6065						
0600	0800			NA	6015	6065	7355	9680	9852		
1300	1400			NA	9535						
1400	1500			NA	15215						
1500	1700			NA	15215	15365					
1700	1800			NA +	15215	15365	15440	17845	21510	21615	
1800	1900			NA	15365						
1900	2000			NA	15215	15365					

EE+LL

Guide to English Shortwave Broadcasts, by country, compiled 2/15/84

CTY	STATION	TIME	GMT	TARGET	F r e q u e n c i e s									
USA	WYFR	2000	2100	NA +	9600	11805	11925	15170	15215	15365				
		2100	2200	NA +	9600	11925	15215	15365	17845					
		2200	2300	NA +	7355	9852	15215	15365	17845					
		2300	2400	NA +	15365	17845								
USR	R. Kiev	0200	0230	ENA	9710	11790	15100	15240	17870					
		1800	1830	EUR	6020	6175	7260	9580						
		2330	2400	ENA	9685	11790	15100	15240	1780					
		2300	2330	NA	9685	9750	15100							
		R. Vilnius	R. Yerevan	RM NA Svc	0000	0100	ENA	6110	7190	9530	9610	9640	9710	
								9750	9760	11750	11780	12050	15140	
								15450	17720					
					0100	0200	ENA	6110	7190	9610	9640	9700	9710	
								9750	9760	11750	11780	12050	15140	
								15450	17720					
	0200	0300	ENA	6110	7190	9610	9640	9710	9750					
			9760	11750	11780	12050	15140	15450						
	0300	0400	ENA	6110	7190	9700	9750	9760	11750					
			11780	12050	15140	15450	17720							
	0400	0500	WNA	9660	12010	12050	15140	15450	15470					
	0500	0700	WNA	9660	9790	11710	11750	12010	15470					
	0700	0800	WNA	9790	11710	11750	12010	15470						
	2300	2400	ENA	7190	9530	9640	9710	9750	9760					
				11750	11780	12050	15140	15450	17720					
RM	World Svc	0000	0100	ANZ	9560	15130	15380							
				SEA	7160	7320	9650	11840	12010	15170				
					17880	21470								
		0100	0200	ANZ	15130	15680	21530							
				SEA	7160	7320	9650	11720	11840	12010				
					15170	17880	21470	21640						
		0200	0400	SEA	7160	9650	11720	11840	15510	17760				
				ANZ	15130	15380	17820	21530						
				SEA	17820	17880	21470							
		0300	0400	Afr	15520									
				HE	7130	12050								
		0400	0500	Afr	9490	9810	11800	11930	15520	21450				
				Eur	7150	7310	9610	11950	12010	12060				
				NA	6110	7150	9610	9750	9760	11790				
				SEA	9530	15460	15510	17760	17820	17880				
				ME	7130	12050	15350							
				0500	Eur	15300								
		0500	0600	SEA	21470	21640								
				Afr	15130	15520	15530	17830	21540					
				Eur	7150	7310	7360	9450	9610	11950				
				NA	7150	9610	9680	9750	9760	11790				
				SEA	9530	15180	15280	15460	17710	17760				
				0800	ANZ	15130	15380	17800	17820	21530				
				0600	Eur	12010	12070	15300						
				0700	SEA	17820	17880	21470	21640					
				0600	0700	Afr	15130	15520	17830	21540				
						Eur	7150	7310	7360	9450	9610	11700		
		0800	ME	7130	12050	15350	15500							
11790	11950			12010	12070	15300								
0700	0800	Afr	15260	15470	15520	21450	21510	21540						
		Eur	7150	7360	9450	9610	11700	11790						
		SEA	9530	15170	15180	15280	15460	17710						
		Eur	11950	12010	15300	15450	15540							
		SEA	17730	17760	17820	17880	21470	21640						
		Afr	15260	15470	15520	17850	21450	21510						
0800	0900	Eur	9450	9610	11700	11900	11950	12010						
		SEA	9530	11820	15180	15280	15360	15460						
		1000	ANZ	15130	17820									
		ME	7130	11710	12050	15350	15500							
0900	Afr	21540	21710	21740										
		15300	15450	15540	17800	17810								
0900	SEA	17710	17730	17820	17880	21470	21600							
		17850	17880	21450	21490	21510	21540							
0900	1000	Afr	7150	9450	11700	11900	11950	12010						
		Eur	9530	11780	11820	15180	15280	15360						
		SEA	15540											
		15420	15460	15510	17700	17710	17730							
		17740	17760	17880	21470	21600	21640							
		21670	21690											
1000	1100	Eur	7150	11700	11770	11900	12010	15300						
		ME	7130	9760	11710	12050	15320	15350						
		SEA	9530	11820	15180	15330	15360	17710						

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CTY	STATION	TIME	GMT	TARGET	<----- F r e q u e n c i e s ----->																	
USR	RM World Svc	1000	1400	ANZ	15130																	
			1100	Afr	21590	21710	21740															
					Eur	15450	15540															
					ME	15500	17780															
					SEA	17730	17760	17870	21580	21640	21690											
				1100	1200	Afr	17880	21450	21490	21510	21540	21590										
						Eur	9450	11700	11770	11900	12010	15300										
						ME	7130	9760	11710	12050	15320	15490										
						NA	9600	11770	15100	15130												
						SEA	11820	15150	15180	15280	15330	17710										
						Afr	21710	21740														
						Eur	15450	15540														
						ME	17780															
						SEA	17730	17760	21640													
				1200	1300	Afr	15530	17880	21450	21490	21510	21540										
						Eur	9450	11700	11900	12010	15150	15300										
						ME	7130	9660	9760	11740	12050	15320										
						NA	9600	15100	15130	17810												
						SEA	5960	11820	15150	15180	15280	15330										
						Afr	21590	21710	21740													
						Eur	15450	15540														
						ME	15350	15500	17780	21530												
						SEA	17730	17860														
				1300	1400	Afr	15530	17880	21450	21510	21540	21590										
						Eur	9450	11700	11900	12010	15150	15300										
						ME	7130	9660	9760	11740	12050	15320										
						NA	15100	15130	15150	17810												
						SEA	15150	15430														
						Afr	21710	21740														
						Eur	15450	17810														
						ME	15350	17780	21530													
				1400	1500	Afr	11850	17880	21450	21510	21590	21710										
						Eur	9450	11700	11900	12010	15150	15450										
						ME	11740	12050	15320	15350	17780	21530										
						NA	5900	7150	7170	9790	11790	11840										
						Afr	21740															
						Eur	17810															
						NA	15130	15150	15450	17810												
				1500	1600	ANZ	17820															
						Afr	11820	11850	15460	17880	21450	21510										
						Eur	11900	12050	15450													
						NA	5900	7170	9790	11790	11840	15450										
						ME	15320															
				1600	1700	Afr	21590	21710														
						Eur	9480	9760	11820	11850	15460											
				Eur	5980	7240	9450	11900	12050	15450												
				NA	5900	7170	9790	11700	11790	11840												
				SEA	9500	12020	12040	15150	15550													
				NA	11860	15450																
		1700	1800	Eur	7390	9620	12010	15450														
				NA	5900	7170	9500	9790	11700	11790												
				SEA	9500	9760	12020	12040	15150													
				NA	11840	11860	12010															
		1800	1900	Afr	9650	9760	11850	12010	15350													
				Eur	7390	9620	12010															
				NA	7170	9500	11700	11790	11840	11860												
					12010	12050																
		1900	2000	Afr	9650	11690	11850	12010	15350													
				Eur	5980	7390	9620															
			2100	NA	9500	11700	11790	11840	11860	12010												
					12050																	
		2100	2200	ANZ	15130	15490																
				Afr	9760	11690	11820	11960	11970	12010												
				Eur	5920	5940	5980	7160	7310	7390												
				NA	9500	11700	11840	11860	12010	12050												
				Eur	9780	9800	12010															
				NA	15450																	
		2200	2300	ANZ	9560	15130	15490															
				Afr	9470	9760	11690	11790	11820	11960												
				Eur	5900	5920	5940	6140	7160	7250												
				NA	9500	9710	11750	11860	12050	15140												
				Eur	7310	7390	9780	9800	11750	11980												
				NA	15450																	
		2300	2400	ANZ	9560	15130	15380	15490														
				SEA	12010	15170																
Tashkent		1200	1230	S. Asia	5950	9650	9715	11785	15460													

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CTY	STATION	TIME	GMT	TARGET	F r e q u e n c i e s				
USR	TashKent	1400	1430	S. Asia	5950	9650	9715	11785	15460
WAT	Vatican Radio	0050	0105	NA	6015	9605	11845		
		0200	0215	ANZ	7125	9650	11865		
		0500	0515	Afr	11725	15190			
		0600	0615	Eur	6185	9645			
		0615	0630	Afr	15190	17730			Mo-We
		0715	0730	Afr	11725	15190			Mo-We
		1115	1130	Afr	17840	21485			
		1200	1215	ANZ	17865	21725			Mo-Fr
				Afr	17840	21485			
		1430	1445	ANZ	11855	15115	17845		Mo-Fr
		1445	1500	Eur	6250	7250	9645	11740	
		1545	1600	Afr	11810	15120	17730		
		2045	2100	Afr	9625	11700	11740	15120	
		2050	2105	Eur	6190	7250	9645		
		2205	2230	ANZ	6015	9615	11830		
VTN	Hanoi	1000	1030		9840	12035			
		1100	1130		9840	12035			
		1330	1400		10040	15010			
		1600	1630		10040	15010			
		1800	1830		10040	15010			
		1900	1930		10040	15010			
		2030	2100		10040	15010			
		2300	2400		9840	12035			
YUG	Belgrade	1530	1600		9620	15240	15300		
		1830	1900		6100	9620	11735		
		2000	2030		6100	7240	9620		
		2215	2230	NA	6100	7240	9620		

NOTICE PLEASE

Glenn Hauser is relocating and has asked to be relieved of the necessity of submitting his "Listeners Notebook" column this month and possible next month. Dan Ferguson has filled the space nicely for March with his English Schedule and sneds the following letter:

Dear Bill,

Enclosed is the requested printout of the "by country" portion of Guide to English Shortwave Broadcasts for use in the March issue of FRENDX. As a former publisher of FRENDX I am keenly aware of the problems involved in even the temporary replacement of a section and am, of course, delighted any time I can be of some help in the production of the bulletin.

The listing by country is only a portion of a regular issue of GESB. The information in the by country listing is greatly expanded in the listing by time, so that each broadcasts is listed once during each hour it is on the air. The January issue had a listing by country 11-1/2 pages in length, with the listing by time 21 pages long. In addition, the January issue had 2 additional lists presenting the broadcasts to North America extracted from the main lists. Over 40 pages of data were included in the January issue. Presently, plans are for the March issue to also have all four lists, though the smaller extractions of broadcasts to North America likely will not always be included. The main lists, by country and by time, will, however, be included in each issue.

GESB is published every other month. Cost of a single issue is \$3.00, or six issues for \$15.00, in North America. It is available overseas by airmail; rates available on request. Payment should be to me, Dan Ferguson, in US funds, by check or money order drawn on a US bank. The address:: Dan Ferguson, Box 8452, South Charleston, WV 25303.

Again, I'm delighted to be of help, and I hope you find the format of the printout acceptable.

73, Dan

QSL REPORTS



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

ALASKA: KNLS 6170 f/d ltr. in 2 wks. v/s Francis M Perry, Director of Engineering.(Field-MI). same in 11 ds. for 2 IRCs.(Cobb-ME). in 12 ds. for ms.(Fortney-PA). in 27 ds. for ms.(Ravenhorst-MN). in 16 ds. for ms.(Schlesinger-TX). f/d ltr. in 12 ds. for ms.(Wilkins-CO). in 18 ds. for ms.(Swaringen-NC). in 1 mo. for ms.(Kusalik-ALB). 11820 f/d form ltr. in 13 ds. for ms.(Foltz-MI).
ALBANIA: Radio Tirana 7120 f/d "Revolutionary" cd. in 239 ds.(Fortney-PA). 5020 via Gjirokaster w/ n/d cd. in 67 ds.(Cones-VA).

ANTARCTICA: Radio Nacional San Gabriel LRA36 15473 f/d blue and white cd. w/ call letters in 5 mo. for ms. v/s Hector Luis Repetto, Mayor. decal, pennant rcvd. (Kusalik-ALB). same in 1 mo. after 3 f/up rpts. decal rcvd.(Onken). 15476 n/d cd. w/ sticker in 5 wks for a SP rpt.(Plum-NJ).

ANTIGUA: Deutsche Welle 9545 f/d "30 Jahre" cd. in 69 ds. for 1 IRC.(Wilkins-CO). n/d cd. in 25 ds.(Fulton-TX). 17800 f/d "World Map" cd. in 7 wks.(Swaringen-NC).

ARGENTINA: RAE 15345 f/d "Logo" cd. w/ Malvinas stamp in 31 ds. for 1 IRC. v/s Roxana Larghi.(Muzyka-NY). 11710 f/d cd. in 42 ds. w/ pennant(Dill-

ARMENIAN SSR: Radio Moscow 15435 via Erevan f/d "Bolshoi Theatre" cd. in 50 ds. on-PA) schedule rcvd.(Hosmer-MI).

ASCENSION ISLAND: VOA 21490 f/d "Lighthouse" cd. in 10 ds.(Huniwell-NJ). BBC 15260 n/d "Bridge" cd. in 2 mo.(Swaringen-NC).

ASIATIC RUSSIA: Radio Moscow 15100 via Khabarovsk f/d cd. in 6 wks.(Foltz-MI). 9655 via Komsomolsk-on-Amur f/d cd. in 56 ds.(Fortney-PA). 15455 via Petropavlovsk f/d cd. in 5 wks.(Plum-NJ). same in 50 ds.(Hosmer-MI).

AUSTRALIA: Radio Australia f/d "Seals" cd. in 54 ds.(Fulton-TX). 6035 via Carnarvon f/d "Forest Kingfisher" cd. in 20 ds.(Reinstein-FL).

AUSTRIA: ORF 11665 f/d "Contemporary Austrian Art" cd. in 90 ds. w/ schedule and sticker.(Talbot-ALB).

BALI: RRI Mataram 3223 p/d ltr. in 46 ds. for an IN * rpt.(Barto-CT).

BELGIUM: BRT 5910 f/d "Het Steen - Antwerpen" cd. in 37 ds.(Cones-VA). 17610 f/d form ltr. in 26 ds.(Dillon).

BELIZE: Radio Belize 3285 f/d "Map of Belize" cd. in 40 ds. for 2 IRCs.(Muzyka-NY).

BOLIVIA: Radio Nacional Cochabamba 5975 f/d color photo of * "La Cordillera Real" in 5 mo. for a SP rpt. and ms. v/s Rogildo Fontenelle Aragao.(Lobdell-MA).

BONAIRE: Radio Nederland 9590 f/d "Painting" cd. in 30 ds.(Gaff-in-NY). 6165 f/d cd. in 15 ds.(McRoy-IL).

BORNEO(Kalimantan): RRI Banjarmasin 3250 f/d "Floating Life" cd.

* in 17 ds. for an IN rpt. v/s Mohammad Fachriansjah.(Kusalik-ALB).

BRASIL: Radio Timbira do Maranhao 4975 ltr. in 48 ds. for an EG rpt. * v/s Joao Ferreira, International Correspondant.(Warner-AUST). f/d

personal ltr. in 35 ds. for a PT rpt. and ms.(Streeter-NY). Radio Cultura do Para 5045 p/d form cd. in 389 ds. for a PT rpt.(Schlesin-

* ger-TX). Radiodifusora Acreana 4885 f/d ltr. in 1 mo. for a PT rpt. v/s Eduardo Jorge George.(Field-MI).

BULGARIA: Radio Sofia 7115 "Bridge at Nessebur" cd. in 38 ds. w/ schedule.(Fortney-PA).

BYELORUSSIAN SSR: Radio Moscow 15150 via Minsk f/d cd. in 63 ds.(Ravenhorst-MN). f/d "Yachting Stadium" cd.

in 29 ds.(Schlesinger-TX). f/d cd. in 6 wks.(Foltz-MI). f/d "Bolshoi Theatre" cd. in 50 ds.(Hosmer-MI).

CANADA: CFVP 6030 f/d "Calgary Skyline" cd. in 19 ds. for ms. v/s C. Posie.(Hosmer-MI)...Nice for 100 watts! same

in 3 wks. for 1 IRC after a f/up rpt.(Valko-PA). CFCX 6005 f/d "Logo" cd. in 12 ds.(Dillon-PA), same in 136 ds.

for ms. Sticker rcvd.(Talbot-ALB). Deutsche Welle 6085 via Sackville f/d cd. in 50 ds.(Rigas-IL).



CHAD: Radio Mondou 5286 Trans World Radio

* p/d ltr. in 74 ds. for a FR rpt. and 2 IRCs. v/s Dorong Guela. Very nice personal ltr. rcvd. (Hosmer-MI). same in 50 ds. for a FR rpt. and ms. (Gavaras-MN).

CHINA, PEOPLES REP: Radio Beijing 9860 f/d "Tiantan Park" cd. w/ pennant and stickers in 23 ds. Also rcvd. bookmarkers. (Cones-VA). same in 17 ds. w/ pennant. (Gurley-TX). Urumqi PBS 4735 f/d cd. via Beijing in 6 wks. (Huniwell-NJ). CPBS 5265 f/d "Costume" cd. in 5 wks. (Huniwell-NJ).

CLANDESTINE: Voice of the Committee for Solidarity:

* 11700 via Radio Clarin (DR) f/d prepared cd. in

* 303 ds. for ms. (Rigas-IL). Radio Vatan 15555 via Cairo (?) 4 n/d cds. in 5 mo. for an EG rpt. and 1 IRC. (Rigas-IL). same w/ 4 cds. in 75 ds. for 3 IRCs. (Gavaras-MN). same in 3 mo. for 2 IRCs. (Or-

* Radio Frie Sranan-Radio Free Surinam 6850 f/d ltr. in 100 ds. w/ poster. v/s Ir. M. Nasrullah. (Gavaras-MN). f/d ltr. in 78 ds. for an EG/DT rpt. and 2 IRCs. Poster and sticker rcvd.

* (Ravenhorst-MN). Radio Mambi 7076 rcvd. back a photocopy of my rpt. w/ hand written note on the top. (Valko-PA). Radio Venceremos 6844 n/d form ltr. in 47 ds. for a SP rpt. for 1 IRC. (Raven-

* horst-MN). La Voz del CID 5106 f/d cd. in 37 ds. for a SP rpt. (Barto-CT). 7400 cd. in 6 wks. for rpt. sent to Washington DC. QSL arrived via Costa Rica. (Huniwell-NJ). 5106 f/d cd. in 1 mo. for a

* SP rpt. and ms. (Foltz-MI). Radio Maximo Gomez via La Voz del CID 11680 f/d cd. in 20 ds. for a SP

* rpt. and 2 IRCs. Addr: Apartado 8130, San Jose 1000, C.R. (Gavaras-MN). Radio Nejat Iran

11660 p/d ltr. in 23 ds. via Bonn, FRG. (Barto-CT). Thanks for the suggestions! Column looks good with a Clandestine Section... Sam.

COLOMBIA: Ondas del Darien 6085 p/d personal ltr. in 20 ds. for a SP rpt. and ms. v/s Manuel Cordona Agudela, Gerente. (Schlesinger-TX).

COSTA RICA: Radio Reloj 6006 red, white and blue "Logo" cd. in 2 wks. for a SP rpt. v/s Francisco Barabona G. (Valko-PA). 4832 p/d cd. in 44 ds. for an

* EG rpt. and 1 IRC. (Talbot-ALB).

CUBA: Radio Moscow 6115 via Habana f/d cds. in 36 ds. (Harris-FL). Radio Habana

Cuba 11760 f/d "View of Habana" cd. w/ FDCs in 126 ds. (Fortney-PA).

CYPRUS: BBC 7135 n/d "London Bridge" cd. in 60 ds. (Swaringen-NC). 6180 f/d prepared cd. w/ "East Mediterranean Relay Station" stamped on the cd. in 21

ds. (Plum-NJ)... Very good!

DJIBOUTI: Radio TV Djibouti 4780 "Logo" cd. in 1 mo. for a FR rpt. and 2 IRCs.

* Power is 20kws. (Valko-PA)

DODECANESE (Rhodes):

VOA 15305 f/d cd. in 18 ds. (Cobb-ME).

DOMINICAN REP: Radio Earth via Radio Clarin 11700 cd. in 143 ds. for ms. (Warner-AUST). cd. in 5 mo. (Field). same in 156 ds. v/s Jeff White. (Fortney-PA). cd. in 48 ds. for ms. (Kleiner-NY). p/d cd. in 175 ds. (Rigas-IL).

* Radio Santiago 6120 f/d ltr. w/ DX Magazine in 11 mo. for a SP rpt. and ms. (Craighead-KS).

ECUADOR: HCJB 11835 f/d cd. in 16 ds. (Craighead-CZECH). 17890 f/d cd. in 20 ds. (Dillon-PA).



LA VOZ DE LAS AMERICAS
1,140 Kilociclos
CIUDAD GUATEMALA
Felicis Pascuas y Prosperos Novena
-60-





ECUADOR: HCJB 9745 f/d cd. in 28 ds. for ms. v/s Roger Stubbe. (Dye-AR). same in 23 ds. (Merrill-ME). f/d "Indigenous People" cd. in 22 ds. (McRoy-IL). 6095 "10th Anniversary" cd. in 100 ds. for 2 IRCs. v/s John Trautschold. (Park-HI). Radio Jesus del Gran Poder 5050 n/d folder cd. w/ pennant in 4 mo. on my 6th try! For a

SP rpt. and ms. (Lobdell-MA). no veri just a request for contributions after 3 rpts. in SP! (Craighead-KS). cd. in 3 wks. for a SP rpt. (Hun- well-NJ). Ondas Quevedenas 3325 n/d white "Feliz Ano Nuevo" cd. in 2 mo. for a SP rpt. (Lobdell-MA). Radio Bahai 4995 cd. w/ ltr. and poster in 10 mo. (Craighead-KS). Radio Rio Amazonas 4870 personal ltr. in 543 ds. for a SP rpt. and ms. v/s Prof. Mario Diaz D., Sticker rcvd. (Schlesinger-TX). Radio Cultura Antena Libre 3240 p/d ltr. in 47 ds. for a SP rpt. v/s Luis E. Velasco Leon, Gerente. (Barto-CT). Radio Zaracay 3395 p/d ltr. in 3 wks. w/ pennant for a SP rpt. and ms. v/s Elssy Cun C., Secretaria. (Plum-NJ). Radio La Voz del Napo 3280 cd. w/ personal ltr. in EG for a SP rpt. (Field-MI). Emisoras Gran Colombia 4910 n/d ltr. in 126 ds. for a SP rpt. and ms. v/s Nancy Cevallos Castro de Espinosa. (Stephany).

EGYPT: Radio Cairo 9475 f/d cd. in 139 ds. (Dillon-PA).

EL SALVADOR: Radio El Salvador 9553 n/d personal ltr. in 50 ds * v/s Aracely Hurtado, Secretaria. (Warner-AUST). ner-NJ

ENGLAND: BBC 5975 cd. in 19 ds. (Gurley-TX). 11750 cd. in 47 ds. (Bruck- EUROPEAN RUSSIA: Radio Moscow 21590 via Serpukhov f/d cd. in 59 ds. (Hosmer) 9785 via Armavir f/d cd. in 77 ds. (Hosmer-MI). 11920 via Moscow cd. in 77 ds. (Hosmer-MI). 9610 via Tula f/d cd. in 77 ds. (Hosmer-MI).

FALKLANDS: FIBS 3958 f/d white cd. in 1 mo. for 3 IRCs. v/s A.R. Davis, Broadcast * Secretary. card #110. (Kusalik-ALB).

FEDERAL REP. OF GERMANY: Deutsche Welle 5960 via Wertachtal f/d cd. in 50 ds. (Rigas-IL). 6085 cd. in 1 mo. (Plum-NJ). 21600 via Julich f/d cd. in 36 ds. (Bruckner-NJ). 3995 f/d cd. in 50 ds. (Rigas-IL). RFE/RL 21455 via Lamberheim cd. in 7 ds. (Rigas-IL). RFE 11815 via Biblis p/d cd. in 17 ds. (Barto-CT). Sender Freies Berlin-Radio Bremen 6190 f/d cd. w/ sticker in 16 ds. for 2 IRCs. (Stephany-NY). Bayerischer Rundfunk 6085 p/d "Antenna Tower" cd. in 78 ds. for an EG/GM rpt. (Reinstein-FL). VOA 3980 via Munich f/d cd. in 25 ds. (Cones-VA). 11000-PA).

FRANCE: Radio France International 17620 f/d "Cinquante Ans" cd. w/ pennant in 23 ds. (Di- GABON: Africa No. 1 11755 p/d cd. in 41 ds. for a FR rpt. (Barto-CT). 4811 same in 275 ds. (Schlesinger-TX). Swiss Radio International 11715 f/d cd. in 27 ds. for 2 IRCs. (Cobb).

GERMAN DEMOCRATIC REP: Radio Berlin International 9730 and 9620 f/d "Art" cds. in 35 ds. (Fortney-PA). 9620 f/d cd. in 43 ds. (Gaffin-NY). 17880, 15450, 21465 and 21540 f/d "Sch- werin" cds. in 33 ds. (Barto-CT).

GHANA: GBC 4915 f/d cd. in 20 mo. for 2 IRCs. (Cobb-ME). same in 23 wks. for ms. (Wilkins).

GREENLAND: Gronlands Radio 3999 p/d cd. in 42 ds. for 3 IRCs. v/s Tom Mikkelsen, Tech- nical Director. (Harris-FL)...Very nice!

GREECE: VOA 15205 f/d cd. in 10 ds. (Huniwell-NJ). Voice of Greece 11645 f/d "Ydra Island" f/d cd. in 34 ds. (Barto-CT).

GRENADA: Radio Free Grenada 15105 p/d cd. in 3 1/2 yrs! for 2 IRCs. * v/s Caroline Gellineau. Posted a few days prior to the inter- vention. (Warner-AUST).

GUAM: KTWR 9510 f/d "Studio" cd. w/ pennant for ms. v/s Debbie Blosser (Smith-OH). same in 23 ds. w/ pennant for 3 IRCs. (Kleiner-NY).

GUATEMALA: Union Radio 6090 cd. in 2 mo. for a SP rpt. (Marroquin-IL). Radio Mam 4825 f/d ltr. w/ cd. in 39 ds. for a SP rpt. and 1 IRC. v/s Herminio Perez Lopez, Director. (Cones-VA). La Voz de Nahuala 3360 f/d cd. w/ personal ltr. in 25 ds. for a SP rpt. and ms. v/s Juan Fidel Lepe Juarez. (Stephany-NY). Radio Chortis 3380 f/d ltr. in 6 wks. for a SP rpt. (Marroquin-IL).

HAITI: Radio 4VEH f/d cd. in 29 ds. for 2 IRCs. v/s Mrs. Edna Beachy, QSL Secretary. (Paszkie- wicz-WI). same in 43 ds. for 1 IRC. (Cones-VA).

HONDURAS: La Voz de Mosquitia 4910 personal ltr. in * EG from Sammy Simpson in Tupelo, MS. in 1 wk. Also rcvd. paper pennant. (Valko-PA). Radio Luz y Vida HRPC 3250 f/d form ltr. in 26 ds. for an EG rpt., tape and 2 IRCs. v/s Don Moore. 800 watts. (Sgr- ulletta-NY). f/d cd. in 36 ds. for a SP rpt. and ms. (Schlesinger-TX).

QSL COLUMN REPORT FORMS ARE AVAILABLE FROM YOUR EDITOR FOR SASE





NOTE: For a limited time only, and only for those interested, I will be able to supply sample reception report forms with translations for SWBC stations in the following languages: Spanish, Portuguese, French, Indonesian, Russian, Chinese and English. Price is \$.50 each. I also have report forms for utility stations in Spanish, Portuguese, English, Dutch and French. Price for each is \$.50. You can purchase the entire package for \$5.00. Remember - the personal approach is still the best way to send your reception reports; however, should you desire to use report forms, they can be personalized to suit your own style. Please send all orders to your QSL Editor.

ICELAND: ISBS 13797 f/d "Thingvellir" cd. in 118 ds. for 2 IRCs. (Pate-MD).

IRAQ: Radio Baghdad 9610 f/d "Logo/Map" cd. in 100 ds. for 2 IRCs. (Lare-MI). same in 47 ds. w/ schedule. (Dillon-PA).

IRELAND: Radio Dublin International 6910 f/d cd. in 244 ds. for 2 IRCs. v/s Eamon Cooke, * Station Manager. (Warner-AUST). World Music Radio 6910 via RDI f/d cd. in 125 ds. for 3 IRCs. v/s Lee Alvin. Addr: P.O. Box 39, St. Leonards-on-Sea, TN38 0EL, England. (Step-
ISRAEL: IBA 11655 f/d cd. in 44 ds. (Merrill-ME). 9815 f/d "Shalom" cd. in many-NY). 45 ds. (Dillon-PA). f/d cd. in 50 ds. (Hosmer-MI). same in 76 ds. (Fortney-PA).
ITALY: RAI 9575 f/d cd. in 50 ds. for 1 IRC. (Gaffin-NY). Radio Time 6275 f/d green "Logo" cd. in 328 ds. for a taped rpt. (Streeter-NY). f/d personal ltr. w/ sticker in 331 ds. * for 2 IRCs. (Warner-UK). IRC via Radio Time 6275 f/d cd. in 385 ds. for 2 IRCs. Sticker rcvd. (Streeter-NY).

JAPAN: Radio Japan 15300 p/d "Dancers Fan" cd. in 17 ds. w/ calendar/schedule. (Forsgren). Radio Tampa JOZ 3925 f/d cd. w/ sticker in 27 ds. (Barto-CT). same in 64 ds. (Reinstein).
KAMPUCHEA: Voice of Kampuchea 11938 f/d ltr. in 3 yrs. (Warner-UK). f/d cd. in 185 ds. via * Phon Penh. (Rigas-IL).

KOREA, PEOPLES REP: Radio Pyongyang 9977 cd. in 180 ds. (Swaringen-NC).
KOREA, REPUBLIC OF: Radio Korea 9750 f/d cd. in 5 wks. (Foltz-MI). 11810 f/d "Newspaper" cd in 29 ds. (Harris-FL). 9570 f/d "30th Anniversary/Stamps" cd. in 69 ds. (Stephany-NY).
KUWAIT: Radio Kuwait 11675 f/d folder cd. in 27 ds. for 3 IRCs. Sticker rcvd. (Eckert-PA). same w/ sticker in 36 ds. (Dye-AR). 21685, 15110, 17650, 15495 and 9750 f/d cds. in 43 ds. w/ sticker. (Barto-CT).

LEBANON: King of Hope 6215 f/d cd. in 6 ds. w/ sticker. (Hosmer-MI). same in 27 ds. w/ sticker for 2 IRCs. (Stephany-NY). f/d "Logo" cd. in 10 ds. (Plum-NJ). in 11 ds. (Sgrulletta)
LESOTHO: Lesotho National Broadcasting Service 4800 f/d "Map" cd. in 550 ds. for 2 IRCs. * (Stephany-NY). f/d cd. in 373 ds. for a taped rpt. and 3 IRCs. (Matthews-OH). same in 456 ds. for ms. (Hensley-TX).

LIBERIA: ELBS 6090 f/d "Sound of Progress" cd. in 71 ds. for ms. (Stephany-NY). 3255 f/d "Logo" cd. in 83 ds. for 1 IRC. (Cones-VA). ELWA 11830 f/d "Studio" cd. in 90 ds. for 3 IRCs. v/s F. Manuel. (Cones-VA).

LIBYA: Radio Jamahiriya 11816 f/d "Rainbow" cd. in 200 ds. via Malta. (Fortney-PA) f/d cd. in 3 wks. for 2 IRCs. (Foltz-MI). same cd. in 38 ds. for 3 IRCs. (Kleiner-NY). f/d cd. in 42 ds. (Warner-AUST). 11815 f/d cd. in 5 wks. after a f/up rpt. (Valko).

LUXEMBOURG: Radio Luxembourg 6090 f/d "Staff" cd. for 2 IRCs. (Bruckner-NJ).

MALAGASY REP: Radio Nederland 11740 f/d "Karel Appel" cd. in 25 ds. (Dillon-PA)

MALTA: Deutsche Welle 9565 f/d cd. in 68 ds. (name?)



MALTA: Deutsche Welle 9590 via Cyclops f/d cd. in 50 ds. (Rigas-IL). IBRA Radio 9515 f/d "CN Tower" cd. in 28 ds. (Cones-VA).

MANCHURIA: Heilongjiang PBS 4925 f/d "Native Costumes" cd. via Beijing w/ pennant in 30 ds. (Streeter-NY).

MEXICO: XEQM 6105 f/d ltr. in 1 mo. for a SP rpt. and ms. v/s Raul Dominguez Avila, Director. (Orcutt-CA). same in 434 ds. for a SP rpt. and ms. (Schlesinger-TX).

MONTERRAT: Deutsche Welle 11705 f/d cd. in 3 wks. for 2 IRCs. (Foltz-MI). same in 64 ds. (Ravenhorst-MN). same in 70 ds. for 2 IRCs. (Cobb-ME). 9545 f/d cd. in 60 ds. (Pate-MD).

NAMIBIA: Radio SWA 3295 via Windhoek f/d "Nature Park" cd. in 2 mo. (Field-MI). f/d cd. in 65 ds. for 2 IRCs. (Paszkiewicz-WI). same in 105 ds. w/ sticker for 2 IRCs. v/s Jackie DeBruin, Public Relations Officer. (Plum-NJ). f/d "Aloe Dichotoma" cd. in 26 ds. (Barto-CT). 3270 f/d cd. w/ sticker in 106 ds. for 3 IRCs. (Forsgren-WI).

NEW BRITAIN: Radio West New Britain 2340 f/d ltr. in 16 ds * for ms. v/s A.L. Rumina, Provincial Station Manager.

NEW CALEDONIA: Radio Noumea 7170 p/d personal (Warner-AUST) ltr. in 38 ds. for a FR rpt. and 2 IRCs. (Cones-VA).

NEWFOUNDLAND: CKZN 6160 f/d "Map" cd. in 5 wks. for 1 IRC. v/s Dave Uttaro. (Swaringen-NC). same in 65 ds. for ms. Sticker rcvd. (Hosmer-MI).

NICARAGUA: La Voz de Nicaragua 5950 f/d ltr. in 74 ds. for 1 IRC. v/s Rodolfo Garcia G., Director of the International Shortwave Dept. Pennant and stamps rcvd. (Cones-VA).

NIGERIA: FRCN 4770 via Kaduna f/d ltr. in 74 ds. for 3 IRCs. v/s Yusuf Garba. (Kleiner-NY). f/d form ltr. in 70 ds. for ms. (Wilkins)

NORWAY: Radio Norway International 17840 f/d "Costume" cd. in 38 ds. w/ sticker. (Dillon-PA). 21700, 15165 and 15180 p/d "Røstad" cd. in 40 ds. (Barto-CT).

PAKISTAN: Radio Pakistan 15515 n/d ltr. in 97 ds. for 2 IRCs. (Pate-MD).

PERU: Radio Atlantida 4790 n/d ltr. w/ key chain, sticker and calendar in 179 ds. for a SP rpt. and ms. v/s Socorro Saavedra Angulo, Secretaria de Gevercia. (Streeter-NY). n/d ltr. in 210 ds. for a SP rpt. and ms. Key chain rcvd. (Fortney-PA).

* Radio Cultural Amauta 4955 n/d "Huanta" cd. in 1 mo. for a SP rpt. (Field-MI). Radio Cusco 6195 f/d cd. in 28 ds. for a SP rpt. and ms. Pennant

* rcvd. v/s Elena Lizarraga Pacheco Coneba, Gerente. (Stephany-NY). Radio Huanta 2000 4746 f/d ltr. in 4 wks. for a SP rpt. (Huniwell-NJ). Radio Imagen 5035 personal ltr. w/ form cd. in 363 ds. for a SP rpt. and ms. v/s Victor D. Coral Perez, Gerente General. (Schlesinger-TX). Radio Madre de Dios 4950 f/d personal ltr. in 192 ds. for a SP rpt. and ms. v/s Frco. Javier Aniz. (Streeter-NY). 4951 f/d cd. w/ personal ltr. in 53 ds.

* for a SP rpt. (Barto-CT). Radio Tawantinsuyo 6175 personal ltr. w/ prepared cd, post cds, and booklet on "Feast of the Sun" rcvd. in 3 wks. for a SP rpt. v/s Hilda O. de Montesinos, Sub-Gerente. Her husband Raul is actually the Director. (Lobdell-MA). f/d folder cd. in 135 ds. for a SP rpt. and ms. (Warner-AUST). Radio Tarma 4775 f/d ltr. w/ bookmarker rcvd. in 89 ds. for a SP rpt. and ms. v/s Mario Monteverde P., Gerente. (Streeter-NY). personal ltr. w/ postcards in 45 ds. for a SP rpt. and ms. (Warner-AUST). Radio Tropical 4935 cd. w/ pennant in 65 ds. for a SP rpt. v/s Juan Pablo Mori. (Warner-AUST)

PHILIPPINES: FEBC 11890 f/d "Sunset" cd. in 43 ds. for 3 IRCs. v/s Mrs. Alida Landman. (Hos-PORTUGAL: IBRA Radio 9670 cd. w/ leather mer) handicraft article from Argentina in 15 ds. for 1 IRC. (Smith-OH). Deutsche Welle 11865 via Sines f/d cd. in 50 ds. (Rigas-IL). Radio Portugal 6075 f/d cd. in 26 ds. (Gurley-TX).

RFE 17835, 9595, 21615, 15255, 15215 and 21725 via Gloria p/d cds. in 17 ds. (Barto-CT).



We are pleased to confirm your reception of our broadcast

on 9505 kHz 2355 - GMT
via Don Hosmer

Don Douglas Miller
(Signature)

Don Douglas Miller
GOLDEN GATE BRIDGE The majestic Golden Gate Bridge in San Francisco, California, stretches from the San Francisco shore to the north side of the Bay. Phenomenon known as "water light" makes the city look sparkling white.

RADIO ATLANTICO DEL SUR

BRINGING TRUTH
TO THE FRONT

SCHEDULE

AM 9700 KHz 0830 - 0930 GMT
PM 9710 KHz 2300 - 0200 GMT

Radio Atlantic del Sur, P.O. Box 466, London, UK.

VERIFICATION SIGNERS: Radio Nacional Tabatinga 4815 Jorge Alberto Scanduzzi, Chief of the Engineering Dept. Radio Anhanguera 4915 Maria Lucia de Brito. Radio Mondou 5289 Dorong Guera Ketchoua, Director. Radio Iris 3380 J. Antonio Marchan, Sub-Gerente. Radio Imagen 5035 Victor D. Coral, Gerente-General. Radio Tarma 4775 Mario Monteverde V., Gerente. Radio Huayllay 6140 Balilio Ricra Hinostroza, Executive Director. Radio Los Andes 6010 Angel Marquez. Radio Brasil Central 4985 Jose Pedro Rego, Director. Radio Feira de Santa Ana 4865 Marisa Caponi. Radio Cobija 4855 Nestor Murillo Pardo and Albert Lazarte Chacon, Director. Radio Rio Amazonas 4870 Marco Diaz D., Gerente. RRI Surabaja 3975 Agus Widjaja. Radio Calari 4785 Luiz Raymundo Rivoiro. Radiodifusora Aguidauana 4795 Ceter de Oliveira. RRI Yogyakarta 5047 Siswadi, Kepala Stasiun. RRI Tanjung Karang 3395 Drs. H. Hamdan Syahbeni, Kepala. Radio Tachira 4830 Desiree Gozales, Public Relations. Radio Bunia 5066 J. Gailloux.

PORTUGAL: Adventist World Radio 9670 via Sines f/d "Lisbon Street Scene" cd. w/ ltr. in 36 ds. for 2 IRCs. v/s Jennifer Robertson. This was the stations first report from the USA in several months. Pennant and stamps rcvd. (Hosmer-MI).

RIO MUNI (Equatorial Guinea): Radio Ecuatorial * 4926 f/d prepared cd. in 2 mo. for a f/up rpt. on a 1977 reception. (Foltz-MI).

ROMANIA: Radio Bucharest 11830 f/d "Art Foresters" cd. w/ sticker and schedule in 72 ds. for 1 IRC. (Bruckner-NJ). 5990 f/d "Stephen the Great" cd. w/ schedule in 77 ds. (Cones-VA). 9510 f/d "Prince Dragos" cd. in 78 ds. (Cones-VA).

RWANDA: Deutsche Welle 7225 f/d cd. in 78 ds. v/s Peter Senger. (Paszkiwicz-WI). 17800 f/d "30th Anniversary" cd. in 70 ds. for 2 IRC (Cobb-ME). 6040 f/d cd. in 7 wks. (Swaringen-NC).

SAIPAN: KYOI 9670 f/d "Bird" cd. in 6 wks. for ms. v/s James Kintaro. (Kusalik-ALB).

SCOTLAND: Radio Lynda 6262 f/d cd. w/ sticker and information package in 46 ds. for 2 IRCs * This after a f/up rpt. (Warner-UK).

SENEGAL: ORTS Radiodiffusion Nationale 4890 f/d "Emblem" cd. in 10 wks. for an EG rpt. and 1 IRC. (Swaringen-NC). same in 70 ds. for 2 IRCs. (Pate-MD). same in 90 ds. for a FR rpt. and ms. (Plum-NJ). rcvd. cd. for a non-reception!! Didn't even hear the station!! (Gaffin)

SICILY: RAI 7175 via Caltanissetta f/d "Cateorale Art" cd. in 3 mo. (Lare-MI).

SOUTH AFRICA: Radio Five 3250 f/d cd. in 21 ds. w/ sticker. (Cones-VA). Radio RSA 11900 f/d "Ebenezer Dam" cd. in 21 ds. (Dillon-PA). f/d "Pilgrims Rest" cd. in 22 ds. (Fulton-TX). SABC 4880 f/d cd. w/ schedule in 20 ds. (Cones-VA).

SPAIN: Radio Exterior de Espana 9630 f/d cd. in 30 ds. (Merrill-ME).

SRI LANKA: VOA 9645 f/d cd. in 26 ds. (Cones).

SWEDEN: Radio Sweden International 17860 f/d "Logo" cd. in 24 ds. (Dillon-PA).

SWITZERLAND: Swiss Radio International 3985

* via Lenk f/d cd. in 31 ds. (Barto-CT). f/d cd. in 3 wks. v/s J. A. Chisholm. (Field-MI). 21570 f/d cd. in 27 ds. (Merrill-ME).

17830 f/d "Logo" cd. in 26 ds. (Dillon-PA).

TAIWAN: Voice of Asia 5980 f/d cd. w/ badge in 79 ds. (Warner-AUST).



RADIOVATICANA

TANGIER: VOA 9760 f/d cd. in 20 ds. for 2 IRCs. (Cobb-ME).

TANZANIA: Radio Tanzania 9750 p/d "Map of Africa" cd. in 2 mo. for a taped rpt. and 4 IRCs. (Matthews-OH). 5050 p/d cd. in 81 ds. for ms. (Schlesinger-TX).

TIBET: Radio Tibet via Beijing f/d cd. w/ pennant in 3 wks. for 1 IRC. (Onken). (Cobb-ME).

TOGO: Radio Togolaise 5047 f/d cd. in 220 ds. for 2 IRCs.

TURKEY: Voice of Turkey 9515, 9610 and 9660 f/d cds. of "Saint Nicholas" in 35 ds. (Barto-CT).

TURKMEN SSR: Radio Moscow 15540 via Ashkhabad f/d cd. in 6 wks. (Foltz-MI).

UKRAINIAN SSR: Radio Moscow 11770 via Kiev and 15485 via Simferopol f/d cds. in 71 ds. (name?) 17860 via Vinnitsa f/d cd. in 29 ds. (Barto-CT). 15135 f/d cd. in 50 ds. (Hosmer-MI). 21530 via Ivano-Frankovsk f/d cd. w/ pennant in 59 ds. Personal ltr. rcvd. (Hosmer-MI).



UNITED ARAB EMIRATES: Dubai Radio and Colour TV 11730 f/d "Map/Logo" cd. in 44 ds.

Pennant rcvd. v/s K. J. Fenner. (Dillon-PA).

UPPER VOLTA: Radiodiffusion Nationale 4815 f/d form ltr. in 5 wks.

for a FR rpt. and 1 IRC. (Foltz-MI). same w/ personal ltr. in

29 ds. for a FR rpt. and ms. v/s W. Lamien, Directeur

URUGUAY: Radio El Espectador 11835 (Reinstein).

f/d prepared cd. in 30 ds. for a SP rpt.

and ms. v/s Hugo A. Magnani Dupetit

Jefe de Programacion. (Gavaras).

USA: VOA Delano 9565 f/d cd. in 16

ds. (Foltz-MI). 21460 f/d cd. in 8

* ds. (Paszkiewicz-WI). 9505 via Dixon

f/d cd. in 63 ds. for a SP rpt. v/s

Rosita Lecuona. (Wilkins-CO). VOA 15580

f/d cd. in 11 ds. (Merrill-ME). WRNO

6185 f/d cd. in 2 wks. for ms. (Smith-OH).

9705 p/d cd. in 4 mo. (Gaffin-NY). 15420

p/d "Saints" cd. in 1 mo. for ms. (Wilkins-

CO). 17895 p/d cd. in 136 ds. (Park-HI).

WYFR 9680 f/d "10th Anniversary" cd. in 63 ds.

for ms. (Hosmer-MI). WINB 15145 f/d "Logo" cd.

in 9 ds. for ms. (Harris-FL). KGEI 9615 f/d cd.

in 20 ds. (Harris-FL). Voice of Free China 5985

via WYFR f/d cd. w/ pennant in 51 ds. (Dye-AR).

USA (Pirates): Radio Alchemy 1631.5 large yellow cd. in

* 2 wks. (Valko-PA). Radio Clandestine 7390 ltr. in 109

* ds. v/s R.F. Burns. (Rigas-IL). KPRC 6280 p/d cd. in

* 53 ds. for SASE. (Ravenhorst-MN). Voice of Tomorrow 7410

f/d cd. in 127 ds. for SASE. v/s Phillip Carey. (Raven-

* horst-MN). KOSB International 7431 f/d ltr. in 25 ds. for

ms. (Kleiner-NY). 15050 f/d ltr. in 26 ds. (Cobb-ME).

VATICAN: Radio Vatican 6015 f/d cd. in 21 ds. for ms. (Dye-AR).

VENEZUELA: Radio Juventud 4900 f/d cd. in 1 mo. for a SP rpt.

* (Valko-PA). Radio Nacional 9530 f/d "Feria de San Sebastian"

cd. w/ pennant and sticker in 40 wks. for a SP rpt. and ms. v/s

Luis Fernandez and Fabricio Ojeda Diaz. (Wilkins-CO). Radio Tach-

ira 4830 f/d cd. in 108 ds. v/s Desiree Gonzalez. (Warner-AUST).

Radio Barquisimeto 4990 f/d cd. in 149 ds. for a SP rpt. and ms.

VIETNAM: Voice of Vietnam 10080 f/d cd. in 115 ds. (Warner-AUST).

(Paszkiewicz-WI). 10040 f/d folder cd. in 96 ds. (Fortney-PA). 15010

same cd. in 12 wks. (Plum-NJ).

WEST BERLIN: RIAS 6005 f/d "Antenna" cd. in 13 ds. for 1 IRC. (Stephany-NY).

WEST IRIAN: RRI Sorong 4875 f/d cd. w/ prepared cd. in 3 1/2 mo. for an IN rpt.

* v/s A.F.C. Usmany, Pimpinan. (Foltz-MI). RRI Manokwari 6188 p/d ltr. in 46

ds. for an IN rpt. Schedule rcvd. v/s Abdul Rachim BA, Kepala. (Barto-CT).

* RRI Fak-Fak 4789 p/d ltr. in 52 ds. for an IN rpt. v/s R.F.

Simangunsong, Kepala. (Barto-CT).

YEMEN, PEOPLES DEMOCRATIC REP: PDRYBS 6005 pink cd. in 41 wks.

* for 2 IRCs. New Addr: P.O. Box 1222, Steamer Point, Aden. v/s

M.S. Moosa. (Howard-CA).



NOTE: Very good this time with 108 countries reported. We sure had several good ones with Rio Muni, Greenland, Djibouti, Chad, Falklands, Scotland, West Irian and a usual fine selection from Ecuador and Peru...Thank you.

MINISTERIO DE INFORMACION Y TURISMO
RADIO NACIONAL

Estimado oyente: Ronald Howard.

confirmamos su informe de recepción de fecha: 23/6/82

en la frecuencia: 9529 Khz. Banda: 31 Mstros.

Entre las 8:33 hasta 9:39 Horas UTC.

Lo verificamos con la presente OSL - Gracias.

Club de la Amistad
Radio Nacional
Apartado Postal 3979
Caracas, Venezuela

Not all that much space left to answer some of your letters. Best of DX to everyone and if you have any additional comments on improving the QSL Column, please send them.

735
Law



JERRY A. LINEBACK, Editor
115 Wroxton
Conroe, TX 77304

MARCH 1984

Hello fellow DXers. Thanks for the many contributions received for this issue of Scoreboard in which we Spotlight South America. Many of you now have heard all 15 South American countries since the new FIBS channel opened. C/H = countries heard and C/V = countries verified. Country counts are by the rules established in the NASWA Radio Countries List and Awards Program booklet available from headquarters.

The deadline for the next Scoreboard will be 15 May for the June issue of FRENEX. We have made the complete cycle for the Spotlight and the Spotlight will return to Africa for the next issue.

Thanks to all our contributors. Please share your DX totals with others through Scoreboard. We are looking forward to hearing from you. Remember, you must update at least once a year for your name to remain on the Scoreboard.

NAME, STATE	C/H	C/V	S	AMER	BEST	NAME, STATE	C/H	C/V	S	AMER	BEST
					QSL						QSL
James Young, CA	229	217	14	13	Galapagos	Al Niblack, IN	200	130			
John Tuschcherer, WI	227	15	R	Qollasuyo	Paul Buer, FL	199	184	14	13	R	Apintie
Irving Johnson, CA	226	62	15	2	Guyana	Mark Koukol, IL	199	174	15	14	Galapagos
Bob Padula, Aust.	223	217	14	14	Encarnacion	Mike Ryan, CA	199	171			Galapagos
Edward Kusalik, Alb	220	206	15	14	R Apintie	C. J. Orekar, CA	198	184	15	15	FIBS
Al Sizer, CT	218	217	15	14	R Charitas	John Sgrulleta, NY	197	196	14	14	HCJB 26020
Jerry Berg, MA	218	216	15	15	R Teleco	Jim Uerlings, OR	196	54	15	3	Guyana
Bryan Clark, NZ	218	200	15	15	ZPA10 Par.	Henry Lazarus, LA	195	192	15	15	R Padilla
Marlin Field, MI	217	213	15	15	R Apintie	Ron Howard, CA	184		14	R	MEC Brasil
Tom Williamson, Ont	216	201	15	15	FIBS	Vladimir Cucura, PA	195	106	15	8	R Apintie
Bill Sparks, CA	215	211	15	15	R N Cochabamba	S. Reinstein, FL	191	131	14	10	R Antena Libre
William Flynn, CA	212	193	15	14	R Apintie	Robert Vance, FRG	189	164	14	14	Galapagos
Tom Gavarras, MN	212	197	15	15	FIBS	Martin Foltz, MI	188	151	14	14	R Andina
Nobuaki Takahashi, J	212	175	12	10		C. Vernon Hyson, NC	187	170	14	14	Espectador
Al Miller, OH	211	203	15	14	Galapagos	Henry Ward, Que.	187	163	14	12	Uruguay
Serge P. Neumann, AZ	211	197	14	14	R Apintie	Terry Palmersheim, MN	186	149	13	12	Espectador
Terry Krueger, FL	210	131	15	12	Chile	Jerry Lineback, TX	186	107	14	11	R Maranhao
Gerald Bishop, PA	208	181	15	13	HCJB 100W	John Hunsell, NJ	184	177	15	15	FIBS
Victor Jaar, Que	208	4				Robert Fleck, TX	184	155	15	14	Galapagos
Neal Ferdue, AL	207	55	15	2	FIBS	Richard Davis, CO	183	164	15	15	FIBS
Sholom Gliksman, IL	203	173	14	14	Abaroa	John Bryant, OK	181	133	14	6	R Apintie
John Fisher, Alb.	203	167	15	14	FIBS	Jerry Johnston, KY	180	99			
Chris Lobdell, MA	202	199	15	15	El Mercurio	Hadley Cress, VA	179	8	13		
Dave Valko, PA	202	162	15	15	FIBS 2370	Stephen Leite, MA	178	150	14	13	Galapagos
Don Moore, PA/Hond.	202	149	15	13	Padilla	Del Fye, FL	178	136	15	12	Madre de Dios
Robert Wilkner, FL	202	132	Argentine	Annie		Mike Hardester, CA	176	161	14	13	FR. Guiana
Larry Abraham, MI	201	181	15	14	Galapagos	Hans Johnson, TX	176	126	15	8	R Ude Concepcio
Brett Saylor, PA	201	120	15	11	FIBS 2370	Mark Konen, WI	175	137			
William Krause, MN	200	153	13	8	HCJB 100W	Nelson George, NC	172	137	13	9	Abaroa

NAME, STATE	C/H	C/V	S	AMER	BEST	NAME, STATE	C/H	C/V	S	AMER	BEST
	C/H	C/V	QSL				C/H	C/V	QSL		
Walter Kunz, PA	172	94	14	3	SRS Surinam	J. Gary Pate, MD	123	100	14	8	FIBS
John Meyer, WI	170	125	11	5	R Apintie	Gene Purdum, MI	122	76	11	3	RAE
Mark A. Duba, VT	169	123	14	10		Leon Kanopka, NY	120	99	12	7	CRE
Don Hosmer, MI	167	123	14	8	FIBS	John Dillaman, OH	114	90	8	6	YVTO
Morley Kirkland, Ont	165	149				Boris Benkovich, B.C.	114	73	13	5	SRS Surinam
Christos Rigas, IL	164	137	14	12	R Tarma	Bill Taylor, PA	113	91	9	6	HCJB 26020
David Swaringen, NC	163	123	15	12	Espectador	Dale Park, HI	111	29	8	1	HCJB 26020
Steven Lare, MI	162	117	14	6	FIBS	Greg Hart, FL	110	60	11	5	R Baha'i
Shawn McDaniel, IN	162	56	12	2	HCJB 26020	Daniel Sampson, WI	106	65	8	5	R Juventud
Ken Cobb, ME	161	111	13	6	Fr. Juliana	Tom Mooningham, NC	97	84			
Paul Choroscy, ME	158	121	13	10		Louis Sica, Jr., NJ	96	35	8	4	LOL Argen.
Larry Cunningham, OH	158	56	14	3	RAE	Fr. John C. Eckert, PA	96		9		
Dave Maxfield, MI	158	14				Bob Gunderson, MN	94	62	9	5	Surinam
Tim Hall, CA	157	115	14	10	R Apintie	Peter Giacopelli, NY	93	79	6	5	R Bras
Bob Streeter, NY	157	115				Joe Talbot, Alb.	91	69	5	4	YVTO
Dan Miller, WI	157	23	15	1		Robert Fraser, MA	91	65			
Baxter Hensley, TX	156	140	10	7	Surinam	Homer Ingler, FL	87	63			
Norman Bobb, MN	156	1	15			Ron Tekulve, Jr., OH	82	67	5	3	RAE
Tom Laskowski, IN	153	107	13	8	R Nieva	Joe Polchopek, Japan	82	51	5	3	Argentina
Daniel Viens, NH	153	7	15	1		Frank Wheeler, KS	80	65			
Jim Green, AL	152	112	R	Excelsior, Brasil	George Tokarchick, NY	80	60				
Jim Fortney, PA	151	88	14	7	R Apintie	Ray Forsgren, WI	80	51	8	5	R Agricultur
Ken Loh, AZ	147	107	13	8	HCJB 26020	Mike Martin, IN	79	56			
Rick Krzemien, IL	147	91	13	6		Gerald Clark, IN	78	62	7	5	LV Llano
Fasquale DiBiase, ME	146	95				Robert Luke, OH	78	48	5	3	YVTO
Gayle Van Horn, TX	143	103	13	9	Suriname	Michael Monaco, NY	77	53	7	3	YVTO
Scott Warner, SC	141	104				Jean-Pierre Caravan, PA	76	50	5	3	RAE
Austin Kelly, IL	138	112	13	10	HCJB 26020	Richard Cassidy, IN	72	57	8	4	Falklands
James Clifford, FRG	138	110	11	11	Galapagos	Peter M. Dillon, PA	71	46	7	3	R Bras
George Link, CA	135	106				Rob Sobkoviak, IL	70	50			
Nolan Stephany, NY	133	113	10	6	R Apintie	Ronald Purdue, MN	70	42			
Gene Eastman, TX	132	80	14	8	HCJB 26020	Eric Mayer, OH	70	41			
Gilles Michaud, Que	131	58	13	5	Guyana	Tom Mazelrine, WA	66	55	4	4	Argentina
Timothy Noonan, WI	129	99	6	5	R Rumbos	Jack Nibecker, Mexico	64	39			
William Plum, NJ	129	97	12	8	R Bahai, Ec.	Ed Dye, AR	60	38	6	4	Ecuador
Sheryl Paszkiewicz, WI	129	94	12	6	Paraguay	Glen Piper, MI	50	25			
Frank Povsic, FL	128	74				Robert Tomko, NJ	42	26	3	3	HCJB
Arnold Lausevich, WI	126	93				Norman Drew, B.C.	41	31			
Robert L. Woods, VA	126	43	13	3	Chile	Josh Gaffin, NY	36	24			
Peter Tutak, NJ	125	90	13	8	R Atlantida						

Thanks again to all who contributed their totals. We look forward to hearing from you again. We invite all NASWA associates to share their totals with others through Scoreboard. Remember the next deadline of 15 May and the Spotlight will be on Africa. 73 JAF

FOR SALE: ICOM IC R-70 in mint condition. EEB modified (AM wide/narrow and 2.3 kHz Mechanical filter installed). Price \$500.00. ALSO: Uniden CR-2002 receiver in mint condition, \$150.00. Both receivers have manuals and original shipping cartons. I will pay U.S. to your address. Andy Finn, P.O. Box 337, West Frankfort, IL 62896. Phone (618) 932-2663 after 0100 GMT.

WANTED: Radio West KS Preselector or Autek QF-1A. Must be in perfect condition. Fred Lisanti, 8201 4th Avenue, Apt. 2E, Brooklyn NY 11209. Phone (212) 680-8164.

update

March 1984***Number 158

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

UPCOMING DEADLINES: 11 March (Mid-March) 23 March (April) 10 April (Mid-April)

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

BOTSWANA Gaberones, 4848, in EG/Setswana *0354-0424; IS and NA, into mx prgm w/ EG anncmts. Anncd as // to 7295. Checked 7295 from 0455-0525 and found EG religious prgm followed by local nx in Setswana and local and world nx in EG. Vy strong. (Lovitt, KS 2-7)

CAMEROUN Garoua, 5010, in EG/FR 0540. EG nx about Africa at t/in. Into FR 0545. Have not observed EG in this slot before. (Lovitt, KS 2-10)

CLANDESTINE R. Liberté, 9610, in FR and Creole *2059:50; fair w/ talks to t/out at 2125. (Ralphus, TX 1-29)***Congratulations on the new arrival, OM.

ECUADOR Ondas Quevedenas, 3325, in SP 1015-25 1-31; program called "El Servidor Musical Ecuatoriano." IDs, pasillos and M anncr who speaks very carefully, equally stressing each and every word. Unusual style!!! (Ralphus, TX)+++Rdfa. Gonzanama, 4271, in SP 1150 and holding up well 1-23. Already in nx relay and // Luz y Vida 4852. Regional nx features Loja provincia and ads from city of Loja. Must s/on nominally at 1130 but apparently a bit late. (Ralphus, TX)

GUATEMALA TGW/R. Nacional, 9760, in SP 1455 2-5 w/ nice signal and sports prgm called "Panorama Deportiva." (Ralphus, TX)

MEXICO R. Huaycoacota, 2390, in SP absolutely blowing in 1235 2-4 w/ ranchera mx and W anncr w/ IDs. This ought to be heard on all other continents! (Ralphus, TX)+++XEU/"La U" 6020, in SP 1230 1-31; good signal but fuzzy modulation and fady. Ads and into some kind of inspiration prgmw/ frequent t/cks as: "Faltan xx para las 7 en 'La U'." At 1240, ads w/ such plugs as "Ahora, mas nunca, mejores precios!" Promises of easy parking, too. (Ralphus, TX)

PERU R. Ondas del Huallaga, 3330, in SP 1115 on exact zero beat under CHU. Uptempo folkloric themes like reveredater huaynos. Pretty good signal on morning when lots of other Peruvians were also in. (Ralphus, TX)+++R. Huanta 2000, in SP on 4754 and reactivated on this frequency 2-3 at 1110 w/ clear ID, ex-4746, ex-4754. (Ralphus, TX)+++R. Madre de Dios, 4950, in SP daily at *1030 w/ moderate power. Opens w/ brighter version of OA na than usually heard, then over orch playing "Tonight We Love" M anncr as follows: "desde el Centro de Medios de Comunicacion Social, una voz al servicio del pueblo, OAX7L es la banda de 60 metros 4950 kcs onda corta, OAX7J...onda media...desde nuestro estudios en Puerto Maldonado...muy buenos dias, senoras y senores...nosotros iniciamos nuestra emision correspondiente al dia de hoy..." (Ralphus, TX)+++R. Los Andes, 5030, in SP 0316 1-29; answering Finnish listener's letter. (Ralphus, TX)+++LVdel Altiplano, 5815, in SP 1030 1-23 w/ bassy, Puno-style huayno followed M anncr w/ 5:30 t/c. (Ralphus, TX)+++R. Colonial, 6137½, city of Nueva Cajamarca, Depto. San Martin, finally IDed after a month of trying. First noted 1-9 and later on 1-17, 2-1, 2-4 and 2-6. Rough part is that this seems a nominal *1200 though often heard before that w/ segued Peruvian folkloric melodies until 1200 opening ID. But this is getting fairly late for OA path and latest signal held up was to 1220. Have heard carrier s/on variously at 1126, 1150, 1158, 1149 but never anncmts before 1200. Bassy-voiced M anncr, and as example 2-6 reception featured 1200 tc for 7 am and very clear mentions of "Nueva Cajamarca" and at 1205: "...a las 7 de la manana y 5 minutos aqui en Radio Colonial de Nueva Cajamarca." More talking than mx after 7 am, though an admixture of both. Pleased to have hrd this and tnx to Juan Carlos Codina for finding it in the first place. (Ralphus, TX)

Several interesting items in our feature spots this month. First from Ralph Perry some interesting information about a Peruvian station and network. Then from Hitooshi Miyashita in Tokyo, more information on clandestine stations being hrd in Japan. Finally, but certainly not least, we have more of the superb LAm DX reports from Juan Carlos Codina. Enjoy!

Upon hearing R. Esmeralda on 4501.8 last August, I wrote to LV Nasca (listed on 4495 kHz) a brief postal card asking how I might hear them since many attempts had brought no Nasca. Out of the blue, a lengthy reply to my postcard has just arrived from the Director General, Sr. Ing. Fernando Cruz Rondinel, which covers the following:

(a) LV de Nasca, nominal 4495, is not yet on SW due to no SW authorization from gov't yet. However, they are operating on a "provisional" MW freq of 1530kHz although they are licensed on 1510. Sr. Cruz says they are at times emitting harmonics in the SW spectrum, he believes. The stn has received reports for "LV Nasca" from Portugal, Australia and South Africa, but all indicated freqs between 4500 and 4502, which means Esmeraldas. Sr. Cruz thinks that Nasca's harmonics may be audible beyond Peru's borders.

(b) Second, Sr. Cruz states that he is the manager of technical quality for the network "Emisoras Cruz del Peru," to which LV Nasca is affiliated. He would like to receive recep-

tion reports from abroad (including tapes—about 15 feet of tape w/ no cassettes) on the affiliates and promises he will verify the same. Stns in network are: R. La Voz de Huamanga, 6070 on letterhead but "6199 nueva frecuencia" acknowledged by Cruz, Huancavelica, 4885, LV Nasca 4495, R. Minería 6145 "en operacion (!!!)", Andina, 4996, Andahuaylas, 4840, R. La Voz del Chira, 1490 MW and R. Horizonte, 4785 ("no opera hasta nuevo aviso"). Address for network reports c/o LV Nasca to Sr. Cruz attention. (Ralph Perry, TX)

From Hitoshi Miyashita our regular report of clandestine stns plus a bit more besides:

VoMujahedin Khalgh, *1725-1900*, now using 4190nf // 6600v. My earlier report of this in 1300-1500 slot seems to be VoIranian Kurdistan. 4190 first noted January 12. Correct early sked for this is *1300-1430* and its opening and closing theme is the same as "Vof Iraqui Kurdistan."

R. Iran (via Iraq) noted 1-20 *1332-1435* on 11775, 9594.9, 7180.6. Always check + 10 kHz if not noted on first try.

OTHER AREAS

Laos National Radio--Houa Phan, 4656v and 614lv, noted around 1200. 614l intermittently used since December 1983. The signal on 4656 is good but there is much QRM. Tnx Toshiyuki Watanabe, who specializes in Indochinese stns.

Mauritius MBC noted 1730-1835 on 4855.3 varying down from 4859. Usually s/off after NAbut on 1-18 s/off was preceded by 2x IS chimes. And, on 1-22 s/off was later by one hour.

We conclude with our regular feature from Juan Carlos Codina; whose reports this time are from January:

- 3249.5 HONDURAS R. Luz y Vida reading reception reports 0040 including one from John Moritz.
- 4554.8 BOLIVIA Although previously noted with poor modulation, this one has cleared, though heavily distorted yet but did get the following: "Esto es Bolivia," and later "informa tu Nueva America." Finally IDed as R. Nueva America and confirmed because style is similar to big city stns, but this does not conform to any harmonic of the MW freq of 840, which gives a clear harmonic on 2520.2 here in Lima. I believe that this is a genuine SW b'cast rather than a spurious or harmonic. Also noted listed 4796.5 but very poor there. This much stronger.
- 4898.1 PERU R. San Juan de Caraz, Caraz, Ancash; end of year prgm going late to 0222.
- 5224.5 COLOMBIA La Voz del Cauca, Leguisamo; also with special new year's prgms at 0330+.
- 5339.9 PERU LV del Nororiente, Peru noted as follows: this one, originally on 5340 even moved very slightly and was noted 1-1 from as early as 2000 w/ usual anncr Mario Centurion who is also owner, disc jockey, technician and all else! Asked for children of town to come and sing at stn. Suddenly, however, ID was given for Radio Continental, an obvious change from previous ID. Later heard explanation. Got a final anncmt at 2200 as follows: "Asi finaliza su primera transmision correspondiente al dia de hoy, Radio Continental, que transmite desde Andabamba, Santa Cruz, Cajamarca, Peru, quedamos muy reconocidos por so sintonia." Then annced back on at 2300 for second transmission of the day. Same people at mikes, same theme mx and so on so what this implies, I think, is that this is a mobile xmtr or that our anncr has changed his address. Not entirely sure yet but believe the former. This is what makes DXing the Peruvians so much fun--and drives people like crazy. Later heard Nororiente ID again!!!
- 5505.1 BOLIVIA Radioemisora 2 de Febrero, Rurrenabaque; Heard opening with a mass 0000 1-1.
- 5879 PERU R. Bolivar, Cajabamba varying from here to 5870 to everywhere else from 2300-2306* w/ strong signal but very distorted.
- 6546.8 ECUADOR RJ-1, LV de la Juventud, Loja, noted 2100-2300 1-1 and again 1-5 w/ political anncmts, mentioning Gonzanama, Catacocha and Canton Platas, so I presumed this stn is located in the Canton Paltas and the Catacocha area.
- 7308.3 PERU Radio Selva, Moyobamba, San Martin, noted here on a stable basis for about a week closing 0450* after having moved as high as 7309.7 and as low as 7308.5.

Thanks again to this fine corps of reporters who keeps you informed with the best DX news anywhere. Stay tuned for more next time.

Best 73, 



LOG REPORT

section A

2000 to 4899 kHz

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

Lots of good logs this month. Had to really cut to fit the space. Congrats to Steve Reinstein on his February 18th marriage.

- *****
- 2260 INDONESIA, RRI/Purwokerto; tent, 1128, threshold signal w/mx coming through occasionally (Bolland 1/27)
- 2340 CHINA, Fujian; 2100, CH ID, nx (Wood, Saudi Arabia 1/18)
- 2350 SAUDI ARABIA, BSKSA; 0125, AR Islamic chanting by man until 0135, signal dropped by 0155, //5875 (Bolland 1/24); 2015, USB, AR tx, mx (Schulze, FRG 1/13); 0335, USB, fair w/Koran poetry, AR OM in //5875, thanx Bolland (Krueger 1/24); 1700, AR ID, second px on USB, Qur'an Svc on LSB til' 2100* (Wood)
- 2380 FALKLAND ISLANDS, FIBS; 0050, 0132, EG, mainly C&W mx, signal gone by 0107, back by 0132 w/DJ, 0150, interview/discussion px, partial ID on hour (Bolland 1/26); 0224, EG, dedications w/British DJ, jingles, ws at 0248, TCs, clear ID and GSTQ at 0334, carrier left on and noted periodically until 0900 s/on (Moman 1/24)
- 2390 MEXICO, R. Huayacoctla; 0040, SP, OM nx, ID at 0101:30 strong signal and some QRN intermittently (Dickson 1/20); OM/YL w/LAm, folk-like in nature (Bobb 1/5); 0108* (Moman)
- 2490 BRAZIL, Em. Educ. Rural; 0055, PT, OM w/peculiar PT/Brazilian dialect (Bolland 1/13); 0050, UNID PT stn w/guitar mx, poor w/deep fades (Pate 1/22); UNID 0108(Moman)
- 3129 IRAQ, Sawt ul Jamaheer; 1715, ID "Sawt ul Jamaheer min Baghdad" in AR til' 2000*; does not seem to be a harmonic, much louder than 3367 in Farsi (Wood 1/12)
- 3160 MEXICO, UNID, 0335, SP, poss. ID w/part of Loverboy's "Turn Me Loose," some romanian ballads, suspect 2x1580(McLemore 2/4) 1245, SP, fundamental not hrd here (Lineback 1/29); *1158, SP, many IDs but too fast for me (Bobb 1/28); 0125 (Cassidy)
- 3210 MOZAMBIQUE, RM/Maputo; 1705, PT, nx (Wood 1/12); 0313, hi-life Afro vocal mx, //4870.8 and something on 3337.7, 4860.8 seems to be drifting alot, UTE QRM on 3212 and first time hrd in a while (Valko 1/29); 0325, ID after mx(McDaniel 2/8)
- 3222 TOGO, RTVT/Lama-Kara; 2244, FR mx and nx at 2300, then NA and s/off (Bolland 2/1); Af-accented anncr reading list of names w/short bio note on each, no ID,0642-f/o(Burnell 1/28)
- 3232 INDONESIA, RRI/Bukittinggi; 1520, IN talk on ASEAN (Wood 1/25)
- 3251 HONDURAS, R. Luy y Vida; 0325, SP, ballad by OM, ID and anmts by OM, duet vocal, many mentions of Central American countries, 0406* (Jordan 1/19); 0300-0400, EG "The Bible Hour" SP ID at 0330, call as HRCF (Valko 1/22); 0220, SP mailbag show (Dickson 1/11); 0310, EG (Lineback, Forsgren)+2
- 3255 LIBERIA, ELBC; 2304, EG, nx show w/promo for reg. bcst on Sunday, jazz show at 2316, many IDs (Forsgren 2/3)
- 3255 VENEZUELA, R. 980/LV del Tigre; 0120, SP, LA pop, TCs and IDs, many mentions of "El Tigre" (Prath 2/3); 0300, SP, EZL mx "Radio Nueve Ochenta" (Dickson 1/22)
- 3260 PAPUA/NEW GUINEA, R. Madang; 1200, drum mx, tx by OM w/TC, other PNGs in 90 and 120 meters noted (Valko 1/11)
- 3270 NAMIBIA, R. Southwest Africa; 0205, light vocal and inst. pop mx, //much better 3295 and beaten half to death by RTTY station on top of it, 0230, ID "This is the All-Night Svc. of RSWA" (Cunningham 1/25); 2005, Damara>Nama nx, this Khoisan lang sounds non-Bantu (i.e. fewer vowels) (Wood 1/8) 0427, UNID, lang w/Af mx, painful pulse QRM (Burnell 1/25)+1
- 3280 ECUADOR, LV del Napo; *0958, Indian lang, s/on w/NA by orchestra, ID (Valko 1/29); 0136, Frankie Valli mx (Mosman 1/14); 0110, ID by OM (Alexander 1/13); 0045, IDs(Moman 1/24)
- 3285 BELIZE, RB; 0250, EG, economics px from RCI followed by lcl px and BBC px (Gurley 2/2); 0103, nx and wx, some safe

- driving tips (Pate 1/22); 0353, DJ w/pop and disco (Enkenhus); 0304, PSA and obits (D'Angelo, Burnell, Cassidy)
- 3286 MADAGASCAR, RTM; 2057, military march, IS, Malagasy lang, not on 3287 or 3288, 2058* (Wood 1/14)
- 3295 NAMIBIA, RSWA; 0427, EG/AF, EZL mx, ID (D'Angelo, Cassidy, Burnell); 2100, AF ID, DJ show, TC, WRTH 1983 implies this is used during lcl winter, but it is summer there now...(Wood 1/14); 0430, best-ever sig (Cunningham 1/22)+2
- 3310 PERU, R. Bagua; 1110, SP, mx, TC and ID (Bolland 2/3); 1100, great OA mx, calls and freqs for AM and SW by OM, mention of Bagua, tough copy (Valco 1/13)
- 3316 ECUADOR, R. Pastaza; 0345, lite mx up to s/off namt which mention 1100 GMT s/on, NA to 0405* (Forth 2/1); 1119, perhaps my first ever AM log of 'em (Bolland 2/3); 1114, SP, ID, NA, EC mx (Bobb 2/2); 0250, ads and mx (Lineback 1/22)+1
- 3330 PERU, Ondas del Huallaga; 1048, SP, steady Peruvian mx until nx at 1100 (Bolland 1/12)
- 3331.5 COMORO IS, R. Moroni, flute mx and singing at 1456, closing anmts by YL, ID in FR 1504* (Young 1/26)
- 3335 PAPUA/NEW GUINEA, R. East Sepik; 2005, EG nx, heavy code QRM (Schulze 1/13); 1320, old musical standards, 1402* (Bobb 1/18)
- 3338t MOZAMBIQUE, RM; 0333, brief hi-life tune and garbled PT tx by YL, better signal than RTZ/3339 tonite (Reinstein 2/10)
- 3339t ZANZIBAR, RTZ; 0317, short march mx, long tx by OM, def. Afro lang but unable to ID (Rigas 1/29); 0345, ID w/ME-sounding mx (Cobb 1/30); 1700, nx, live, not a Dar-es-Salaam relay (Wood 1/12)
- 3355 INDIA, AIR/Kuresong; 1600, Indian songs (Schulze 1/21)
- 3356 BOTSWANA, RB; 0340, Vern, 0400 IS, native mx, tx (Schulze 1/21)
- 3367 IRAQ, RB; 1415, OM in Farsi, some pop mx (Young 1/13)
- 3375 BRAZIL, R. Nal. Sao Gabriel; PT, EZL mx, clear ID at 0200 by OM, some QRM de R. Iris (Mosman, Lineback 1/22); 0115 (Bobb)
- 3380 MALAWI, MBC; 0348, hi-life vocals and hand percussion, OM w/Chicewa tx, EG tx 0355 (Krueger 1/30)**Not reported lately, I was wondering who'd be the next to hear it. mln.
- 3390 ZAIRE, Bunia; 1600, DJ show, Afro mx, Bunia is in the SW-speaking eastern part of Zaire (Wood 1/20)
- 3535 CHINA, Fujian; 2100, CH, bright morning mx (Wood 1/18)
- 3607.5 JAPAN, NHK 1st Net; 1130, H.S. px, OM interview (Park 2/5)
- 3669 CLANDESTINE, R. Venceremos; 0256, SP, political tx, revolutionary mx, ID by YL (Rigas 1/22)
- 3676 CLANDESTINE, R. Venceremos; 0305, SP, ID, usual tx and inst. mx, first time hrd in 80 meter band (Alexander 1/28)
- 3693 CLANDESTINE, V. Broad Masses of Eritrea; *1700, Tigray ID, 1st fqys, then chased by jammer to 3687 (Wood 1/12)
- 3905 INDIA, AIR/Delhi; 1930, AR mx, nx, ID 1945* (Wood 1/14)
- 3905 NEW IRELAND, R. New Ireland; 1950, native mx, 1958, drum, 1959, IS, ID nx (Schulze 1/15)
- 3905 INDONESIA, RRI/Banda Aceh; 1535, IN tx (Schulze 1/14)
- 3910 JAPAN, FEN; 1527, American Country Countdown, mentioned a few of the stations the px is hrd on--thought stn was a lcl bcb harmonic! (Moman 1/21)
- 3925 JAPAN, NSB/Tokyo; 1915, JP, OM/YL, slow mx (Schulze 1/13); 1032, mx and tx (Bolland 1/12)
- 3930.7 CAPE VERDE, R. Voz de Sao Vicente; 2320-0003*, weak lvl and sporadic ARO QRM, mostly hi-life pops and ballads, PT OM w/nx at 2330. Lost briefly under AROs, but back at 2352 recheck w/ballads, abrupt plug at 0003 (Reinstein 1/9)
- 3935 INDONESIA, RRI/Semarang; 1509, Jakarta IN nx relay, 1600, local ID (Wood 1/25)
- 3945 VANUATU, R. Vanuatu; EG, nx, lcl mx (Witte 1/19); 1835, FR, ID, international mx, 1900, pips, EG ID (Schulze 1/15)
- 3965 USSR, R. Afghanistan relay; 1700, Dari, anti-US tx, //9550 (Wood)
- 3975 INDONESIA, RRI/Surabaya; 1510, IN nx relay from Jakarta, 1550, lcl ID, Indo mx (Wood 1/25)
- 3999 GREENLAND, GR; slow chime IS, tx at 1000, noted past 1200, and still at a good lvl (Moman 1/24)
- 4003 INDONESIA, RRI/Padang; 1510, IN headlines in "warta berita dari Jakarta," PSAs, gamelan mx (Wood 1/25)
- 4271.2t ECUADOR, R. Gonzanama (reported here) SP tx at 1150, //74851.1, full ID of R.Luz y Vida, nx relay 1200 (Young 1/12)

- 4273 N. KOREA, Kanggye; 2105, KR political tx (Wood 1/18)
- 4420.4t BOLIVIA, Radioemisoras Reyes, 2345-57, weak w/LA pops and OM during xlnet CP opening which also netted a positive ID on 5505.3/R. Dos de Febrero and tent on 5581.3 (Reinstein 2/10)
- 4450 USSR, R. Afghanistan; 0125, flute IS, opening anmts at 0128, 3 pips at 0130, then Koran, //4740 (Alexander 1/16); 1308, tx by OM followed by lcl mx, not //4740 this AM (Rigas 1/28)
- 4472 BOLIVIA, R. Movima; 2347, near good lvl w/ID right at t/in "Informa de Radio Movima" (Reinstein 2/10-11)
- 4635 TADZHIK SSR, R. Dushanbe; 0223, RS tx (Moman 1/24); 0128, tx by OM to 0145, then MoR ins't, //4975 (Reinstein 2/11)
- 4696.6 BOLIVIA, R. Riberalta; SP, 0321, Bolivian mx, vcis by men, tx by OM, several IDs (Valko 1/4); 0315, SP, lite classical mx px, some guitar (Lausevich 1/26)
- 4718.5t BOLIVIA, R. Abaroa; SP, weak w/mx, poss. ID by OM (Moman 1/24)
- 4740 USSR, R. Afghanistan Relay; 0200, OM w/nx, YL w/anmts, lcl and orchestral mx (Enkenhus 1/17)
- 4746.5 PERU, R. Huanta 2000; 1052, flute mx, ID, tx, fair w/electrical noise (Forth 1/14); 0020, hardcore Peruvian vocals, R. Huanta ID 0040 (Krueger 1/14); 0207, ID (Moman)
- 4750 BRAZIL, Radiodif. do Maranhao; PT, 0515, pops and phone-in px, casual ID at 0630 (Burnell 1/29); 0446, PT OM w/Brazilian mx, some pop mx, frequent IDs (Lausevich 1/16)
- 4755 BRAZIL, Radiodif. do Maranhao; 0710-0905, OM DJ w/lively, upbeat vocals, apparently moved from 4750 (Jordan 1/14); 0540, PT, phone calls, quick ID (Noonan 2/8); 0359-0504, PT pop mx, EG ID by OM as "...diffusora Radio station, transmitting MW 680 kHz, tropical waves 4755 kHz band 60.1 on your dial, from the wonderful island, Sao Luiz, Maranhao, Brazil. Keep tuned to the program, me, you and everyday with Frank Matos." Then PT ID. Surprised to hear EG ID!!! Good signal (Valko 1/7)**Interesting, indeed. mln. +2
- 4760 PAKISTAN, RP; unknown site, 1450, UR nx by OM, not //5095, do not confuse w/AIR-Simla which is listed here (Wood)
- 4762 PERU, R. Inca; 0516, LA mx w/OM DJ, ID 0530 (Dillon 1/14)
- 4770 NIGERIA, FRC/Kaduna; 0630, EG, OM justifying military takeover condemning corrupt elections and economic policies of former gov't (Lineback 1/1)**Neat. 0455=0645 (Dillon, Brandi, Burnell); 0100*, EG (Bobb 1/8); 0434 C&W mx (Gray 2/6)
- 4780 DJIBOUTI, R. Djibouti; *0258, Somali, short NA, ID, into Koran 'til 0314, QRM de numbers and Venez (D'Angelo 1/24); AR chanting at 110, faded and gone by 1534 (Young 1/10)
- 4780 KARELO-FINNISH SSR, Petrozavodsk; *025, RS, R. Moscow IS, ID, NA, gongs, YL ID, probable nx, UTE and Djibouti (no kidding!) QRM (D'Angelo 1/25)**You know how to rub it in! mln
- 4785 AZERBAIJAN S.S.R., R. Baku; 0433, lcl folk mx by female group, ID at 0440 by YL into lcl nx (McDaniel 2/3)
- 4785 COLOMBIA, Ecos del Combeima; 0355, SP, lcl pop and romantic ballads, spot anmts by OM (Jordan 1/26)
- 4792 ECUADOR, Sis. Em. Atalaya; 2345, SP, pops, several IDs, futbol noted previous nite (Alexander 1/12); 0422, two nice ballads by male vocalist (Jordan 2/3); interesting international nx report, ads, "Atalaya" IDs, 0315 (Forth 2/1)
- 4795 CAMEROON, R. Douala; 2102, EG, nx headlines (Pate 1/22); 2249, jazz px (Burnell 2/2); 2230, pop mx (Bolland 1/21); *0430 w/carrier, EG/FR ID repeated 3X, then mx (Forth 1/12)
- 4795 ECUADOR, LV de los Caras; 2343, SP, tx by OM, mx, mention of Quito, ID at 0000 (Valko 1/16); 0016, sporting event (Bolland)
- 4797 BOLIVIA, R. Nueva America; 1010, mx, IDs (Berg 2/1)
- 4797.8v UNID, Viet stn, 1307, some mx, but most tx, similiar-sounding stn also noted on 4745.5 (Young 1/25)
- 4800 INDIA, AIR/Hyderabad; IN mx, EG nx 1536 (Young 1/10)
- 4800 LESOTHO, RL; *0400, NA, s/on in Sesotho (Rigas 1/29); tent 0406 w/Neil Diamond tunes (Mosman 1/22)**I just received my second QSL from RL, even though I only sent one report. It arrived two years after I received my first verie. mln.
- 4803.6t BOLIVIA, R. Santa Ana; 0037, poss. relig. tx by OM (Reinstein)
- 4807 SAO TOME, R. Nacional; 2235, PT, pop mx, ID and gong at 2300, s/of w/NA at 2302 (Rigas 1/22); 2304* (McDaniel 2/11)
- 4808 BRAZIL, R. Itatiaia; 0815, PT, tx by OM w/ID as "Radio (pause) Itatiaia." (Valko 1/29)

- 4810 GABON, Africa No. 1; 0515, FR, mx, nx on half-hour, Marlboro ad (Niekamp 2/3); 0545, lively Afro mx (McKellar 1/24) +2
- 4810 GALAPAGOS IS, LV de Galapagos; 0150-0224*, OM w/mx, tough copy due to carriers on freq, s/off w/Ecuador NA (Bolland 1/13); 0338, mention of Galapagos (Lineback 1/30)
- 4810 PERU, R. San Martin; 1026, SP mx, ID (Bolland 1/27)
- 4815 UPPER VOLTA, RTVV; 0529, NA, s/on anmt over drums, possible nx (Forth 1/12)
- 4825 COSTA RICA, R. Columbia; 0215, SP OM into serious tx, brief ID (Jordan 1/20); 0203 (Forsgren 1/15); 0400, "Panorama" px (Dillon 1/14); 0115-0417, many IDs (Noonan 2/7, Cassidy 2/1)
- 4825 PERU, La Voz de la Selva; 1012, unusual mx, sax solo w/drums, IDs after each tune (Niekamp 1/21)
- 4825 USSR, R. Moscow; RS 2125, tx by YL, RM IDs, is this Ashkabad or Yatusk? Brief IS at 2157, ID by YL at 2158 (Valko 1/3)
- 4827.4t PERU, R. Sicuani; orch. mx at 0118, SP anmts, pop mx, lost by carrier on same freq 0157 (Young 1/11)
- 4833 BOLIVIA, R. Grigota; 0039, sx ad w/2 OMs, mention of Bolivia w/full ID at 0100, Reloj QRM, LSB needed (Lausevich 1/27)
- 4835 GUATEMALA, R. Tezulutlan; 0145, SP, marimba mx, several IDs (Dickson 1/12); 1020, lcl relg mx, ID at 1022 (Alexander 1/29)
- 4835 SOUTH AFRICA, SABC; 0406, EG tx on pesticides, TC and chimes, ID at 0430 (Noonan 2/7)
- 4840 CHINA, FFS-2/Fujian; 1315, CH, vocals, //5170 (Rigas 1/28)
- 4840 VENEZUELA, R. Valera; 0320, SP, OM w/moody mx px, ID, NA, 0403 s/off (Bobb 1/26)
- 4845 BRAZIL, R. Nac. do Manaus; 0950, mx, baby crying, ID naming Radiobras stations (Bobb 1/28); 1040, two OMs w/nx (Bolland)
- 4845 INDONESIA, RRI/Ambon; 1350, IN, RRI nx (Lineback 1/15); 1355, IN, mx, YL w/ID, IS, 1455* (Bobb 1/8)
- 4848 BOTSWANA, RB; 0353, EG, cowbell IS, NA, ID mentioning Gaborne at 0400 (Noonan 2/8); 0405, QRM de Luz y Vida (Lausevich 1/7); *0351, outstanding 1vl at s/on (D'Angelo 1/15)
- 4850 CAMEROON, RC/Yaounde; 2115, EG/FR, end of nx, IDs (Hankins 1/12); 2350-2400*, FR, NA (Cassidy 2/2)
- 4850 ECUADOR, R. Luz y Vida; Catholic relg svc (Field 2/4); 1114, flutes and vocals by men, ID, mention of "En portador a Quito" and "Loja, Ecuador" (Valko 1/11)
- 4853 YEMEN, Radio San'a; 0406, AR, tx by OM, ID, into ME mx (D'Angelo 1/14)
- 4855 BRAZIL, R. Por um Mundo Melhor; 0028, PT pop mx, tx by OM w/ID and mention of freq and Brazil (Valko 1/21)
- 4860 PERU, R. Chinchaycocha; *1000, NA, ID, Peruv. mx (Jones 1/19)
- 4863 MOZAMBIQUE(?); UNID here at 2207*, sounds Afro (Berg 1/8)
- 4870 SRI LANKA, SLBC; IN mx at 1517, not //other SLBC stns (Young)
- 4870 ECUADOR, R. Rio Amazonas; 0308, tx by OM w/ID "En la studios de R. Rio Amazonas" EZL mx (Valko 1/17)
- 4870 BRAZIL, R. Nac. Boa Viste; mx px w/ID at 0133 (Field 1/28)+1
- 4878.5 PAKISTAN, RP/Quetta; 1600* in Urdu by OM, no NA or "Pakistan zindabad", do not confuse w/AIR-Lucknow on 4880 (Wood 1/15); 0130, unusal trans-polar Asian opening, Islamic subcontinental mx, peaked at 0200 (Reinstein 2/3)
- 4880 BRAZIL, Rdf. Acreana; 0927, PT w/OM and mx (Bolland 1/30)
- 4885 BRAZIL, R. Clube de Para; 0925, mx and tx px w/ID at 0929, many mentions of Para (Forsgren 1/21)
- 4885 PERU, R. Huancavelica; 1048, lively vocal mx, ID w/freqs (Forth 1/29); 1041, beautiful huaynos, jingles (Cunningham)
- 4885 COLOMBIA, Ondas del Meta; 0550, SP, ID, TC, pop mx (Schulze)
- 4890 ECUADOR, R. Centinela del Sur; 2335, SP, rock px w/mx by AC/DC, Carly Simon, etc (Valko 1/23)
- 4890 PAPUA/NEW GUINEA, NBC; 0857, EG, wx, time pips, ID as "The Kanal Svc from Pt. Moresby" (Forsgren 1/21); 1225 (Feinberg)
- 4890 SENEGAL, RS; ID in FR and AR-like lang (Burnell 1/28); ID at 0700 by OM, into nx (Witte 1/18)
- 4895 ANGOLA, Em. Reg. do Bie; *0506, Nat'l and MPLA orch. anthems into hi-life. Cabinda/4969.8 also noted at *0430 (Krueger 1/30)
- 4895 BRAZIL, R. Bare; 0856, rooster crows (Alexander 1/29)
- 4895 TURKMENISTAN, Ashkabad; 2329, mixing w/R. Bare (Reinstein)
- 4899 INDONESIA, RRI/Surakarta; 1200, song of the Coconut Is., RRI ID by OM, 1518, nx and ID (Sharpe, Valko 1/19); 1500 (Wood)



LOG REPORT

section B

4900 to 6199 kHz

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

Many thanks to those who voted for me in the Executive Council elections. I look forward to serving.

- 4900 ECUADOR LV de Saquisilí, VG w/presidential elec. returns, ID, 0149 1-30 (Krueger-FL); *1130 1-7, HC mx, s/on amts, choral NA, into HC mx; 1200 fade-out (Valko).
- 4900 PIRATE EG talk show 0541-0621 1-3, phone numbers, TWA ad, novelty talking; off 0545, back 0555 with Donald Duck; off again 0613, still off 0621 when I left (Valko).
- 4902 SRI LANKA SLEBC, muddy 0106 tune-in 2-3, subcont.mx; Juventud off; to 0126(Reinstein-FL).
- 4905 BRAZIL R. Araguaia, mixed bag of mx 0220 1-4, TCs, full ID 0228, more mx to 0259 ID and 0300* (Cunningham); lively PT mx 0933 1-29, ID 0947 w/two fqys; fair, ute (Valko).
- 4905 BRAZIL R. Relógio Federal, poor 2342 1-12, second ticks, IDs by gal (Bolland-FL); ID by man 0324, ticks, TCs by gal, brief mx; pretty good but gone at 0336 recheck(Valko).
- 4910 HONDURAS LV de la Mosquitia, ID 0128, LA and rock mx, very diverse prgmng, but bad fgy (Valko); rel.prgm, Q&W mx, IDs 0206, 0304 1-29 (Alexander-PA); ID 0310 1-22, ballads, pop mx, signal better than used to be (Jones-MS).
- 4911 ECUADOR Em.Gran Colombia, next to Lusaka 0446 1-30, clear ID 0501, mx, past 0547 but not daily (Young-CA); ID 0300 1-26, vocals, piano mx, poor in QRN (Jordan).
- 4910 ZAMBIA Lusaka, *0348 1-19, IS, NA, big ute QRM then for 3 mins., almost intentional (Valko); *0350 1-29, IS, mx, EG talk 0356, ID, unid.lang 0402, good sig (Alexander-PA).
- 4911 INDONESIA RRI-Bukittinggi, chants 1116, past 1235; next day //3232 to 1358* (Young-CA).
- 4912 ANGOLA Luanda, pop mx to 0100*; lately also hrd on 4923, 4997, 5098 (Young-CA).
- 4915 BRAZIL R. Anhanguera, much mx 0715-0845 1-14, fair-poor, echo IDs, promos (Jordan); 0752 1-29, jingles, ads, etc. (Alexander-PA); 0815 2-4, man anncr, ads, IDs (Sharpe-CA).
- 4915 COLOMBIA Arm.del Caqueta, nx from "Cadena Sutatenza" 1130 1-27, no local ID hrd(Field-MI)
- 4915 GHANA Accra, vernac.talk 0621 1-28, ID in EG 0624, back to vernac; poor (Burnell).
- 4920 AUSTRALIA ABC-Brisbane, nx 0708 (Schulze-PRG); 20's/30's mx 0930 1-21 (Niekamp-MN).
- 4920 ECUADOR R. Quito, 0204 1-18, ID, bank ads, nx (Burnell); nx 0311 1-23, full ID 0316, TC (Johnson-TX); sports 0320 1-14, ID 0340 1-21 (Woods); ad string 0413 1-19, nx, ID, good sig (Forsgren-WI); talk, many network IDs 0542-0550 1-30 (Brandi).
- 4924 EQUATORIAL GUINEA Bata, fair w/SP nx 2105 1-18 (Woods-S.AR); talk, Afro mx 2112 1-18, ID, s/off amts, 1-o-n-g anthem to 2126* (D'Angelo-PA).
- 4927 INDONESIA RRI-Jambi, tent., II talking 2 days 1116-1141, pop mx, bad ute QRM (Young-CA).
- 4930 HAITI 4VEH, SP 2247, SP/EG ID 2300, into EG, 1-14 (Rigas-IL); FR 2320 1-18, EG bible rdng 0002 (Enkenhus-MD); EG relig.prgm 0001 1-19, FR 0030, echo effect (Hankins); EG lesson 0003 1-12, FR ID 0024 (McLemore-FL); "Life in the US" EG lesson 0006 1-14, mx later, ID 0102, fair (Forsgren-WI); semi-clas.mx 0200 1-12 (Dickson); FR at 1025, ID 1030, good sig (Niekamp-MN); FR 1029 1-14, relig.talk, ID, mail call, good (Dillon-PA).
- 4932 NIGERIA FRCN, QTH unknown, ID 0600 1-30, EG nx (Field-MI); ID in nx, 0611 2-7(Noonan).
- 4935 PERU R. Tropical, IDs, lively LA mx, 0320 1-22 (Bobb-MN); 0355 1-3, EZL mx, many IDs, gud sig (Valko); 1101 1-29, NA, s/on amnt, pops (Porth-IL); tent. 1105 (Alexander-PA).
- 4940 INDIA AIR-Gauhati, Indian singing 0143 1-25, ID 0144, 0145* per asked (Young-CA).
- 4940 USSR Yakutsk listed, RS 1525-1600 1-14, mx, RM IS, 1600* (Sharpe-CA).
- 4945 BOLIVIA R. Ilimani, good 1000 1-22, no Colosal, amnts, IDs, //6025 (Alexander-PA).
- 4945 COLOMBIA Caracol Neiva, man DJ 0111 1-22, IDs, good but fuzzy audio (Enkenhus-MD); EZL mx 0435 1-19, IDs, TCs (Forsgren-WI); IDs, full nx 0800 1-14 (Dillon-PA).
- 4950 CLANDESTINE Voz de Verdade, 0343 1-29, fair, sev.IDs, man tlkg, lite pops (Rigas-IL).
- 4950 PERU R. Madre de Dios, VC w/ads, TCs, IDs, LA mx, taps, s/off amnts, NA to 0158* 1-12 (Krueger-FL); *1027 2-2, NA, "Tonight We Love" theme, IDs, into mx (Jones-MS); *1032 1-21, NA, OA mx, SW and AM fqys, into lite mx and rooster call; best ever (Valko).
- 4950 SARAWAK Kuching, EG nx 1330 1-15, international items, fair sig (Lineback-TX); 1430 1-18, nx, clas.mx, mag feature, "At Your Request" (Sharpe-CA); gal anncr at 1530 on 1-24, EZL mx, pops, good sig in light QRN (Witte-CA).
- 4955 BRAZIL R. Marajoara, pops, amnts, ads, IDs, good sig 0905-0926 1-29 (Alexander-PA).
- 4955 INDONESIA RRI-Banda Aceh, IN nx relay 1505 1-25, local ID 1600, local nx (Wood-S.AR).
- 4955 PERU R.Cultural Amauta, *1038 1-18, NA, ID, "Onward Chris.Soldiers," talk (Jones-MS).
- 4965 BRAZIL R. Poti, 1018-1033 1-21, finally ID during nx, fading by 1032, YV QRM (Valko).
- 4965 HONDURAS R. Landia, 0113 w/pol.speech 1-27, mx, ID 0134, full ID 0140, YV/RTTY QRM (Lausevich); ID 0421 1-19, ranchera mx (Jordan); pops, TCs 0450 1-13, s/off amnt to 0458*, also AMs arnd 1200 (Porth-IL); pop vocals 1320 1-15, fair sig (Lineback-TX).
- 4968 SRI LANKA SLEBC back, Indian mx 1450, seeming nx 1531, past 1600, now daily (Young-CA).
- 4970 ANGOLA Em.Reg.da Cabinda, ID 0430 1-30, clear and strong, long NA, full ID, singing 0444, nx 0509; this and 5044-Benguela daily, tho s/on only one day when YV absent (Young-CA); hi-life 0509 1-15, clear ID 0530, amnts, back to mx (Krueger-FL); nx 1755 1-21, "Lara's Theme," NA, ID 1803, attack on Moz.-RSA peace talks; good (Wood-S.AR).

- 4970 SABAH Kota Kinabalu, Malay pop mx 1545 1-24, gal anncr, EG meditations, Indian mx 1555, man with s/off amts 1600*, very good sig (Witte-CA).
- 4970 VENEZUELA R. Rumbos, frequent IDs, TCs, sports, ads, 0037-0106 1-22 (Enkenhus-MD); exc 0200 2-2 w/LA mx (Hankins); LA mx, ID, fair sig 0250 1-25 (McKellar).
- 4970 UNID. 1-8 after YV s/off, man talking, seemingly Afr lang; weak, faded (Field-MI). Angola?
- 4977 ECUADOR Rdf. Tarqui, ID during nx 1039 1-24 (Jones-MS); mx 1052 1-27, extensive ID 1057, into sports nx (Jordan); nx 1121 1-21, TCs, ad 1130, ID; YV QRM, fading (Valko).
- 4980 AZAD KASHMIR Tent., tho not skeded this time, consistently hear carrier arnd 0110, audio only occasionally, 0140, ME mx, fading by 0230; mid-Jan (Young-CA).
- 4980 VENEZUELA Ecos del Torbes, LA mx 0115 2-6 (Hankins); EG ID 0200, sports nx (Trotto-FL); fast paced anncr 1125 1-6, ads, IDs, nx, talk, fair sig (Dillon-PA).
- 4990 ECUADOR R. Baha'i, *0030-0400* but not IDed till 1-30 when hrd to 0730*, 16-note IS (Young-CA); HC mx 0935 1-15, ID, TCs (Alexander-PA); tent. 0400* 1-23 (Jordan).
- 4990 S.AFRICA R. RSA, EG nx 0404, "Afr in Rvw" (Johnson-TX); oldies to 0425* (Trotto-FL).
- 4990 VENEZUELA R. Barquisimeto, LA mx 0100 2-6 (Hankins); *0955, NA, ID, mx (Dillon-PA).
- 4991 BOLIVIA Tent. R. Animas, 0048-0154 fade, one time stronger than YV; 1-19, -25 (Young-CA).
- 4996 PERU R. Andina, folk mx 0358 1-23, ID 0429 (Johnson-TX); 1015 1-15, OA mx (Alexander-PA).
- 4998 ANGOLA Luanda, PT ID 1800, fqys given, automatic time sig, drift from 4820 (Wood-S.AR).
- 5000 ITALY IBF, 0700:27 1-22, IT/FR/EG IDs, WWV/MSF QRM; FR hrd to make out (Valko).
- 5000 S.AFRICA ZUO under WWV/WWVH, but able to make it out, 0350-0355 1-31 (Johnson-TX).
- 5005 NEPAL Kathmandu, *1147 1-11, mx rptd, ID by YL, short mx, then mx prgm (Valko); 1245 2-3 w/delicate mx, nx 1250, P-F (Bobb-MN); EG nx 1455, wx, ID 1500 (Wood-S.AR).
- 5005 SURINAM Apparently SRS, Jazz 0255 1-12, man anncr, psble ID, TC, much QRM (McLemore-FL); tent., "My Way" etc. 0256 1-21, no ID, hvy QRM; 0430* (Pate-MD).
- 5010 CAMEROON Garoua, IS *0429, FR/EG IDs, NA, into chants; EG Natl nx at 0530, vernac.nx, then FR nx 0600 (Burnell, 1-28); seeming nx 0605 2-3, hvy fading (Jordan).
- 5013 ANGOLA Em.Prov.de Namibe, PF pops, amnts, Afr mx, ID, 0502 to past 0533 1-14 (Young-CA).
- 5015 BRAZIL R. Cultura, 0745-0800 2-5, ZY ballads, amnts, ID 0759 (Alexander-PA).
- 5015 CLANDESTINE R. Truth, IS 0429, s/off 1-21 (Schulze-FRG).
- 5015 ECUADOR Esc.Rdfon.Populares, mx, NA, 0303* 2-4 (Bobb-MN); 0300 2-7, NA, ID, address, exc sig (Field-MI); 1130 2-1, good with HC nx, many IDs noted (Bolland-FL).
- 5015 USSR Vladivostok, 1245 1-15, opera vocals and showtunes, good sig (Lineback-TX).
- 5020 SOLOMON IS. Honiara, EG 1039 2-2, mx 1046, more talk, poor sig (Bolland-FL).
- 5020 SRI LANKA SLBC, 0119 2-3, subcont.mx, fair at best, talk; stronger than 4902 (Reinstein-BR).
- 5025 BRAZIL R.J.Transamazonica, good 0933 1-29, ID 0938, talk (Alexander-PA). FL.
- 5025 PERU R. Quillabamba, strong, OA mx, 1040 1-14 (Alexander-PA); s/on amnt 1108 2-1 (JB).
- 5026 UGANDA Kampala, EG 0300, 0400 nx, comm.nx (Burnell); nx 0414 EG, PSA's, good (Jones-MS).
- 5030 PERU R. Los Andes, exc 0125 1-13 (Field-MI); to 0227* 1-26 (Jordan); strong, rock-type mx, 0215 1-22 (Dickson); full IDs, soft ballads 0300 1-17 (Lausevich); VG w/LA rhythms 0419 1-22, TCs, IDs (Rigas-IL); LA mx 0628 1-15, full ID, ads (Pate-MD).
- 5035 BRAZIL R. Aparecida, LA pops, ballads, 0018 1-16, quick ID 0023, not hrd much lately (Cunningham); presumed then, 1050-1113 2-2, ads, no clear ID noted; poor (Bolland-FL).
- 5035 C.AFR.REP. Bangui, Afro mx 2203 1-14, man talking, TCs, few IDs (D'Angelo-PA); FR songs, Afr mx, 2300* 1-5 (Bobb-MN); spirituals, ID 2234 1-9, 2300* w/NA (Enkenhus-MD).
- 5040 GEORGIAN SSR R. Tbilisi, clas.mx 0424 1-19, ID 0430 (RS), into RS nx (McDaniel-IR).
- 5040 PERU R.Libertad de Junin, beautiful OA mx 1043 1-21, rivalling Andina; ad 1058, rapid talk with ID; fading badly by 1110 (Valko). AM prgm is called "Que Levanta" (JB).
- 5040 SUDAN Omdurman, nx 0438 in AR, ID 0444, into instrumentals, pauses between amnts and mx selections (D'Angelo-PA); unid., ME mx 0407 1-15, gone at re-check; Sudan? (Young-CA).
- 5040 VENEZUELA R. Maturin, 0135-0155 2-5, SP pops, IDs in between, ads, chimes (Alexander-PA).
- 5045 BRAZIL R. Cultura do Para, ID 0158 1-22, ZY mx (Dickson); full ID 0925 1-21 (Niekamp-MN).
- 5049 VENEZUELA Unid., typical YV prgmg, 0035-0430* daily, YV NA at s/off; friend in Caracas says Rumbos, but surely not; daily since 1-19, but low audio (Young-CA). R. Mundial has been rptd here lately; I can hear this also, but no ID yet (JB). 5250, R. Mundial, monotonous guitar and vocal mx, probable ID 0100 1-2 (Jones-TX). Did you mean 5050? (JB).
- 5066A, R. Mundial, ranchera mx 0200-0305 1-30, ID 0250, QRM after 0245 (Lausevich).
- 5050 COLOMBIA LV de Yopal, ranchera mx 0052, reverb ID 0105 (Jordan); poor 0055 1-12, ute QRM on high side, ranchera mx, ID 0057, chimes 0100, NA 0101, 0102* (Alexander-PA).
- 5050 ECUADOR R. Jesus del Gran Poder, ID 1143 (Bobb-MN); exc, many IDs 1210 1-11 (Valko).
- 5050 TANZANIA Dar-es-Salaam, carrier 0256 1-19, IS, amts, NA, ID, Swahili (Young-CA).
- 5055 COSTA RICA TIPC, SP 0055-0130 1-29 (Jordan); EG 0300-0400 (Field-MI, Woods).
- 5055 FRENCH GUIANA Cayenne, concert to 0100 1-23, ID, nx, LM to 0104*; IS not per WRH (Burnell).
- 5060 CHINA Beijing, *1800-1855* in RS; ID, nx, talk, clear after Pakistan s/off (Wood-S.AR).
- 5060 PAKISTAN Islamabad, weak 0132, 2-3, Quetta also decent on 4879 (Reinstein-FL); *1800 1-17, Urdu, ID, "Pakistan zindabad," anthem, good sig (Wood-S.AR).
- 5060 PERU R. Amazonas, fast talking 0355 2-2, several IDs, OA mx, drums, flutes (Jones-MS).
- 5063 ECUADOR R. Progreso, several IDs at 0000 tune-in on 1-13, pops (Alexander-PA).
- 5066 ZATRE R. CANDIP, drum mx 0433 1-22, hvy het; lite mx, gone at 0517 (Young-CA).
- 5068 SAUDI ARABIA BSKSA, AR ID 2110 1-18, //1521 (Wood-S.AR); ID 2145 1-16, 2159, good and //5875 (Valko); AR talk 2236 1-16, Quran recital, probably a feeder (Reinstein-FL).
- 5075 CHINA Beijing, unusual eve appearance 2310 1-10, CH mx, gal talking (Reinstein-FL).
- 5095 COLOMBIA R. Sutatenza, EG ID as largest educ.net in SA, 0300 1-12 (McLemore-FL).
- 5105 CLANDESTINE LV del CID, US pops 0322 1-11 (Gillis); IDs betw.songs, 0620 2-7 (Noonan); vocals, full ID 0630 2-3 (Jordan); ID 0745 1-11 (Dillon-PA); ID at 0746* (Alexander-PA).

- 5112 PERU R. Eco, ID 0126 1-10, lively prgmng, fast-talking anncrs (Jones-TX); mx, deep fades 0207 1-19 (Marker); rock mx, ID 0315 1-3, 0328* (Lauevich); mx 0610, s/off arms, clear ID, NA, 0612*, poor (Niekamp-MN); "Panorama" 1042 1-13, TCs (Enkenhus-MD).
- 5286 CHAD R. Moundou, FR armt by man 0532, ID, into hi-life mx by group, ID and FR nx at 0547; weak but in the clear (McDaniel-IN).
- 5360 PERU R. Vision, 1145 1-27, mx, full ID, but poor sig in big QRM (Bolland-FL).
- 5451 W. IRIAN RRI-Biak, 1245-1302 1-19, EZL pops, ID 1300, talk, fair but fading (Valco).
- 5570 CLANDESTINE R. 15 de Sept. 1155 1-27, good w/talk, full ID, //5700 (Bolland-FL); 1211 1-22, long political talk, many mentions of Sandinistas, Marxistas (Rigas-IL).
- 5700 CLANDESTINE R. 15 de Sept., talk, interviews, 0307-0325 1-17, //7000 very weak (D'Angelo-PA); ID 0318, 5570 better (Jones-TX); good 1210 (Bolland-FL); 1224* 1-22 (Rigas-IL).
- 5751 CLANDESTINE LV de Nicaragua Libre, 0135-0143*, usual revol.talk, ID and NA at s/off (Alexander-PA); 0304, gunfire, good; also AM's arnd 1130 (Valco); full ID 1108 (Bolland-FL).
- 5816 PERU LV del Altiplano, OA mx 1-3 1020, TC, full ID 1034, prgm spons.by banco (JB).
- 5886 INDONESIA RRI-Pekanbaru, talk 1130 1-30, posble ID, then chanting; poor (Bolland-FL).
- 5905 USSR Mayak prgm in RS 0505-0545 1-23, talk, clas.mx, IS at 0530 (Jordan).
- 5910 BELGIUM BRT hrd by many with EG 0030-0100, "Brussels Calling," "Focus," "Q & A," "DX Panorama," "Opera in Belgium," etc (Krist-VA, Paszkiewicz, Weinhold, Tomko, Cassidy, Blanchette-FL, Gaffin).
- 5920 USSR RM WS, EG at 1804 1-30, some jamming (Park-HI); 2230, //5905 (Prath).
- 5930 CZECHOSLAVAKIA Prague, 0100-0200 and 0300 in EG, with prgm previews, cmtry, "Mx for Your Tape Recorder," hockey, nx, etc (Krist-VA, Dill-PA, David, Weinhold, Gaffin, Blanchette-FL, Dickson).
- 5935 LATVIAN SSR Mayak over Riga, presumed RS at *0700 1-8, IS, ID, seeming nx, serious orchestra mx 0710; weak, much noise, very poor (Jordan).
- 5945 AUSTRIA Vienna hrd with EG at 2130-2155, 0130-0155, 0330-0355, "Report from Austria," "Letter from Austria," "Profile of Austria," Mailbag, "Austrian Cultural Calendar," etc (Krist-VA, Blanchette-FL, Dill-PA); also in GM 0015 2-9, talk on Nic (Alcorn-PA).
- 5950 NICARAGUA Managua hrd in EG at 0100 (David, Pate-MD), 0120 (Jordan), 0150 (Blanchette-FL), 0155 (Alcorn-PA), 0402 (Feinberg), 0410 (Burnell), 0434 (Witzig). Nx, cmtry, how US citizens can get visa, revol.slogans, headlines, Kissinger rpt, "Nicaragua Today," IDs as "Free Voice in America." Also SP 1150 1-7, ID (Dillon-PA).
- 5950 GUYANA CBC, extended cricket coverage, 0620-0655 1-29, 0540 2-5 w/local commercials (Feinberg); cricket from Australia, 0644 1-29 (Burnell); "Inspirational Time" 0734 1-21, TC, bible readings, into "Early Bird Show," greetings, birthdays, etc. (D'Angelo-PA); mx 0757 1-29, ID 0800, fair sig (Brandt); ID as Radio 2 and Prgm 2, 0824 1-21 (Forsgren-WI); almost ME-type mx 0841 1-21, TCs, poor in bad QRM (Niekamp-MN); man with world and regional nx in EG 1003 1-21, wx, ID, poor-fair (Bobb-MN).
- 5955 COLOMBIA LV de los Centauros, 0510 2-3, mx, mentions of Caracol, bad het, caught between DW and Nic (Niekamp-MN); fair 1125 w/Andean-type mx, chirps, ads, ID (Alexander).
- 5955 SWAZILAND TWR, chimes at EG ID at *1559, into GM; fair (Witte-CA).
- 5960 CANADA RCI, 0220 in EG, nx, talk (Gaffin); nx, current affairs, good signals at 0300 (Krist-VA, Gray-MI); mailbag, sports, talk on NASA and robots, 0400-0430 2-5 (Bonnet-IN).
- 5960 FRG DW, EG to NA at 0500-0550 1-10, ID, IS, nx, "Microphone on Europe" (Dillon-PA).
- 5965 BOLIVIA R. Nacional Huanuni, hrd one AM with weak but clear ID at 1002, but nearly always overpowered by the Brazilian. (JB)
- 5965 BRAZIL R. Guaiaba, 2326 1-3, ZY mx, pips, TC, ID, nx to 2341, another TC and ID, pips, etc. (D'Angelo-PA); 0130 1-15, man with mx, ID, fair but noisy (Bobb-MN).
- 5970 ITALY RAI, EG 0105 on 1-14, nx and talk by gal, QRM (Prath).
- 5975 ENGLAND BBC WS, "World Today" at 0550 on 1-10, "Newsdesk," fair sig (Dillon-PA).
- 5975 UZBEK SSR R. Tashkent, *1700 in Uzbek, nx, good sig, //9540 1-25 (Wood-S.AR).
- 5985 USA Voice of Free China over WYFR-Okeechobee, good sig with "Mailbag" prgm 0200 1-6 (Blanchette-FL); mx, features, 0222-0300 1-30 (Brandt); very nice CH singing at 0700 on 1-11, ID, NA at 0712, then into CH (EG earlier) (Dillon-PA).
- 5985 UZBEK SSR R. Tashkent, fair with interview, 1215 on 1-11, EG (Blanchette-FL).
- 5990 CHINA Beijing, in CH at 1300, 6-pip time sig, ID, nx with M&W, good sig 1-11 (Wood-S.AR).
- 5990 ROMANIA Bucharest, 0200-0257 2-1, nx, "Wrd as It Is - Wrd as We Want It to Be" (Krist-VA); 0400-0415, EG nx, ID, cmtry, mx, ID again, good with VOA QRM (Trotto-FL).
- 5990 EL SALVADOR Tentatively R. ES Intl, SP talking 0130 1-17, seeming political cmtry 0140, patriotic choral piece, slogans, possible ID (Jordan).
- 5995 AUSTRALIA RA, stock mkt rpt 1127 1-16, wx, tuning info, "Australia Tonight" (Krist-VA).
- 5995 MALI Bamako, 2137 1-24, rock mx, FR talking, off suddenly 2157, no ID (Gillis).
- 5995 USA VOA, Van Halen 0530 1-31, sports, Reagan (Gaffin); IS, ID, nx 0600 1-10 (Dillon-PA).
- 6000 BRAZIL Tent. R. Inconfindencia, mixed talk and Br.mx 0807-0835 2-4, poor and mixing with CFCX and R. Australia (Forsgren-WI).
- 6005 ASCENSION IS. BBC WS, "The World Today" at 0300-0330 1-7 (Dillon-PA).
- 6005 CANADA CFCX-Montreal, 1329 1-10, ads, nx, ID, traffic (Dillon-PA); 1745 1-14, hockey promo, pops, CFCX IDs (Alcorn-PA); sports 2310, "CFCX-R. Montreal" IDs (Forsgren-WI).
- 6005 S. YEMEN Aden, AR mx under BBC at 0315 1-17, BBC off 0330 but then Reloj QRM; very poor (Dillon-PA); 0550-0600 1-8, nice despite het, nx, ID 0558, fair sig (Jordan).
- 6006 COSTA RICA R. Reloj, nx 0605 1-10, ID as "numero uno in C.R.," LA mx (Dillon-PA).
- 6010 PERU R. America, SP and US pops 1105, very little talk except for ID; //9510, both poor in local static on 1-14 (Alexander-PA).
- 6015 VATICAN Vatican Radio, FR ID and fqs at *0030 2-9 (Alcorn-PA); EG at *0050-0110, "Vatican Centuries," readings from Pope Paul I, exc sig 1-17 (Gurley).

- 6020 MEXICO XEUV, typical Mexican mx 1206 2-3, some ranchera, many IDs as XEU and still using "U de Veracruz" slogan (Jones-MS); SP at 1238 on 1-29, fair with ads, talk by man, ID 1258 followed by nx (Rigas-IL).
- 6020 USA WRNO, GMT TC at 0200 on 2-7, ID, then rock mx (Alcorn-PA); world's fair info at 0241 1-28, mx by Police (Gaffin); 0334 1-16, Top 10 countdown (Purdue-MN).
- 6025 HUNGARY Budapest, IS at *1800, IT nx, ID, fair w/QRN from Lisbon s/on (Wood-S.AR).
- 6030 CYPRIUS CBC, guitar IS at *2212, s/on ID in Greek, nx, into mx 2220, to 2232 (D'Angelo-PA); Greek 2234 on 1-29, Greek mx, ID, to 2243* (Rigas-IL).
- 6030 FRG Sddeutscher Rundfunk, GM at 2235 on 1-17, rock mx, ID 2301, poor sig (Cassidy).
- 6035 AUSTRALIA RA, ID, fgy, pop mx at 1845, then Straus wait; fair (Bobb-MN).
- 6035 BRAZIL R. Globo, 2340 on 1-17, talk by man, echo, phone interview, ID 2358 (Marker).
- 6040 FRG DW, EG "Germany Today" 0100-0140 1-26 (Weinhold); 0115-0150* 1-29 (Bonnet-IN).
- 6040 USA VOA, "Buenos Dias, America" at 1313 1-23 (Dillaman); EG nx 2113 1-19 (Hankins).
- 6045 AUSTRALIA RA, nx 1230 1-10, ID, pop mx, world nx 1300, then "Australia Tonight" (Dillon-PA); fanfare 1600, EG nx, //6035-Carnarvon, 6060-Shepparton (Wood-S.AR).
- 6045 INDONESIA RRI-Jakarta has reactivated this old fgy, first noted 1412 with full IN ID, marches, temperature checks by gal DJ; good sig (Wood-S.AR).
- 6045 DOM. REP. R. Santiago, 0510 1-4, R. Santiago IDs, GMT-4 TCs, LA mx (Forth-IL).
- 6050 NIGERIA FRCN-Ibadan, EG 0540 1-14, national svc nx 0600 (Schulze-FRG).
- 6050 USSR RM, Khabarovsk listed, EG at 1537-1558, "Focus on Asia" 1-27 (Sharpe-CA).
- 6060 PORTUGAL Lisbon, EG at 0315 1-13, talk on flora and fauna (Hankins).
- 6065 CANADA CBC Northern Svc, EG nx 1200, TCs, wx, fair sig 1-6 (Blanchette-FL).
- 6070 BULGARIA Sofia, EG 2130 1-27, cmtry, editorial on Japanese leader (Gaffin).
- 6070 CANADA Looks like everyone's been listening to CFRX-Toronto this month. Hrd at 1755 (Alcorn-PA), 2259 (Krist-VA), 2340 (Forsgren-WI), 0014 (Gaffin), 0115 (Hankins), 0300 (McLemore-FL), 1230 (Jones-MS). Ads, nx, wx, contest, IDs: "You are tuned to CFRX, carrying the programs of CFRB."
- 6075 PORTUGAL Lisbon, EG at 0544 1-23, nx, ID 0558, fair sig (Gray-MI); exc at 0550 on 1-16, mx to 0600* (Gurley).
- 6080 CANADA CKFX-Vancouver, wx at 1435, weak signal on 1-10 (McKellar).
- 6085 ARMENIAN SSR R. Yerevan, *1500 1-6, ID, Armenian nx, fair (Wood-S.AR).
- 6085 BULGARIA Sofia, IS at *0500, ID, Greek nx; Greek on Fri, the listed Sun only (Wood-S.AR).
- 6085 OMAN Muscat, ID 2000 1-8, light AR mx; NF, also noted AMs, good sig (Wood-S.AR).
- 6085 FRG Bayerischer Rundfunk, evening nx 2055 1-29, ID 2100, poor in hvy QRN (Cassidy); ID 2058, nx 2100, into piano mx 2105, poor sig (D'Angelo-PA); ID 0500, nx (Wood-S.AR).
- 6085 FRG DW in EG at 0100-0140 1-26 (Weinhold).
- 6090 CUBA Havana, EG, anti-US, 0000-0030 1-18 (Weinhold); good with mx, requests for ltrs 0135-0145 1-8 (Bobb-MN); world nx 0230 1-12, QRN from all sides (Dickson); nx, talk on Ghana at 0238-0251 1-27 (Gaffin).
- 6090 GUATEMALA TGMUB, *1058 with instr.mx 2-5, ID 1101, rel.mx, SP/EG IDs, past 1221, fair-poor (Burnell); relig.mx 1135 1-18, fgy IDs, EG/SP (Plum-NJ); complete ID with fgy, calls at 1146 1-19, into talks; best ever, the in SP (Valco).
- 6090 LUXEMBOURG R. Lux, pops, ads, EG 0021 1-31 (Burnell); 0100 1-12, pops (Gray-MI).
- 6095 ECUADOR HCJB, EG DXPL 0635 2-5, CW QRM (Park-HI); rel.prgm 0645 1-11, 0700* (Dillon-PA).
- 6095 SOMALIA Mogadishu, *1400 in Amharic, nx, good but low modulation 1-1 (Wood-S.AR).
- 6100 NIGERIA Maidugari, 0530 under YVTO, disco, Afr pops, man in EG and Afr (Witte-CA).
- 6100 USA KGEI-San Francisco, 1130 1-26, Japanese and EG, exc sig (Cobb-ME).
- 6100 VENEZUELA YVTO, 1052 2-5, time signal, amnt every minute, RM QRM (Burnell).
- 6105 MEXICO "Su Pantera," LA pops at 1259 on 1-29, ID on the hour (Prath).
- 6110 MALTA R. Medieterran with IERA broadcast in EG, 2035-2051 1-29, requesting ltrs to IERA Radio, Stn F, Toronto (D'Angelo-PA); 2230 1-14, trumpet IS, EG ID, sked, address, nx, pop mx (Paszkiwicz); EG nx 2237 2-2, polka with ID in middle (Enkenhus-MD).
- 6110 USSR RM, EG 0200-0300 in LA Svc, nx, cmtry, "What Is Communism" (Dillon-PA).
- 6115 PERU R. Union, 0946 1-29, OA mx, ID, "Buenos Dias, Peru" prgm, fair with Llano-6118 QRM and RM at 0954 carrier s/on (Alexander); super sig 0905 2-18 (JB).
- 6118 COLOMBIA LV del Llano, LA mx 0610 1-29, ID 0613, "Super Musicalisima" (Burnell).
- 6115 CUBA RM, apparently via Cuba, EG "nx" 0300 1-13 (Hankins); nx about nuclear subjects, 0313 1-9 (Purdue-MN); "Kaleidoscope" at 1140 1-25, EG (Krist-VA).
- 6130 CANADA CHNX-Halifax, rpt on lotteries, 1805 1-14 (Alcorn-PA); CHNS ID 0551 (Noonan).
- 6130 USA VOA, fair 0030, "Now Mx USA," then nx by man, 1-19 (Krist-VA); good with EG world nx 0200 2-4, then mx (Bonnet-IN).
- 6135 SWITZERLAND SRI, 0145, TC, ID, "Dateline" (Weinhold, Krist-VA).
- 6140 AUSTRALIA ABC-Perth, nx 1300 1-21, sports, TC, local wx report (Prath).
- 6140 CANADA RCI, EG/FR to Europe, 0645 1-11, ID, nx (Dillon-PA).
- 6145 NIGERIA Calabar, ID 0559 2-5, nx //4770, 4932, 4990, 5965, 6025, 6050, 6195 (McDaniel-6150 COLOMBIA LV del Huila, IDs 0430 (Field-MI); IDs 0545 (Noonan). IN).
- 6150 COSTA RICA R. Impacto, 0000 (Marker), 0640 (Dillon-PA), 0745 (McKellar).
- 6160 COLOMBIA Em.Nueva Granada, mx, ads, IDs as "RCN" 1010 (Niekamp-MR); ID 1053 (Plum-NJ).
- 6165 MEXICO XEMW, nice LA mx prgm 1340 1-29, frequent IDs and amnts (Prath).
- 6170 COLOMBIA LV de la Selva, 1100 ID 1-19 (Plum-NJ); 1100 1-26, but not hrd last few days (JB).
- 6180 VENEZUELA R. Turismo, LA mx 1320, TCs, ID by man, 1-21 (Prath).
- 6185 USA R. Earth over WRNO, 0400-0500 (McLemore-FL, Dillon-PA, Gaffin).
- 6200 CLANDESTINE Bizim Radio, 9-note IS 1700, ID, nx, 1-8 (Wood-S.AR). 73 till April-



LOG REPORT

section C

6200 to 11699 kHz

Editor: David L. Walcutt, 211 West 56th, Apt. 36-F, New York, NY 10019

- 6205v NICARAGUA LV de Sandino; *2357-0101 SP (3 reporters); 1112 (Valko).
6215 LEBANON V. of Hope; 0407-0008 EG, 1940 RS! (5 reporters).
6225 PR. Samurai R., The V. of Oriental America; 2111 (D'Angelo 1/29).
6230 CUBA RHG; 0425 EG, interview with athlete; g (Field 2/5).
6240 INT'L WATERS V. of Peace; 0038-1500 EG/HB, US pops (3 reporters).
6250 EQUATORIAL GUINEA R. Malabo; 1945 Afr. lang political talk; f, het Vatican 6252 (Wood 1/14); 2140-2205* unid lang/SP, Afro mx, anmts, s/off anmts & long NA (D'Angelo-PA 1/15).
6260 CHINA Qinghai PBS; 1300 CH, ID, light drama; f (Wood 1/4).
6294v CLAND V. Broad Masses Eritrea; 0625 Eritrean mx, //7386; g (Wood 1/13).
6549.8 LEBANON R. Voice of Lebanon; 0400 AR, "Bridge Over River Kwai" IS, weak (Laskowski 1/25); 0404 AR, IS played on celest followed by orchestral version, NA, ad; g (McLemore 1/23); 0608 AR, ME mx, M&W tlk, French songs w/AR anmts but no IDs; f (Burnell 1/22, 1/25).
6725 PERU R. Satellite; 0311 SP, fairly well w/nice Peruvian mx and ID; 0403 s/off with anthem (Rigas-IL 1/22).
*6882 SAUDI ARABIA BSKSA; *0100+ AR, repetitive plucked string mx in LSB mode. Anthem by M to 0104, ment Islam & Qur'an, then solo M w/Call To Prayer; probable feeder for MW 1512 Jeddah or 990 Riyadh with Call of Islam pgm (Reinstein-FL 1/9).
6996v CLAND R. Venceremos, R. Farabundo Marti; 0125-0136 SP, tlk by M, ID, ment Reagan (Marler 1/30, Rigas-IL 1/29).
7000 CLAND R. 15 de Septiembre; 0305-0328* SP, some LA mx, a few marches IDs, gone by 0328 (Valko 1/18).
7003v CLAND RV,RFM; 0031-0244 SP, long talks; //3676 (Rigas 1/28, Valko).
7065 ALBANIA RT; 2200-0333 EG, AR, etc. (Weinhold 1/12, Johnson-TX 1/25).
7076 CLAND R. Mambi; *0103-0115 SP, 9-note organ-type IS played three times at s/on and s/off: "Aqui Radio Mambi, este es Radio Mambi, La Voz de nacion en Patria Junta Patriotica Cubana..." (Valko 1/19).
7107 MOZAMBIQUE RM; 2100 PT, "Estudios da RM", gong, Afro mx (Wood 1/18).
7110 MALI R. Nationale; 0702 FR, M&W read alternate news items including arrivals at Bamako International Airport; fair (Burnell 1/28).
7115 BULGARIA; R. Sofia/R.Moscow relay; 2130-0430 EG (5 reporters).
7120 ALBANIA RT; 0140-0252 EG to N.Am. (3 reporters).
7122 ALBANIA RT; 0342 tlk & ID by M in SP; usually 7120 (Johnson-TX 1/25).
7125 FRANCE RFI; 0415 EG, mx, Challenger flight problems (Gray-MI 2/6).
7125 POLAND RP; 2230 EG, IS, s/on w/news, comment, to Eur. (Prath 1/28).
7130 CYPRUS CBC; *2211-2244* GK, guitar IS until 2215 ID, fqy anmts by M&W, possible nx then Greek mx; g (Cobb 1/7); 2210 GK, IS on guitar for 5 minutes, possible ID by M followed by talk (Laskowski 1/13).
7196.1 SWAZILAND TWR Manzini; 1600 EG Xmas hymns; f (Wood-SA 12/24).
7200 SOMALIA R. Mogadishu; *1400 march, Somali nx; still here on this seemingly permanent replacement for 6790; spurs 7173, 7227 (Wood 1/1).
7225 TUNISIA RTVT; 0505-0530 AR, N.Afr. AR mx (Jordan 1/22).
7230 IRAN VOIRI; 1825 AR political talk; f, //15084; jammed (Wood 1/8).
7255 NIGERIA VON; 0550-0552 EG, news about Nigeria, press review, abrupt off at 0552 and not on by 0555 (Brandt 2/1); 0812-0900 EG, West African Svc., "Focus", high life mx, nx at 0830 (Dillon-PA 1/14).
7290 USSR RM; 1532 EG, Indian Republic Day; via Petro.-Kam. (Sharpe 1/26).
7295NF BOTSWANA RB; *0350-0401 lang, barnyard sounds IS from 0350, 0359 choral NA, opening anmts; much better than //4848 (Cunningham 1/22); 0355-0415 w/bells & barnyard noises, ID, fqy's, brief rel talk, math lesson in EG; alternates between lcl lang & EG (Feinberg 2/7); 0415 lang, much lcl mx w/DJ, //4848 but better (Laskowski 1/15).
7300 ALBANIA RT; 0345-0350 EG, Albanian history etc. (Gurley 2/2).

- 7300 USSR RM; 0745-0800 EG, Listeners' History Club; how Americans participated in Sov. econ. dev. in 20's; via Khabarovsk (Sharpe 2/4).
- 7315 CHINA RB; 1104 Esperanto, mx, ID, tlk (Park-HI 2/5).
- 7325 UK BBC W.S.; 0125-0330, nx, cmntry (Marber 2/6, Dillon 2/3).
- 7335 USSR R. Tashkent; 1405 EG, nx, Uzbek mx; //5945, 5985 (Rigas 1/22).
- 7345 CZECHOSLOVAKIA RP; 2000-0400 EG/CZ, folk mx etc. (4 reporters).
- 7352 CLAND LV del CID; 0030 SP comedy pgm; QRM WRNO 7355 (McLemore 1/15).
- 7355 USA WYFR; 0447-0500 RS/EG, rel vocals (Jordan 1/26).
- 7370 GREECE VOG; *2000 IS, anthem, GK to Balkans, nx; g (Wood 1/10).
- 7375 CHINA RB; *2000 Polish, boring nx of steel production; g (Wood 1/10).
- 7375.5 PIR. UNID. 0329-0334*, mentioning 25 watt (Rigas-IL 2/5).
- 7386 CLAND VBMB; 1800 Tigrinya, detailed world nx; g (Wood 1/12).
- 7399 PIR. NWRI; 0614-0649, rock, "You're tuned to NWRI, New Wave Radio International" (Valko 1/8); 0724 "N-W-R-I" IDs (Rigas 1/8); 0751, weak/fair, ann'd 6999 (Forth-IL 1/8).
- 7400 CLAND LV del CID; 0340 SP, comedy album w/laughter (Alexander 1/21).
- 7400 ISRAEL KI; 0200 EG, nx, "Studio 3", mx, not on 7410 (Zilmer 2/3).
- 7410 ISRAEL KI; 2248-0230 EG/SP etc. (3 reporters).
- 7410 PIR. V. of the United States; 2015-2050, rock mx (Valko 1/29).
- 7412v PIR. V. of Communism, V. of Democracy; 0210-0300, M&W w/cmnt & phone ins; spoof of R. Moscow commentators (Lausevich 1/3).
- 7425 CUBA RHC; 0158 SP, ID's by M&W (Marber 1/29).
- 7432v PIR. R. Free Insanity; 2304-2326* EG, rock mx, ment of your own show on RFI, reception reports w/3 stamps (Valko 1/21); 2351-0059 EG, 60's mx, IDs, anmts about making your own tapes for use on RFI, gave P.O. Box 982, Battle Creek, MI address; good (McLemore-FL 1/21).
- 7440 USSR RM; 0330-0400 EG to N.Am: Pozner, mx by Liszt (Dillon-PA 1/7).
- 7452 PIR. "KELP"; 0736-0800* EG, usual pop, rock mx (Valko 1/29).
- 7464.5 CLAND LV del CID; 2250-0230 SP, talks & mx (Valko 1/21, Marber 1/29).
- 7480 CHINA RB; 1309 JP/CH, language lessons; //1044 (Park-HI 1/22).
- 7550 KOREA S. RK; *1930 AR, nx, request mx; g; //6480 (Wood 1/14).
- 7576 CHILE R. Nacional; 0221 SP, speech, ID's (Marber 1/15). SSB feeder?
- 7768 USA VOA; 0605-0610 unid lang, nx; LSB feeder (Brandt 1/8).
- 9022 IRAN VOIRI; 1932-2026 EG, lcl & world nx, tlk on VOA (Enkenhus 1/18).
- 9027 EGYPT R. Vatan (CLAND); 0445 FS, anti-Khomeini talk, romantic Farsi mx which is forbidden in Iran; f; //15555 (Wood 1/6).
- 9064 CHINA CPBS I; 2030 CH ID by W, bright Chinese mx; g; //9080 (Wood).
- 9140 EGYPT R. Cairo; 0445 mixing product of V. of Arabs 9770 & Gen. Sec. 9455 (Wood 1/6). Means antennas too close together -ed.
- 9440 CHINA RB; 1230-1256* CH, beautiful vocals & instrumental mx selections, very delicate & lyrical, short tlk between (Jordan 2/3).
- 9440 ISRAEL KI; 2000-2030 EG, "Face To Face", into FR (Dillon-PA 1/5).
- 9460 GREECE VOG; 1130 AR, //11645 (Wood); 2330 EG, cmntry (Weinhold 1/10).
- 9475 EGYPT R. Cairo; 2105-0237 EG, lbx, tourism in Egypt (7 reporters).
- 9485.8 PERU R. Teana; 1030-1100 SP, OA mx, IDs, mentions of Peru; weak but in the clear (Alexander 1/29); 1047 nothing special, few IDs amongst Peruvian mx pgm (Jones-Miss. 2/2); 1105-1130, fair signal at first; typical Peruvian programming w/rapid tlk by M; caught two IDs at 1120, then back to more mx (Valko-PA 1/29).
- 9505 ZAMBIA RZ; 1800 EG, nx of Pres. Kaunda's visit to a market (Wood).
- 9510 GUAM KTWR; 1350-1430* EG, rel tlk, "Radio Bible Class", "This is Trans World Radio Pacific" (Woods 1/29).
- 9515 LESOTHO BEG; *0355 to Afr., EG, claimed "Atlantic Relay Station" but understand that this is a direct feed from Ascension rather than SSB from the UK (Cunningham 1/9); 0400 bells, ID, good (Dillon 1/11).
- 9519.7 PERU R. La Cronica; 1113 SP, Andean mx, ID at 1117 (Alexander 1/15).
- 9520 IRAQ Sawt ul Jamaheer; 0600 AR, ID; //9505, 9690 (Wood 12/25).
- 9530 JORDAN Amman; 1100 AR, time sig, nx, //11919.5 (Wood-Saudi Arabia).
- 9535 ANGOLA R. Nacional; 2100 SP, Iberian songs, IDs (Bobb-MN 1/27).
- 9555 MEXICO La Hora Exacta; 1423-0133 SP, TCs every minute (4 reporters).
- 9600v ETHIOPIA VORE; 1700-1855 Somali; liberation pgms; alt. 9595 (Wood).
- 9645 PAKISTAN RP Rawalpindi; 1000 EG nx, 1011 UR pgm teaching the Qur'an (in AR, of course) to kids; g (Wood-Saudi Arabia 1/8).
- 9650 GUINEA V. de la Révolution; 1814 FR talks (Schulze-FRG 1/15); 2120 FR, Guinean mx; g; //15310v (Wood 1/11).
- 9665NF SAIPAN KYOI; 1600 EG/JP, super-rock mx, ex-9670 (Zilmer-NM 2/10).
- 9680 INDONESIA RRI Jakarta; 1200 IS, into IN news; g (Wood 1/11).
- 9683.5 TANZANIA RT; 1800 EG, Afro-accented nx; g (Wood 1/20).
- 9705 PORTUGAL RFE; 2130 HG, IS into E. European Review; g (Barta 1/30).
- 9715 CONGO R. Brazzaville; 0455 FR revolutionary shouts, mx (Wood 1/6).
- 9735a PARAGUAY R. Nacional; 0921-0146 SP, het (4 reporters).
- 9748.5 TANZANIA VOT; 1900 EG, news, M w/African accent; g (Wood 1/10).

- 9760 GUATEMALA Voz de Guatemala; 1640-1650 SP, trumpets, ID's, M ancr; signal good (Trotto-FL 1/29).
- 9765 GERMANY W. DW; *2100 EG to E. As., Pac., nx (Krist 1/28).
- 9770 AUSTRALIA RA; 1400 EG, fanfare, nx; g (Wood 1/1).
- 9770 AUSTRIA ORF; 0130-0200 EG, news (Weinhold 1/24).
- 9775 MONACO TWR; *1300 IS in EG, into SP rel to Spain (Wood 1/5).
- 9790 FRANCE RPI; *2200-2215 PT following FR ID; exc (Trotto 1/18); 0029 FR, nx brief, then into SP and LA pgm (Johnson-TX 2/5); 0152-0200 FR Carib-flavored vocal & instr. pop/rock; IS; poor (Brouillette 1/23).
- 9805 EGYPT R. Cairo "Gen. Svc."; 0630 AR, ID; //9455, 9619.5 (Wood 1/1).
- 9815 ISRAEL KI; 2010-0300 EG etc. to Americas (6 reporters).
- 9820 CHINA RB; 1200 EG, premier's visit to Canada (Blanchette 1/18); 1245 EG, M&W on 3 most beautiful places in China (Jordan 1/23); 0135-0155 EG, special New Year's show; fqy anmt; g (McKellar 1/1).
- 9835 HUNGARY RB; 0200-0230 EG, nx, sports report (Tomko 1/17); 0330 EG, ID, fqy's, s/off; f (Trotto 1/27).
- 9852.5 USA WYFR; 2225 EG, Gospel, very strong signal (Hankins 1/10).
- 9860 CHINA RB; 0052-0115 EG, mx, "News About China", IS, nx (Gaffin 1/28); 0100-0130 EG (Weinhold 1/6).
- 9870 KOREA S. RK; *2030 SP, ID, nx, poor accent; g (Wood 1/14).
- 9870 SAUDI ARABIA BSKSA; 1725 AR, list of names w/upbeat Western mx; electronic tone on 1-hour (Jordan 1/14); 1904-1952 AR, Qur'an, rel tkl, ID as in WRTH; fair (Dillon-PA 1/14).
- 9890 LIBYA Sawt ul Watan al Kebir (V. of the Great Homeland); 1800 AR, full sked, IDing as "V. of the Great Homeland, V. of the People's Revolution, from the Socialist People's Libyan Arab Jamahiriyah"; //15235; here ex-15450, 24-hr sked; //15415 sometimes still noted; g (Wood-Saudi Arabia 1/8); 2240 AR, long tkl by M (Rigas 1/28).
- 9895 CUBA RHC; *0630 SP to Mediterranean, IS, nx; f (Wood 1/13).
- *9895 HOLLAND RN; 0215-0330 EG, SP; test for fqy comparison //6165, 9590; too poor, IS barely noted (Lausevich 1/21); good (McLemore-FL 1/20); test very poor in comparison with Bonaire relay (Hankins 1/22); 0320 IS into SP, ute QRM (Park-HI 1/28); 0530-0625 EG, IS, ID, test fqy from 2330-0625 from Lopik; poor (Trotto-FL 2/0).
- 9900 BELGIUM BRT; 2236-2245 EG, Listeners' Club, good to fair (Hankins 1/10). RTBP; 0522 FR, drum IS, QRM Qatar 9905 (Park-HI 1/29).
- 9935 PIR. "KQRP"; 1945-2110 EG, "Top 40 mx" (Jordan 1/14, Lausevich 1/15).
- 9950 INDIA AIR Delhi; 1355 HD, nx, ID as "Akashvani; g (Wood 1/8).
- 9950 KUWAIT RK; *0800-0915* Farsi Svc., now on sw for first time, //1341; nx 0815, 0900, ID: "Inja Kovait ast"; g (Wood-Saudi Arabia 12/23).
- 9960vv CLAND VBME; 1400 Oromo, pol. talk, jammed (Wood 1/8).
- 9977 KOREA N. RP; 1130-1805 EG etc. (Trotto 1/13, Jordan 2/3, McKellar).
- 10040 VIENTNAM VOV; *2030-2057* EG, IS, nx (Wood 1/14, Ehkenhus 1/18).
- *10050h BENIN VR Parakou; 0758 FR ID, s/off, 2x5025 (Schulze-FRG 1/22); 2233+, noted here per Crawford tip. Hi-life mx & "Voix de la Révolution IDs. Not heard on 5025 fundamental so suspect mistuned transmitter (Reinstein-FL 1/16). Still here as of 2/19 -ed.
- 10052h UGANDA RU; 2000-2100* EG, harmonic of 5026 which was also heard; Afro & Western mx, DJ; g, might make it to ECNA (Wood 1/4).
- 11040 CHINA CPBS II; 1000 CH, ID, nx; //11610 (which s/b Pgm I -ed)(Wood).
- 11101v CLAND LV del CID; 1738-1835 SP, noted strong OC here for past week, then on 1/15 noted this in progress w/merengue pgm, CID IDs, pops; 11680 still on, so new xmtr (Krueger); 1925-1930 SP, musical de libre, ID, talk (Trotto 1/21); 2130 chimes & ID, M DJ hosting Cuban mx pgm, top ten; signal faded at 0333 (Westheimer-MN 1/21).
- 11335 CLAND V. of the Libyan People; 1855 ID "Huna Sawt ul-Shaab al Libiya", AR mx; believed to be EGYPT; severely jammed (Wood-SA 1/10).
- 11587 ISRAEL "Reshet B"; 1830-2001 HB, no ID but //9385 (Hankins 1/13).
- 11600 CHINA RB; 1400-1455 EG, nx, phone report from Honolulu on PM's visit; g (Wood 1/18). Was in NYC too at Plaza Hotel, a whirlwind -ed.
- *11600 SPAIN SFR/REE; 1643 SP, on rel in Spain; g (Rigas 1/14); 1600+ SP/IT, discourse in IT on Vatican; //11920, 15535 (Hankins 1/14); 1900 SP, film discussion, ann'd as 2nd overseas svc; //17650 (Wood 1/10).
- 11610 CHINA RB; 1000 CH, ID, news; good (Wood-Saudi Arabia 1/13).
- 11620 INDIA AIR; 2100-2210 EG, nx, cmntry, Indian mx (Feinberg 1/21, Gurley 1/14, Vadino 1/21, Witzig 1/19). Best ECNA fqy, wish better.
- 11645 GREECE VOG; *1500-1530 GK, NA, ID, lcl mx; //9460, 17565 (Jordan 1/4).
- 11650 CHINA RB; 0000-0130 EG (Weinhold 1/22); 0145-0159 EG, focus on elderly in China; //9860, 11860 (Gurley 1/16).
- 11655 ISRAEL KI; 2233 EG, "Spot Light" pgm; //9815 (Vadino 1/21).
- 11680 KOREA N. RP; 2240 KR, rhetoric, martial mx, ex-11352? (Park-HI 1/19).

LOG

REPORTERS

FRENDX

Nick Pappas, 251 S. Olds Blvd., Apt. 243 Fairless Hills, PA 19030

Hello and welcome to the March '84 edition of FRENDX. Thanks to the following sixty-three members for their contributions:

Sam Alcorn, Morrisville, PA (DX200, ICF6500W); Brian Alexander, Mechanicsburg, PA; P. Barta, Toronto, ONT (RF2800); Marion Blanchette, Thonotassa, FL (DX100, R600); Norman Bobb, Minneapolis, MN (R600, XCR30, ICF2001); Charles Bolland, Lakeworth, FL (R70, FRG7700); Arthur Bonnet, West Lafayette, IN (DX400); Ralph Brandt, University Park, PA (ICF2001); Richard Cassidy, Logansport, IN (R1000, ICF2001); Paul Brouillette, Hazelwood, MO (DX160); Jean Burnell, Ottawa, ONT (Eddystone 840C); Ken Cobb, Portland, ME (RF4900, RF2800); Larry Cunningham, Columbus, OH; Richard D'Angelo, Wyomissing, PA (R70, NC-190, RF2900); Ronald David, New York, NY (DX160); Richard Dickson, Loveland, OH (DX302); Barbara Ann Dill, Saint Marys, PA (RF2200); John Dillaman, Centerville, OH (R70); Peter Dillon, Philadelphia, PA (3000-1); Kurt Enkenhus, Silver Spring, MD (NRD515); E. Feinberg, Brooklyn, NY (RF2900); Marlin Field, Hillsdale, MI (Spr4, SX100); Ray Forsgren, Chippewa Falls, WI (SW717); Karl Forth, Chicago, IL (HQ160, R70); Josh Gaffin, New York, NY (RF3100); Neil Gillis, Reading, PA (R70); Ted Gurley, Beaumont, TX (R600); Art Hankins, Greensburg, PA (R1000); Michael Hawk, Hampton, VA (GE World Monitor II, XCR30); Hans Johnson, Austin, TX (FRG7000, RF2200); Brian L. Jones, Houston, TX (R70); Rufus Jordan, Pittsburgh, PA (DX302, Zenith Trans-oceanic); Kraig Krist, Falls Church, VA (FRG7700); Terry Krueger, Casselberry, FL (R70, RF4900, RF2900, ICF2001); Tom Laskowski, South Bend, IN (ICF2001); Arnold Lausevich, Milwaukee, WI (HQ180C, RF4800); Jerry Lineback, Conroe, TX (R7); Brett Marker, Rockford, IL (CRF320); John McKellter, Mountain View, CA (DX160); Travis McLemore, Clearwater, FL (FRG7); Kevin Mikell, Park Ridge, IL (RF4800, RF2200); John Mosman, Champaign, IL (FRG7, SW4A); Ray Niekamp, Minneapolis, MN (DX200); Tim Noonan, Milwaukee, WI (SW4A); Dale Park, Honolulu, HI (ICF6700W); Sheryl Paskiewicz, Manitowoc, WI (DX302, DX400); J. Gary Pate, Baltimore, MD (R1000); Bill Plum, Irvington, NJ (FRG7700-mod); John Prath, Ft. Lauderdale, FL (FRG7000, FRG7, RF4900, DX160); Ronald Purdue, Byron, MN (DX300); Steve Reinstein, Miramar, FL (R70); Chris Rigas, Chicago, IL (R2000); Roland Schulze, Stuttgart, FRG (R6C, R70mod, R7000mod); Bryan Sharpe, Castro Valley, CA (DX302); Robert Tomko, Belle Mead, NJ (ICF2001); Ron Trotto, St. Cloud, FL (DX100); George Vadino, Bellevue, WA (RF4800); Dave Valko, Dunlo, PA (DX160, FRG7, R388); Terry Weinhold, East Earl, PA (R1000, SPR4, HQ180A); Andrew Wertheimer, Golden Valley, MN (FRG7700); Marjorie Witte, Torrance, CA (FRG7); Eric Witzig, Annandale, VA (R1000); Richard E. Wood, Abha, Saudi Arabia (R7, R1000); Bob Woods, Front Royal, VA (RF-4900).

For those who are contemplating submitting contributions for the first time, here are a few guidelines:

- 1) Each report should contain: A) Frequency, B) Country, C) Station name, D) Time of reception, E) Language heard, F) Program details, F) Reporter's name and state, and G) Date of reception.
- 2) Each logging should be submitted on an individual slip of paper.
- 3) A signature slip should be included with your reports.

Hope this'll get a few more of you out there to contribute. See you next month.

73s and good DX.

Nick



Association of North American Radio Clubs

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NEWS STORY --- FOR IMMEDIATE RELEASE

FEBRUARY 3, 1984

HEADLINE: SPECIAL ANARC BROADCAST COMING IN APRIL

THE ASSOCIATION OF NORTH AMERICAN RADIO CLUBS (ANARC) IS CELEBRATING TWENTY YEARS OF SERVICE TO THE RADIO LISTENING HOBBY. AND TO CELEBRATE, ANARC IS GIVING AWAY THE PRESENTS! TWO SPECIAL BROADCASTS OVER RADIO CANADA'S SWL DIGEST PROGRAM ON THE 2nd AND 3rd WEEKENDS IN APRIL WILL TAKE A LOOK BACK AT WHAT ANARC HAS DONE, SINCE 1964. AND WHAT THE FUTURE HOLDS, TOO.

TO MAKE IT EVEN BETTER, ANARC HAS PRODUCED A SPECIAL QSL CARD FOR THOSE SENDING IN CORRECT RECEPTION REPORTS OF THE TWO BROADCASTS. IT'S ANARC'S WAY OF SAYING THANKS FOR HELPING CELEBRATE THIS MILESTONE -- AND YOU'LL ENJOY DISPLAYING THIS ATTRACTIVE CARD IN YOUR LISTENING POST. IT'S EASY, BUT YOU HAVE TO LISTEN TO THE SWL DIGEST FOR THE INFORMATION NECESSARY TO SEND IN YOUR REPORT. THE COST WILL BE JUST 60¢ IN US MINT STAMPS, 70¢ IN CANADIAN MINT STAMPS, OR 3 IRCs.

YOU CAN HEAR THE SWL DIGEST ON THE AFRICAN, EUROPEAN, NORTH AMERICAN AND CARIBBEAN SERVICES ON SATURDAY - 2130 UTC - on 21695kHz, 17875kHz, 17820kHz, 15325kHz, 15150kHz, and 11945kHz; SUNDAY - 1900 UTC - on 21695kHz, 17875kHz, 15325kHz, 7285kHz, and 5955kHz; - 0000 UTC (GMT MONDAY) - on 11850kHz and 9755kHz; - and 0300 UTC (GMT MONDAY) - on 9755kHz and 5960kHz.

ANTENNAS/ACCESSORIES

MIKE AGNER

EDITOR: Mike Agner 301 N. Progress Ave. Apt. G10 Harrisburg Pa. 17109

Hi everyone. I hope that Santa was good to you and brought you that new receiver or QSL. I have a letter from Norman Bobb of Minneapolis that describes an odd antenna....take it Norm.....

It uses 6 lengths of bell wire (2 each of 30, 20, 10 feet) which make two cables by loosely winding the 20 foot lengths around the 30 and 10 foot lengths around the both of them. One cable is strung near the ceiling of the living room and one in the bedroom with connected ends of cable elements near the bedroom door. The central part is a 15 foot extension cord with plug end removed and can be connected to cable ends and hang down and pass under the bedroom and then plugged into the central part socket (WHOA!!! I hope you are referring to your antenna connection on your receiver- otherwise a serious shock hazard could result. mja). I believe...this gives me 3 T antennas of 90, 70, and 50 foot counting the cables and the central part and adding up the footage involved.

Ingeniuos, no? With the caveat expressed above, that might just work out- particularly if a tuner could be coaxed into the act. Just keep well away from any AC wiring and everything should be kosher. To complete this item, I could use more stuff like this from the membership. mja

I have some space, so let's see what else I have in my file...

Frank Orcutt, NY

15 meter inverted L
oriented N/S
MFJ1024 active antenna
Folded dipole cut for
19 meters
B and W #593 antenna
switch
Ameco PLF2 preamp
Telex CS7 headphones
Sharp RT10 cassette
deck
Pioneer SX580 35 watt
amp

An interesting diversion here- Frank notes that the amp is powering a series of 1940 juke box speakers, "the oak boxed ones which were in the booths of soda fountains, ect. of the period" (his letter of 10/20). Each speaker has its own volume control, and has it placed throughout his home. A nice touch mja

Ken MacLeod, Ma.
(tnx for the QSL, Ken mja)

MFJ102 24 hr clock
RS speaker(which?)
RS Minisette 11 record
Ameco PT2 preamp
Eavesdropper dipole @
25 to 30 ft above
ground
RS communications
headphones

I think I have just enough space to say I could use lots of stuff from all 2000+ of you- so how about flooding my Mailbox? 73s

HAP DIRECT SALE ITEMS: The following stickers/decals are available for \$.25 each or any 5 for \$1.00: RBI (large) (small), Die Lutherische Stunde, CFRB, Radio Bare, Radio Superstar, KVDB, CFCR, CKUA, CFRN, CFCN, CKRD, CKGY, Radio Monte Carlo, Radio 210, WEMP, Disco-99, WBWA, EMR, KPLU, WXQR Amateur Radio, Radio Reporter, WJNC, WBW, Radio Tees, RCI, RPI (blue) (red), 6KY, Radio Vatican (small) (semi-cir) (square), WCBW, KCFM, ANARC (small), CFTI, RNE, WDR (rock) (small), Radio 270, KFOG, 55-Country, Radio Derby, Rete Quattro, Polskie Radio, ORF, Radio Budapest, Metro Radio, KBOI, KPNW KDKD, WEZZ, WCFL, WLUP, KROY, KLOL, KLOS, WINS and ESPN.

HAP BID ITEMS: ITEM #348: Radio Veritas (Philippines) 1984 staff calendar, m/c-very nice! #349: Netherlands World Broadcasting - a feature publication by R.D. Haslach. This book contains 110 pages on the history of radio in Holland with dozens of old and rare photographs! #350: Radio Obrera (Spain) sticker (3.5"cir)m/c. #351: 4XD (New Zealand) sticker (1.5x7.5") blue, white-one of the oldest stations in the world!! #352: KAIM (Hawaii) sticker (4x7") blue, white. #353: Radio Vatican 1984 calendar in English, m/c-very nice. #354: Radio Vatican 1984 calendar in French. #355: Radio Vatican 1984 calendar in German. #356: Radio Vatican 1984 calendar in Polish. #357: Radio Vatican 1984 calendar in Italian. #358: Europe #1 (FRG) sticker (2.5x7.5") blue, B&W. #359: HCJB-FM (Ecuador) sticker (3x8") B&W. #360: Radio Forth (Scotland) decal (5x6") m/c. #361: Radio 3 Stuttgart (FRG) sticker (5x5") m/c-nice! #362: Deutschlandfunk (FRG) sticker (5x6") m/c. #363: Radio Cayman sticker (3.5x12") orange, B&W-rare! #364: Radio Nottingham (UK) decal (3x7.5") m/c. #365: Radio Munich (FRG) decal (4x6") blue, white. #366: Radio Tirol (Italy) sticker (3.5x4") red, B&W. #367: Radio Liberaire (France) sticker (3.5x4") B&W-nice! #368: CFRB staff photo card (3.5x5.5") B&W. #369: KNUI (Hawaii) sticker (4x7.5") red, white. #370: MYFR sticker (4x6") yellow, B&W. #371: 4GG (Australia) sticker (6.5"cir)m/c-beauty! #372: KOME large 1984 wall calendar (13"x3") m/c-beautiful!! #373: Radio Mexico sticker (3x4.5") m/c. #374: Radio Nacional do Brasil sticker (3.5"cir)m/c-nice! #375: Peter Flowers Radio (Italy) sticker (3x6.5") m/c. #376: VOA sticker (3"cir) red, white, blue. #377: Radio 210 (UK) decal (4.5"cir)m/c. #378: Radio Italia metallic sticker (4.5"cir)m/c-beautiful! #379: Bayerischer Rundfunk (FRG) sticker (4"cir) blue, B&W. #380: Italia-TV sticker (3.5"cir)m/c. #381: COFX sticker (4.5"cir)m/c-beauty! #382: IBC (Italy) sticker (3x5") white, purple. #383: Radio Vatican QSL card (4x6") m/c. #384: Radio Mediterranean (Malta) sticker (4"cir) red, white, blue. #385: Radio Luna Perugia (Italy) sticker (3x4.5") blue, B&W. #386: Radio Koper-Capodistria (Yugoslavia) sticker (2.5x3") m/c-rare! #387: Peter Flowers Radio sticker (2x19") white, green-nice! #388: 4FFF (New Zealand) sticker (3x6") red, white. #389: Red Rose Radio (UK) decal (5x5") m/c. #390: Radio Veritas sticker (3x10") yellow, B&W-rare! #391: Radio Japan 3 different QSL cards (4x6") m/c. #392: Voice of Asia (Taiwan) pin, m/c-beautiful!! #393: Radio Tirol Wundervoll (Italy) sticker (2.5x4") red, B&W. #394: Radio West (UK) pen, m/c-nice! #395: Voice of Tomorrow (US-Pirate) QSL card (3x5") B&W. #396: BBSI Radio (Italy) sticker (1x7") m/c. #397: World Scout Bureau QSL card (3.5x5") red, B&W. #398: RBI (DDR) cloth pennant (5x8") red, blue, white. #399: RBI (DDR) cloth pennant (6x10") m/c with Bear emblem. #400: REE (Spain) cloth pennant (5x9") m/c. #401: RAE (Argentina) paper pennant (5x8") m/c-nice! #402: Radio Nederland address book (2.5x3") red, gold. #403: Radio Nederland money pouch (3x3") B&W. #404: WVVI (Virgin Islands) sticker (3x5") blue, white. #405: Radio Milano International poster (12x16") m/c-nice! #406: Radio 210 metal badge (1.5"cir) red, B&W. #407: Radio 210 pencil, red, gold. #408: Radio Nederland cloth pennant (4x6") m/c. #409: RBI (DDR) plastic litter bag (11x17") m/c. #410: Radio Banconara Sciu (Italy) metallic sticker (2x4.5") m/c-very nice! #411: Radio Veritas cloth pennant (3x5.5") blue, white. #412: Radio Veritas cloth pennant (4x8") m/c. #413: Radio Veritas cloth pennant (4x8") yellow, blue, white. #414: HRVC (Honduras) cloth 22nd Anniversary cloth pennant (6x11") blue, B&W. #415: Radio Korea double sided paper pennant (4x8.5") m/c-nice! #416: Radio Tampa-NSB (Japan) sticker silver, black-sharp! #417: Radio Clyde (Scotland) decal (2.5x23") red, white. #418: KTAC large m/c station poster. #419: Radio Sweden poster (12x16") m/c. #420: ANARC metal badge (1.5"cir) B&W-rare! #421: BBC-World Service (UK) metal badge (1.5"cir) red, white, blue. #422: WDR Radio (FRG) pen, blue, B&W. #423: RBI (DDR) stick pin, blue, white. #424: Radio Polonia stick pin, red, white, silver. #425: 6WF (Australia) cloth sew-on arm patch, blue, white, orange-very nice! #426: South Coast Radio (Ireland) decal (6x6") red, B&W. #427: 4ZA (New Zealand) sticker "Kiwi Bird with Flag" (5"cir) m/c-beautiful!! Hope there is something here for you!

ADDITIONAL DIRECT SALE ITEMS: The following items are available at the quoted prices: WLPX, WMMR and WMET metal badges at \$.25 each; mini-B&W posters at \$.25 each from Radio London, Radio Nord, Voice of Syncom, Radio West, Radio Duomo (car) (woman), Radio Caroline and Radio Fil Rose; RBI and Radio Peking book markers at \$.25 each; WMMR book covers at \$.25 each; metal "Antenna" badge at \$.25 each; RCI plastic station pennants at \$1.50 each; WVVE large litter bags at \$.50 each; RCI DJ photo card at \$.50 each; KIVI-TV plastic litter bag at \$.50 each. **HAP THANKS:** A very big thank you goes out to the following people who have made recent donations: Dave Platt, Edward Mitkus, Charles Foxx, John Bryant, Don McCants, Joe Talbot, Josh Gaffin, Arthur Cushen, Michael Tuggle, Mark Warner and Bill Matthews. Thank you...Sam. Almost forgot one of my good friends Don Moore down Honduras way.

ADDRESS: Please send your orders for direct sale items and your bids to Sam Barto, 47 Prospect Place, Bristol, CT. 06010 USA. Please try to keep a minimum order on direct sale items to at least \$3.00. Thank you...Sam.

REQUEST: We wish to make the 1984 ANARC Convention in Toronto the best ever. We desperately need any and all types of radio and TV station promotional items. These include stickers, decals, pens, pins, mugs, books, records, T-Shirts, etc. We are asking you, our supporters and friends, to help us out. Please contact your locals stations to see what may be available. We will greatly accept all donations...Sam.

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