

FRENDX

BROADCAST TIMES & FREQUENCIES FOR RADIO BEIJING ENGLISH LANGUAGE SERVICE

(Beginning May 5, 1984)

Beijing Time	GMT	Local Standard Time	Metre Bands	kHz
North America (East Coast)				
08.00-09.00	00.00-01.00	19.00-20.00 (E.S.T.)	25, 19, 19	11650, 15385, 15520
09.00-10.00	01.00-02.00	20.00-21.00 (E.S.T.)	25, 19, 19	11650, 15385, 15520
10.00-11.00	02.00-03.00	21.00-22.00 (E.S.T.)	25, 19	11650, 15385
19.00-20.00	11.00-12.00	06.00-07.00 (E.S.T.)	19	15520
20.00-21.00	12.00-13.00	07.00-08.00 (E.S.T.)	25, 19	11650, 15520
North America (West Coast)				
11.00-12.00	03.00-04.00	18.00-20.00 (P.S.T.)	16, 19, 19	17795, 15385, 15520
12.00-13.00	04.00-05.00	20.00-21.00 (P.S.T.)	16, 19	17795, 15385



RADIO BEIJING'S REGULAR FEATURES

Sunday	China Anthology Music Album Listeners' Letterbox
Monday	Across the Land Chinese Cooking Learn to Speak Chinese
Tuesday	Travel Talk Listeners' Letterbox (rebroadcast)
Wednesday	The Third World Marches On Learn to Speak Chinese (rebroadcast)
Thursday	China in Construction Culture in China
Friday	Profile The Land and the People Listeners calling (every other week)
Saturday	Chinese Sayings & Stories Music From China

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Drake R-4B with MS-4 speaker. Has new VFO and detector board from R-4C. \$250.00 includes shipping. Also MFJ-959 antenna tuner/preamplifier, \$50.00 shipped. David Walcutt, 211 West 56 Street, Apt. 36F, New York, NY 10019. Phone (212) 315-1286.

WANTED: Owner's manual or instructions for RCA radio Model 9X-562 and Sears Silvertone 1949 catalog number 9006. Any information on these radios will be appreciated. Tom R. Mooningham, P.O. Box 8512, Camp Lejeune, NC 28542-8512.

FOR SALE: Drake SPR-4 for 150 kHz to 4 MHz continuous and SW and ham bands. T4XC transmitter for 160 meters through 10 meters including 30 meters. Transceiver control module to transceive through the SPR-4. Includes power supplies and mikes. Price \$525.00 plus shipping. Tom Sundstrom, Box 2275, Vincentown, NJ 08088.

FOR SALE: About 20 old communications receivers, RBA, RBB, RBC, RBL, RAK, AN/SRR-11, R390A, Hammarlunds, RME, etc. Also many antique radios from 1920's to 1940's. Lots of 390A parts and modules. Many pieces of old test equipment, tubes, etc. Too much to list here, and most radios too heavy to ship. If you're near Los Angeles, please call to see. Prices are very reasonable. Dick Nelson, 3470 Travis Avenue, Simi Valley, CA 93063. Phone (805) 526-7066.

FOR SALE: Sony ICF-2001 portable digital synthesized receiver in good condition, \$100. Larry Albert, P.O. Box 83, Chestnut Hill, MA 02167. Phone (617) 254-6398.

FOR SALE: Grundig Yacht Boy 120, portable with Grundig NR-75 power converter. \$100.00 including shipping. Bob Overmyer, 2331 Shoreland, Toledo, OH 43611. Phone (419) 726-4024.

WANTED: Back issues of FRENDX (prior to August, 1973). Will buy or trade. Bill Martin, 43 Hurst Road, Deerhurst, Wilmington, DE 19803.

WANTED: Arabic reception report form. John Gunter, Route 1, Box 369, Durham, NC 27705.

WANTED: 1966 and 1967 editions of WRTH and English version of The "Little Red Book" that Radio Peking sent to listeners in the late 60's containing quotes from Chairman Mao Tse Tung. Please state price and condition. Tom Daly, 132 Richard Court, Pomona, NY 10970. Phone (914) 354-5087.

FOR SALE: Info-Tech M-200F and RCA Monitor, excellent condition. Price \$435.00 including RTTY Press Guide and shipping, or best offer. WRTH, 1975-1983, \$6.75 each, book rate in U.S. Speedx UTE Guide in mint condition, \$8.50. Fifty QSL cards from 1969 to 1982, \$1.50 each different countries or best offer. Speedx bulletins 9/81 to 12/83, \$15.00. FRENDX bulletins 1/81 to 12/83, \$18.00. Heathkit HD-1416 Code Oscillator and key, \$12.00. SPR-4 frequency extender with 10 crystals. Plugs into any SPR-4 and works great, \$65.00. Also 10 other publications, four Klingenfuss books, and thirteen SW broadcast tapes (originals with instructions). Send SASE for list. James R. Uerlings, 3908 Kelly Drive, Klamath Falls, OR 97601.

NOTICE, PLEASE: Ads are printed in FRENDX whenever space is available at no cost to NASWA members. Send all ads to NASWA, 45 Wildflower Road, Levittown, PA 19057 and please specify who is to pay shipping on all items.

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CATCHING UP ON THE COVERS

The July cover was a copy of the latest yearly Radio Canada International QSL card. There's something about old maps that makes a nice card. Who will ever forget the beautiful one sent out by Radio Portugal in the 70's? The August cover was compiled by John Herkimer to illustrate some of the stamps mentioned in the fine article by Neil Carleton, "RADIO STAMPS", which appeared in the July FRENEX. This month's cover is an illustration of the latest schedule sent out by Radio Beijing. Accompanying the schedule was a brochure of 12 masterpieces of contemporary Chinese paintings.

CENTRAL KENTUCKY DX ASSOCIATION TO MEET

Mark Bryant announces a get-together sponsored by the CKDXA to be held on September 22 in Lexington. It is open to everyone interested with the main focus on SW, SWL, MW, and UTES. A time hasn't been set yet, but you can receive information on the meeting by writing to Mark Bryant, Box 23134, Lexington, KY 40523 or by calling Mark at (606) 272-7060 from 2300 to 0500 GMT or Lee Loy at (606) 622-1657. This is one you shouldn't miss if you can possibly attend.

PEN-PAL WANTED

NASWA member Mr. Koichiro Sasaki would like to correspond with other members in the United States. He writes that he is 27 years old and works for a building construction company as an engineer. He started DXing two years ago and is mainly interested in Middle East and Asian stations. In addition to SWL, his interests include Fine Arts, Architectural History, and foreign languages. You may write to him in either English or Japanese, and he promises to reply promptly. His address is Mr. Koichiro Sasaki, 1-15-11 Shinden, Ichikawa-shi, Chiba-ken, Japan.

NEW SUPPLY OF NASWA STAMPS

Headquarters has received a new supply of the NASWA Logo Stamp. This stamp adds a nice touch to your correspondence and identifies you as a NASWA member. The price of \$3.50 includes postage. Write to NASWA, 45 Wildflower Road, Levittown, PA 19057. Also on hand are more copies of the famous "DXING ACCORDING TO NASWA", fourth edition. Price is \$6.00 by First Class Mail and \$5.00 by Fourth Class Book Rate.

FOR SALE: Drake SPR-4 receiver, \$225.00 and Drake R-4B receiver, \$200.00. Both are in excellent shape and Drake serviced. Lots of crystals, manuals, and accessories with each rig. Herb Shatz, 99-15 66th Avenue, Apt. 3-A, Rego Park, NY 11374. Phone (212) 275-9215 from 2300 to 0100 GMT or (212) 953-7744 weekdays from 1300 to 1900 GMT.

FOR SALE: MFJ 1020 active antenna with AC adapter in excellent condition. Both for \$50.00. Peter J. Giacobelli, 305 Ocean Avenue, Malverne, NY 11565. Phone (516) 887-7490.

In SWC this month... Bill Krause, of ANARC's Computer Information Committee, describes how computers can help the visually handicapped DXer, the operator of RADIO USA, a pirate station, pleads his case, the infamous "Nibi-Nibi" hoax is recalled by way of a classic SWC article from 1973, Michael Schmitz checks in again with another in his series, "DXing from Europe", and Kurt Enkenhus discusses trends in receiver design....(JH)

Among the very old copies of "Sweden Calling DXers" bulletins I have, one stands out from the rest. It's dated September 8, 1958 and amid the loggings is one special item: Nibi-Nibi!

The phrase "Nibi-Nibi" has become familiar enough in the hobby to be synonymous with anything that resembles a hoax or fraud. Indeed, even the relatively novice DXer has heard of the infamous scam that dates back almost 26 years. Yet, few know the story behind the hoax and there are only a few DXers now active who recall those years. Those that do remember feel that the best story has already been written.

Back in May 1973 the definitive story behind "Nibi-Nibi" appeared in Shortwave Center, then under the capable command of Al Sizer. The article was written by John Callarman, a well-known DXer, and we are reprinting it here at the request of many. The illustrations are from the bulletins I have at hand. (JH)

NIBI-NIBI: HOAX OR SATIRE?

By John Callarman

When any two DXers get together, if they talk long enough, they get to some of the "legends of DX"...and one of the most repeated legends is the Nibi-Nibi story.

The storm over a phony report to the Deutsche Welle DX bulletin in 1958, about a radio station on the non-existent South Sea island of "Nibi-Nibi" may have blown it out of all realistic proportion, taken on its own merits. An examination of the history of the Nibi-Nibi "hoax" leads to the conclusion that if anyone else than the actual author of the Nibi-Nibi "tip" had been involved, it may very well have been brushed off as clever satire. Because the DXer involved had engaged in other, far-more devious DX activities, there was no hesitation on the part of the "DX Establishment" to "drum him out of the lodge" for the PROVABLE offense.

I played a central role in this enforced DX-ile, and while I do not take the hobby quite as all-important seriously as I did then, I probably would act the same way now, given the same set of circumstances.

(The actual "Nibi-Nibi" logging as it appeared in 1958)

S W E D E N C A L L I N G D X e r s ;

Radio Sweden
Stockholm

All times GMT

DX-Bulletin No 465
September 8th 1958

Every Monday at 12.30, 14.00, 14.45, 16.15, 17.45, 19.45, 20.30,
Tuesdays 00.00, 01.45 and 03.15. Last part of English half hour.

Nibi-Nibi. The radio station on Nibi-Nibi "The Island Paradise of the Pacific" operates on 615 and 7,712 kc/s at 0700-1030 and 2200-2400 hrs. (Deutsche Welle DX-Bulletin.)

French Eq. Africa. According to a schedule just received, Radio Brazzaville broadcasts daily at 0500-0700 hrs on 1,484, 5,970, 9,730, 11,070 and 15,440 kc/s. At 0830-0915 on 15,440 kc/s.

Before we examine "Nibi-Nibi" itself, a couple of background notes--- In 1958, shortwave editor Kenneth R. Boord was publishing a circular letter (five copies, or circuits, of three to six DXers mailing Boord's compilation of reports chain-letter fashion.) One of the key contributors was a long-time DXer who was working for the Foreign Broadcast Information Service, an arm of the CIA, stationed on Cyprus. Because he was in top-secret duty, he requested that his name and location be kept secret--- so he was known publicly as "Middle East Correspondent". A few people in the DX establishment knew the name he'd DXed under in "civilian" life---even fewer knew his full, Greek name from which his shorter DX name derived.

In the summer of 1958 I returned to the States from Army duty in Germany, became one of the editors of the Universal Radio DX Club bulletin and took off one day for a six-week tour of the West that included many visits with DXers.

Another URDXC editor, Rolan Kunkel of Redlands, California, had received, shortly before my visit, a page-long report from "Southern California DX Correspondent", otherwise unidentified, postmarked San Diego. The report consisted of about 8 or 10 "tips" of a satirical nature, exotic catches, program descriptions similar to Middle East Correspondent's material. I could not recall later if reference to Nibi-Nibi was made in this particular report, but the "tips" were "Nibi-Nibi-like". Kunkel recognized the typewriter and general style of presentation---the excessive use of hand-stamps, for example---as that of a DXer I'll call "David X. King". I compared "Southern California DX Correspondent's" report with the one I received from King last and came to the same conclusion.

King's residence was on my list of DXers to visit (Bill Flynn had specifically suggested I visit him) and it certainly was an interesting evening. A perusal of his QSL-collection produced many observations, among them, these:

1. A letter from Radio Brazzaville criticizing him in no uncertain terms for his bad manners in writing continually nasty letters about the way they QSLed.

2. A letter from a 500-watt Japanese medium wave station saying, "This verifies your reception of JO---. It's too bad you didn't send any program details so we could check them against our log."

3. A letter from Radio Bahrein, 610 kHz, 10 kW (a frequency occupied by a 24-hour-a-day, 7-days-a-week Californian) verifying a follow-up report of July reception, saying the original report was never delivered.

4. A QSL card from Sender Freies Berlin, 566 kHz, then 5 kW, with no blanks filled in which D.X. King told me was sent in response to his request for a sample QSL. (Later, King reported a S.F.B. verie to the QSL section of the Deutsche Welle DX Bulletin.

These and many other similar "verifications" in his large collection convinced me he had perfected several techniques for extracting verifications without going through the hard work of hearing the station.

(The Deutsche Welle DX Bulletin where the hoax first appeared in print)



DEUTSCHE WELLE

DX-Bulletin No. 115

WEST IRIAN: Radio West New Guinea, Keta Baru (Hollandia), has now become a regional station of Radio Republik Indonesia. Audible around 0730-0830 on 7190 and 6070 Kc. (S.Shiraishi). Closing time is 1330. (Akira Chijiwa) in JSWC

GUINEA REPUBLIC: Radio Conkry heard on 9650 kc/s from 2245, with French news 2330. This was formerly on 11965 kc/s. Joehen Maurer in SCDXC

When the Deutsche Welle DX Bulletin editor, Horst A.C. Krieger, published the "Nibi-Nibi" item, attributed to the otherwise unidentified "DED5, Southern California DX Correspondent", it was subsequently picked up as at least "possibly real" by other DX bulletins. My initial reactions were two-fold: 1) that David X. King had sent his satirical tips to Krieger and 2) that Krieger had been a little careless in running the item straight-faced without some question (or some laughter).

Another quirk---the name of the verie signer for Nibi-Nibi was phonetically similar (though not 100% correct, spelling-wise), to the real name of "Middle East Correspondent", indicating a DXer with at least some "inside knowledge" of the hobby's personalities---knowledge that David X. King was known to have.

I still believe that the DX hobby world over-reacted to Nibi-Nibi. Many DXers and editors were fooled, accepting the tip at face value and later were particularly angry at the hoax. One long-time phony DXer was caught, actually claiming reception in a report to another club bulletin.

From several different sources came evidence that D.X. King had perpetrated "Nibi-Nibi". Dick Labate, then editing an "Odds and Ends" column in the Newark News Radio Club bulletin, had a reference from King to Nibi-Nibi that was mailed well before the Deutsche Welle bulletin was published, to cite one example.

I wrote King, suggesting that indeed Nibi-Nibi wasn't really that important, but his manner of obtaining QSLs was. I suggested that all the effort he put into fabricating reception reports could have been constructively spent in genuine listening and information-gathering for various clubs---that the glory-seeking accumulation of verifications from impossible catches only served to eliminate any possibility of acceptance of any legitimate achievement he might attain. I offered him the opportunity of confession to the inner circles of the hobby and a fresh start....but the response was to deny all and to scoff at the entire situation. He claimed all his verifications were legitimate, and that he had nothing to do with Nibi-Nibi. When Horst Krieger turned to the German police and they proved that Southern California

DX Correspondent's Nibi-Nibi report had been typed on the same typewriter as David X. King's reports, his identity became public knowledge....and his name never showed again in DX publications.

Nibi-Nibi is quite a legend---but there have been other satirical items appear that haven't caused the stir Nibi-Nibi did. Maybe it was its seeming acceptance at face value by the Deutsche Welle bulletin editor that was really responsible for the subsequent hassle and the ultimate legend.

The larger moral, though, can be drawn from D.X. King's overall activities, divorced from "Nibi-Nibi". And that is this---a verification is only as good as the word of its recipient.

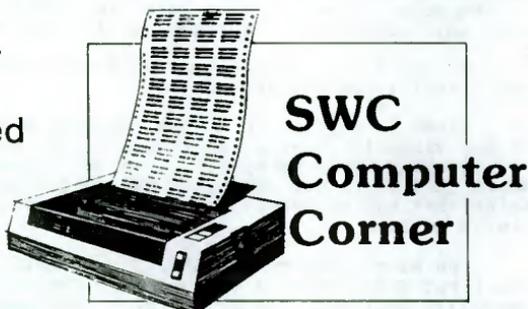
AFTERWORD: Several months after the Nibi-Nibi flap was ended, I received a letter from David X. King. I was then News Director at a radio station in Texas and King was getting started in broadcasting at a tiny FM'er in San Diego. He asked for any hints I could give him on "making it in broadcasting".

Well, today, the latest listing of members of the Radio and Television News Directors Association (in the 1972 Broadcasting Yearbook) shows someone with D.X. King's name serving as News Director at a medium market television station in the South.

Question: Would you believe his newscasts?

The Home Computer As An Aid To The Visually Impaired DXer

by Bill Krause



As I have written earlier, and Bill Cole has shown with his programs, computers are valuable accessories to anyone's radio room. They can keep your logs, tell you what's on and when it's on, calculate sunrise-sunset times, even write your reception reports, and much more. However, for most of us we can, and have done most of these things for years without the use of a computer. The key, of course, is that the computer can do all these things with an astounding degree of speed, appearance, and accuracy that cannot be matched by mere mortals like you and I. And the computer can do all this for a relatively modest investment.

Unfortunately though, there is a significant group in our hobby that cannot do these things for themselves. I speak of the visually impaired. The HAP organization is ample evidence of their numbers and interest. It is difficult, or impossible, for them to do such things as read program schedules or write reception reports, let alone calculate sunrise-sunset times. All things we did before the advent of the home computer; all things that the computer does better; and all things we can now take for granted.

On the surface it would appear that the computer would be of no use to the visually impaired. Because of limitations on their eyesight they cannot utilize either the visual screen display of the computer or its printed output.

The answer for the visually impaired radio enthusiast is a talking computer. A computer which can give its output, not as words on a screen or printed on a piece of paper, but rather as audibly understandable words and phrases. I am pleased to report that this capability is now present through the use of speech synthesizing software.

The use of this software ought to enable a visually impaired radio hobbyist to use his computer in much the same manner as a normally sighted individual. There will probably be some limitations, but it is hoped and expected that these will be relatively minor. Preliminary work that I have done with this software is very encouraging but not conclusive.

The first program utilizing this capability will be available from the ANARC COMPUTER INFORMATION COMMITTEE in late summer or early fall. This first program will be similar to our currently available reception guide program, and will deal with which bands are best to listen to, to hear a certain geographic area at a certain time. This has been chosen because our early work indicates that this will involve the simplest programming and thus can be made available as quickly as possible. Our inclination is then to proceed with some sort of schedule-type program, perhaps similar to Bill Cole's family of ENGLISH LANGUAGE TO NORTH AMERICA programs. However, exactly what direction we take, and how fast we go there, will depend largely on the response we get from potential users of this technology, and also any technical or programming difficulties we might encounter.

Before I conclude, let me deal with two potential concerns about the viability of all this.

First is the matter of the computer keyboard and thus the ability of the visually impaired to interact with the computer. Since I am not visually impaired myself, I am not an expert in the field, but I am aware that there are braillized typewriter keyboards in use. I would think that adding braille to a computer keyboard would be a relatively simple matter.

The other concern is cost. I am working with a Commodore 64 and the first software will be available for this computer. The C64 is generally available for around \$200. You would, of course, need either datacette or disk drive, adding another \$75 to \$200 to your hardware cost. The speech synthesis software sells for less than \$50. The ANARC COMPUTER INFORMATION COMMITTEE will make the individual radio-related software available to legitimately visually impaired hobbyists at no charge. Perhaps HAP would be willing to aid in its distribution? The speech synthesizing software is apparently available for a variety of home computers, although the radio-related programs are likely to, at least initially, only be available for the C64. The cost of the computer would essentially be the same for sighted as well as the non-sighted except, of course, that the non-sighted would not be very concerned with a monitor or possibly a printer. And the speech synthesizing software opens up a variety of non-radio related applications of the computer for the visually impaired, thus increasing the cost effectiveness of the purchase of the computer.

By way of concluding, I hope that this article will spark a response from those who come in contact with it. I would like to hear from both the visually impaired and those others who for any reason might be interested in this area. I think that the radio hobby, for as long as I can remember, has made a special effort to reach out to the visually impaired. I hope that what I have just brought out might be another aspect of that reaching out to make this a more enjoyable hobby for all.

(Editor's note: Bill is, as you probably already know, head of ANARC's Computer Information Committee, mentioned in the above article. Bill can be reached at: 6700 153rd Lane, N.W., Anoka, MN 55303)



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

MODERN RECEIVER DESIGN AND SHORT WAVE LISTENING

by
Kurt Enkenhus
1601 Rainbow Drive
Silver Spring, Maryland
U.S.A. 20904

Early Receivers

When I started high school in 1943, I met some boys who built radios. How well I remember, in the stillness of a cold winter night, clamping the headphones of my first crystal set to my ears, and faintly but clearly hearing Seattle, Washington, hundreds of miles away!

My crystal set had the four basic elements required for AM reception— (1) an antenna strung out the window to a tree to pick up radio frequency signals; (2) a tunable circuit to select the frequency of interest; (3) the crystal, to rectify the amplitude-modulated (AM) carrier to recover the audio signal, and (4) earphones to transform this electrical signal to sound vibrations. The set tuned only the broadcast band, lacked any amplifying ability, and had poor selectivity.

The following summer, I built a two-tube regenerative receiver with plug-in coils capable of tuning the various short-wave bands. The first tube served as a combined radio-frequency amplifier and detector. Regeneration was produced by feeding back a portion of the output signal of this tube to the input, thereby not only amplifying the signal thousands of times, but also increasing the selectivity of the tuned circuit to greatly enhance the sharpness of tuning. The degree of regeneration was adjustable using a potentiometer, and could be increased until the set began to howl as it broke into oscillation. The second tube was an audio amplifier capable of driving a small speaker on strong signals.

In the early days of radio, the tuned radio frequency receiver followed the crystal set and the regenerative receiver. I once had a four-tube, battery-operated Stromberg-Carlson my uncle bought at an auction. Though dusty from disuse in a farmer's attic, it still worked well. It had three tuned RF circuits and two RF amplifier tubes. The third tube served as the detector and first audio amplifier. The fourth tube was the audio power amplifier. It did not require the finicky adjustment of a regenerative receiver when mother tuned in the soap opera, and had plenty of volume.

The Superheterodyne

My next receiver was a Heathkit five-tube, general coverage superheterodyne. It tuned the standard broadcast band, and the short-wave spectrum from 1.6 to 30 MHz in three additional bands. In a superheterodyne receiver, signals are converted to a fixed, low intermediate frequency (IF) before being amplified, because both gain and selectivity are most easily obtained using tuned circuits at low radio frequencies. In my set, a mixer tube combined the desired signal with that from a local oscillator to produce an IF of 455 kHz. For example, setting the dial to 1500 kHz tuned the local

oscillator to 1955 kHz, thus producing a difference frequency of 1955-1500=455 kHz. The IF amplifier tube with its 455 kHz tuned circuits was followed by a tube combining the detector and first audio amplifier. An audio power amplifier tube provided additional gain to drive the loudspeaker. The fifth tube was the power supply rectifier.

The use of frequency conversion in the superheterodyne receiver can introduce unwanted image signals. For example, with a 455 kHz IF, a station which is either 455 kHz below or above the oscillator frequency may be heard. The unwanted station frequency is the **image**. The radio frequency circuits preceding the mixer must have enough selectivity to attenuate the image. The number of dB the image is suppressed below the desired signal is the **image rejection**. Good image rejection can be achieved by making the image frequency differ as much as possible from the tuned frequency. Since the image and desired frequencies differ by twice the IF, using a high IF will help. But we have a design dilemma, since a low IF is desirable for best amplification and selectivity.

The solution to this problem has been the development of the **double-conversion superheterodyne**. The incoming signal is first mixed with a local oscillator to produce a high first IF to provide the necessary image rejection. A second mixer-oscillator then produces the second, low IF (such as 455 kHz) where most of the gain and selectivity are achieved. Most quality communications receivers built since World War II have used double conversion.

The Evolution of the General Coverage Superheterodyne

My Heathkit was an admirable performer for the money, but with the short-wave spectrum divided into only three bands, tuning was too coarse, the dial readings were crowded together at the high end, and accurate frequency determination was impossible.

This problem was partially overcome in my next receiver, a Nordmende Globetrotter portable. It had eleven short wave bands. Due to the narrower range of frequencies tuned in each band, fine tuning was easy and the dial was more linear. However, I still had to do my own dial calibration by listening to stations of known frequency, noting the dial readings, and plotting a graph.

The multiple-band approach used in the Nordmende represents a "brute force" solution, involving a large number of tuned, band-switched circuits requiring careful alignment. A better design approach adopted in the 1960's was to build a basic receiver capable of accurately tuning a single range, say 500 kHz. Other 500 kHz-wide "bands" were then precisely "beat" into this range using **crystal oscillators**. A preselector tuning control was used to tune the RF and mixer circuits for each such band. My next radio, a Heathkit SB-300 Ham receiver, was designed in this way. Modern receivers avoid preselector tuning by using **band-pass filters** which have an essentially "flat" response across the band of interest and attenuate other signals.

Crystal oscillators can be used to build frequency converters to extend the tuning range of any receiver. The Heath SB-300 tuned only the Ham bands. To provide additional coverage, I built a **crystal-controlled converter** to "beat" six of the international short-wave bands into a selected Ham band.

At this point, the reader may be surprised that I have not cited the invention of the transistor as a major gain in receiver design. The use of solid state circuitry has resulted in increased reliability, reduced power drain, and miniaturization. The "receiver on a chip" is not far away. However, most transistorized electronic circuitry has merely been adapted from its tube counterparts.

A notable exception, which has recently revolutionized receiver design, is the marriage of computer and communications technology.

The first application of computer technology was the development of **digital dial readouts**. A **frequency counter** is used to count the number of signal cycles for a fixed time, and show the results on a **LED display**.

Counting for one millisecond yields the frequency in kHz. Since counting is clocked by a crystal oscillator, the frequency displayed is very accurate.

A major revolution has been caused by the **phase-locked loop (PLL) digital VFO**. This device uses a variable frequency oscillator (VFO) to precisely generate any desired frequency, by referencing the output, through digital frequency dividers, to a standard crystal oscillator. The digital frequency dividers can be programmed to produce the desired VFO frequency. The phase-locked loop holds the frequency at the desired value. In some receivers, a keyboard is used to enter the frequency. Alternatively, rotation of the tuning dial generates the necessary command signals.

Here we have the "ideal" invention the radio designer had dreamed about—a single, accurate, stable oscillator capable of covering the entire frequency range of interest in short-wave listening. By using it to beat incoming signals into the first IF of a double-conversion superheterodyne, we have the nearly perfect receiver. The basic receiver operates at fixed frequencies—the 1st and 2nd IF, so it requires no tuning circuits or moving parts. Front-end filtering is provided by automatic switching of a number of band-pass circuits.

Digital frequency generation has the additional advantage that it is easy to develop **memory units** which will allow a desired station frequency to be recalled later. Since frequencies are generated by computer principles, all that is needed is to add a small computer "memory" to recall stored frequencies.

Advances in Signal Processing

The intelligibility and listening quality of a station can be very significantly improved if the receiver incorporates means to process signals. The more important devices, most of which have been in use for many years, are discussed below.

The overall performance gains provided by the superheterodyne led to the need for some means other than the manual volume control to avoid blasting the listener's ears when tuning from a weak to a strong station. To provide **automatic volume control (AVC)**, the gain of the RF and IF stages is automatically adjusted by an operating bias derived from the mean IF signal. The **"S-Meter"**, which indicates signal strength, usually obtains its voltage from this bias. The use of AVC is not always desirable in short-wave listening, however. For maximum sensitivity to weak signals, the AVC needs to be turned off. Modern receivers also have means to adjust the **AVC time constant** from "slow" to "fast" to suit different conditions.

Optimum reception in crowded bands requires that the operator be able to control the **selectivity**, i.e., the IF bandwidth. We have already noted that some degree of variable selectivity was attained in the simple regenerative receiver. Receiver add-ons of the 1950's, such as the **Q-multiplier**, used regeneration. Hams tried cascading large numbers of tuned IF circuits to achieve more consistent results. The final solution has been the widespread use of **mechanical and crystal-lattice filters**. For example, the NRD-515 I now own has four filters providing selectable bandwidths of 6, 4, 2, and 0.6 kHz. Sharper "skirts" which further eliminate adjacent channel interference can be obtained by cascading two such filters in series, but SWL receiver manufacturers have yet to pick up on this. Indeed, many manufacturers use **ceramic filters** which are relatively cheap but of inferior performance.

Another useful device for eliminating code stations or the heterodyne tone caused by an adjacent station is the **tuneable IF notch filter**, which strongly rejects a narrow band of frequencies.

In recent years, **active audio filters** which can be connected between the receiver and earphones (or speaker) have become popular. The circuits provide frequency-dependent amplification which results in a response similar to that of mechanical or crystal-lattice IF filters. A notch can also be produced, but the null is usually not as deep as in an IF notch filter.

Good receivers also usually incorporate some form of **noise clipper** or **noise silencer**. The former clips impulse noise peaks; the latter "silences" the receiver for the duration of a noise pulse.

ECSS and Passband Tuning

The signal of an AM broadcast station consists of the carrier, and upper and lower sidebands encoding the speech or music. In **single sideband**, only one sideband is transmitted, and a **beat-frequency oscillator (BFO)** in the receiver reinserts the carrier. Although radio amateurs use single sideband almost exclusively, international short-wave broadcasters use AM. However, a very significant reduction in noise, better intelligibility, and a noticeable improvement in sensitivity are achievable by tuning AM stations with the receiver in the single-sideband mode. This is referred to as **Exalted Carrier Selectable Sideband (ECSS)** reception. I use ECSS almost exclusively with my NRD-515 receiver. One must tune carefully to zero beat the transmitted carrier using the fine tuning (RIT) control, since the frequency synthesizer only tunes in 10 Hz steps. While most synthesized receivers including the ICOM R70 have an RIT control, the new ICOM R71 inexplicably does not, and is therefore not properly tuneable for ECSS reception. The Eska RX99PL soon to be in production will be the first receiver to incorporate a phase-locked loop to zero beat the carrier automatically.

Using ECSS has additional advantages. It is easy to determine the transmitted frequency to 0.1 kHz, which is not possible in the AM tuning mode. Also, weak signals emit a whistle as one tunes across them, making it easy to spot DX stations. Furthermore, by switching sidebands it is possible to eliminate interference occurring on one of the sidebands.

Further benefits in intelligibility are possible when employing ECSS together with **passband tuning**. Receivers such as the Drake R7A and the NRD-515 permit the IF signal to be tuned across the IF filter bandwidth to select the most intelligible response. For example, by selecting the CW mode of my NRD-515, I can apply passband tuning continuously from the lower sideband through the upper sideband. (In the LSB or USB mode, passband tuning is, of course, limited to the sideband selected.) It should be noted that the ICOM R70 and R71 receivers do not have true passband tuning, but rather, a form of variable selectivity in which the lower or upper side of the IF passband may be narrowed, much as the blinds on a window may be pulled in from either side. This method is also effective in improving intelligibility.

Selecting a Receiver

An understanding of receiver design principles and features is of considerable help in deciding what kind of a set will be suitable for your listening needs. The review of current receivers found in the World Radio TV Handbook is an excellent guide.

In summing up, we need to clearly keep in mind that the basic performance parameters which are sought are:

- sensitivity-** the ability to detect weak signals
- large dynamic range-** the ability to receive weak signals in the presence of strong adjacent ones without intermodular distortion or overloading
- selectivity-** the ability to separate crowded stations
- fidelity-** the accurate reproduction of broadcast signals
- stability-** freedom from frequency drift
- freedom from spurious signals-** provided by good image rejection, and
- accurate frequency calibration-** provided by digital readouts.

Although expensive receivers tend to be better than cheaper ones, performance improvements are not proportional to price. And don't forget that

using a good antenna is mandatory to get the most out of your set. For DX reception, a knowledge of where and when to listen for rare stations, and the vagaries of propagation outweigh the quality of the equipment involved. The intelligence and experience of the listener is still the most important ingredient!

John H. Demmitt (Box A K0848, Bellefonte, PA 16823) is looking for information on the Uniden CR-2021 receiver. Anyone with hands-on experience should contact John to help him decide between the CR-2021 and the SONY 2002. Thanks! (JH)

The saga continues....



DXing in Europe

by Michael Schmitz
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Last term I had the opportunity to prepare for some Spanish exams at a university in Spain. The university I decided to go to was in La Laguna, a small city in the North of Tenerife, Canary Islands. I stayed there for more than 6 months and took along with me my Grundig Satellit 3400. Because of that I got the opportunity to enjoy real DX apart from tuning in my home transmitter, the Deutsche Welle, with its newsbroadcasts. With this article I want to inform you about the DX experiences I've made during my stay.

First of all one has to mention that a trend which yet becomes visible in Southern Europe becomes even more clearer at the Islands. The lower SW bands (49 and 41 meters) are very similar to the tropical bands in Northern Europe. After f/out of the tropical bands also the 49 and 41 m bands fade out. That seems to be the most remarkable difference between North Europe and the Islands, because European DXers are used in receiving a number of very strong 49 m frequencies all day long.

At Tenerife 49 m band stations fade out from northeast to southwest in winter. One can take advantage of this effect by trying to receive the Nigerian locals under the decreasing North European giants. I've received Radio Sokoto quite often on 6195, a frequency which is normally blocked by the BBC. But after f/out of the giant, Sokoto remained for about 1 hour more. Between 5.30 and 7.00 UTC I could receive all of the Nigerian locals. Signal strength depends on actual reception conditions. The national newsbroadcast between 6.00 and 6.15 from Legos, relayed by all Nigerian local stations, both governmental and independently operated is followed by the news analysis and local programs. Some stations are also heard in the evening, but with more interferences. From 6.00 UTC on, the Sierra Leone BC was often received with excellent signal when using the 250 KW transmitter. I tuned in to the station quite often because it offered an excellent non-stop funky music morning program, only interrupted one or two times an hour by the announcement: "This is the Sierra Leone Broadcasting Service transmitting here from our transmitter station at Waterloo on Short Wave 5980 KHz". When using the 10 KW reserve transmitter the station didn't come through.

After f/out of European and African stations the 49 m band was free for South America, a totally unknown experience for North European DXers. Depending on reception conditions I could receive up to 15 South American stations. The most frequently heard are: 6200 LV del Sandino, 6180 Radio Turismo, 6150 Radio Impacto, 6117 LV del Llano, 611b Radio Union, 6065 Radio Super Bogotá, 6025 Radio Illimani, 6006 Radio meloj and 5955 LV de los Centauros.

Friends of Brazilian local stations will get value for their money at the Canary Islands. Generally Brazilian locals are heard from 20.00 on, on the international SW bands. Brazilian stations on the 49 and 31 m bands are heard 1 or 2 hours later. Furthermore one can receive many Brazilian morning programs between 8.00 and 11.00, depending on switch on. I recommend to start at 20.00 with stations in the 16 and 19 m bands and trying every Brazilian frequency down to the 49 m band. You'll be suprised at the great amount of stations that are heard with acceptable or even good signal. Frequencies you haven't received you can try during the morning program. Doing this it might be possible to receive about 70 per cent of the Brazilian local stations in the international SW bands within a few days.

Naturally the tropical bands are of special interest because they offer a direct view into regional and local broadcast. Successful tropical band reception at the Canary Islands primarily depends upon local circumstances. I believe this is true because there isn't a single interference-free car or electrical appliance. For real fare catches you have to go to remote regions. Nevertheless there are some remarkable changes between reception in Northern Europe and the Islands. First of all, Radio Abidjan on 4940, one of the strongest broadcasters at the Islands, is totally blocked in Europe by Kiev. Upper Volta is heard quite well if you use a receiver with good selectivity. Ghana is heard quite well on 4915 and 3366, Senegal has a program called "English Magazine" at 18.40 UTC on 4890. In addition a good receiver might also catch Djibouti, Cabinda and Candip.

It was phenomenal for me to receive South American tropical band stations also in the morning, being from Northern Europe. In the winter there are a number of Brazilian local stations heard, and after f/out of African stations the morning programs of some Venezuelen and Columbian stations can be received. Also it was unusual that ABC Brisbane, on 4920, is heard every day in winter with good signal whereas stations from Papua Newguinea with the same power aren't heard.

Medium Wave reception has to be handled with kid gloves. Local Canarian MW stations have high-pushed and bad modulated transmitters which spread their signals over the whole MW Scale. Therefore rare reception of Caribbean and South American stations is only possible outside of a radius of about 20 miles.

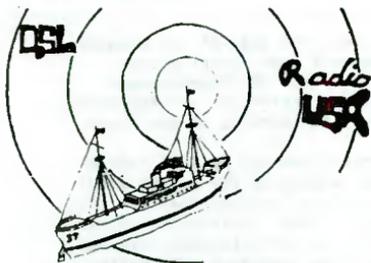
To close the roundabout here is a small survey of stations seldom heard in Europe, but frequently heard in the Islands. In February I received Radio Nacional San Gabriel almost every day and if reception was favorable it was well worth to trying 11835 for Radio El Espectador from Uruguay. In the evening you can tune in the notorical non-confirmer Conakry on 15310 and LV du Zaire on 15245. Also Tahiti is heard almost every night on 15170 and 11825. The 19 m band signal is a bit fainter but offers the lowest interference. I really enjoyed the polynesian music around 3.00 UTC.

If you are lucky and find a good remote place you can practice DXing without bounds. I had this opportunity during the Christmas holidays when I visited some Canarian friends at El Hierro, the smallest and most southern island of the archipelago. The island has about 150 square miles and only 6000 habitants. During a DXpedition which I made at the "Ermita de los Reyes" I got a small impression of what DXing can be alike. Miles away from the next house and about 20 miles away from the next electric source, well sheltered from interferences from the North by a one mile high massif the small stations became suddenly the greater and the larger stations faded out. With only little interference and modest noise I was welcomed by 90 and 60 m bands full of exotic stations which have never been heard in Europe with such a signal.

DXers paradise - still exists

Is pirate radio in the U.S. a curse or blessing? That's pretty much the question that divides the hobby, though most tend to lean to the former. While all sides have been heard in past editions of SWC, it's not often an actual pirate operator steps forward to comment.

In a letter from the operator, he writes, "Radio USA was first heard on February 26, 1983 on 7380 kHz with a fairly disorganized broadcast. Although most listeners seemed to like our format of mainly music with live announcements, we weren't satisfied. By the end of 1983, we were heard on 24 different widely-heard broadcasts on 41 and 20m SSB. Unfortunately, our transmitter broke down after our last broadcast on February 5, 1984. We shall soon return to the air, possibly before the time you read this."



Although pirate radio is a fairly common discussion topic in SW bulletins (such as FRENIX), the operator's viewpoints are very rarely ever published. I have been the main operator and program director of Radio USA for @ 1 1/2 years and I hope that I can help clear up some of the issues most argued upon.

Many people believe that free radio stations are a cause of unnecessary interference to rare catches and are a general annoyance. Free Radio stations do not intentionally cause interference to rare catches or any other legitimate broadcasts. Interference to these stations is usually caused by enemy governments or degenerate AROs using modified equipment (Jamming is quite common in the ham bands). The only times that pirates have interfered with other broadcasts in the past several years (known to this author) were: The Crystal Ship accidentally putting harmonics all over the 41 metre band in Oct. 82; they had their transmitter fixed immediately, and KPRC-1616 sometimes puts a light het on The Caribbean Beacon-1610. Intentional jammers and the like are not recognized in the free radio movement.

The more rationally-thinking DXers will recognize the stations themselves as being harmless, but will ask "What about the question of frequency allocation?" Most pirates operate in the following frequency ranges: 1610-1630 khz, 6200-6300 khz, 7350-7450 khz and to a lesser extent around 15,050 khz. The frequency ranges are, for the most part, lacking "legitimate" broadcast activity, and since the main objective of a station is to be heard, one obviously isn't going to try for QRM on the signal.

Another point is the amount of power being dealt with. Once Radio USA accidentally strayed into the schedule of Kol Israel-7410 khz and Voila! RU was no longer audible on this frequency. To illustrate this point further, one of VOA's Greenville transmitters puts out more power in 1 second of transmission than Radio USA could put out in 1 hour and 40 minutes; and RU is one of the higher powered shortwave free radio stations!

Lastly, free radio stations offer a very wide variety of programming to suit any taste. If I didn't actually believe this, I wouldn't have wasted my time writing this article. Give some of the more professional pirates a try; you won't be sorry!!


Mr. Blue Sky &
The Staff Of Radio
USA

Savor what's left of the summer. Until next month, 73s-





Pappas on Programming

NICK PAPPAS
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RADIO DURING CRISIS: A historical perspective of the role of three broadcasting services during the 1981 Polish Crisis.

"Clean your house or we'll clean it for you" was the gist of the message Soviet leaders were conveying to the Polish government when Soviet troops massed on the Polish border. In December, 1981, invasion of Poland seemed imminent. Polish workers had taken to the streets in protest of the imposition of martial law, government censorship policies, and the banning of the trade union Solidarity. Revolution was in the air.

Government censorship policies had severely curtailed the flow of information throughout Polish society. Polska Radio was supplying the public with the government's version of events, while word of mouth, printed leaflets, or an occasional clandestine radio station (most notably Radio Solidarity, first referred to in FRENEX LN-22 January, 1981) transmitted revolutionary news and views. Amidst this setting of contradictory and often confusing information, the greatest impact upon those seeking alternative news sources may have been made by three different foreign services: The British Broadcasting Corporation, The Voice of America, and Radio Free Europe.

The BBC played a bilateral role in the presentation of Polish events in December, 1981. As tensions increased on Gdansk and Warsaw, the BBC's Monitoring Service brought news disseminated by the "official" Polish radio service to the world.

No less important was the task of the BBC's 42 year old Polish Service. According to BBC spokesman, Christopher Pszenicki, the Polish Service had three distinct duties: the dissemination of accurate information concerning events in Poland to the Polish people; to defien and explain British reactions, both governmental and popular, to the current situation; and to defend the British reactions, both governmental and popular, to the current situation; and to defend the British "system of values", i.e., the West is democratic, pluralistic, etc.

Voice of America spokesman, Terry Catherman, described the VOA's role as being similar to that of the BBC. As mandated in the VOA charter, the functions of the VOA are to present an accurate portrayal of news events, to report official U.S. administrative reaction and responses to events, and to discuss "American thought" through a review of the American press and public opinion. In response to events in Poland, VOA widened its news coverage to that area of the world.

It is interesting to note that, while VOA estimates its Polish audience to number approximately 10 million listeners nightly, studies have revealed that VOA news audiences double within crisis areas.

William Buehl of Radio Free Europe described RFE in a different light. Buehl referred to RFE as a "Surrogate national radio service," filling in the information gaps left by the Polish government service. Furthermore, RFE established a special "radio bridge" to Poland, whereby Poles living in the West could relay messages to their families living in Poland via RFE. RFE listenership in Poland at this time was estimated at approximately 17 million Poles weekly.

When confronted with conflicting information, who do you believe? With the imposition of martial law, one would suspect the Polish government lost a great deal of credibility in the eyes of the Polish people and the world. If audience size is an indication of credibility, then it would seem the information presented by the three services discussed above was believed and indeed, may have been the Polish people's primary news source. Perhaps it was even more than that. Perhaps, by hearing supportive voices from so many miles away, the Polish people realized they were not alone in their struggle for truth and freedom.

NOTE: Source for interview portions: ABC News Nightline - 12/15/81



AUGUST 1984

Listeners Notebook

GLENN HAUSER, Box 6287, Knoxville, TN 37914

Editor Notes: This month, Listener's Notebook is being brought to you by Terry A. Ward; 2202 Oxford Lane; Cedar Falls, IA 50613. Remember the BBC-WMS (BBC World Monitoring Service) items shown below are copyrighted and their source must be listed. Also, look under Papua New Guinea for an interesting set of listings from the New Zealand DX Times. Finally, a special thanks is due Tony Jones for a superb bit of work in getting Bolivian information to us.

Afghanistan Clandestine watchers may be interested to learn that the "Voice of the United Muslim Fighters of Afghanistan" which broadcasts material hostile to the government of Afghanistan is currently being heard from 1500 - 1600 UTC on 11630 kHz. The station's schedule announcements do not agree with the above noted broadcast times. Their announced schedule is from 0100 - 0155 UTC on 15460 and 9810 kHz and from 1430 - 1525 UTC on 15305 and 9710 kHz. (BBC-WMS July 19, 1984).

Afghanistan The adventures of an anti-Iranian and anti-American station presumed to be using the facilities of Radio Afghanistan (and hence probably Soviet inspired) is detailed under the reports for the Iranian station "Radio Iran Toilers" below.

Bolivia The 'El Diario' newspaper quoted the Director of the state-owned Radio Illimani saying that from August onwards Radio Illimani would begin broadcasting on a round-the-clock schedule. Radio Illimani currently operates on 6025, 4945 and 1020 kHz from 1000 - 0400 UTC. (BBC-WMS Aug 2, 1984).

Bolivia Tony Jones has forwarded an excellent listing of material on Bolivian shortwave stations. Shown below is this excellent compilation complete with notes, comments and schedules:

The following list of Bolivian stations has been compiled from actual monitoring and the schedules are for Monday - Saturday, unless otherwise stated. The majority of Sunday schedules are different and will require further monitoring.

Notes: All frequencies have been rounded off to the nearest whole number; actual frequencies may be

slightly different from those listed.

Frequency	Station and Notes
3310	R. San Miguel (Riberalta) 1200-? and 2200-0230 (Saturday 2200 - 0300)
3340	R. Viloco (Viloco) 0930-? and ?-0200 (Saturday and Sunday programming ends at times varying between 0230 and 0345, though usually near 0245).
3349	R. 27 de Diciembre (Villa Montes) 2200 - 0200 v.
3370	R. Florida (Samaipata) 1200-1800 & 2100-0200.
3380	R. Cumbre (Tanza) 1030-1300; 1500-1700; 2100-0330.
3390	R. Camargo (Camargo) 2230 - 0200 v.
3480v.	R. Padilla (Padilla) 2300v - 0300 (Sat. 2300-0200)
3885	R. Libertad (Entre Rios) 2300 - 0115 irregular
4196	Unidentified 2300 - 0200.
4420	R. Reyes (Reyes) 1530-1800 v. and 2315-0315
4458	R. La Voz del Tropico (Villa Tunari) 1000-1400 and 2100 - 0200.
4472	R. Movima (Santa Ana de Yacuma) 1100-1900v and 2200 - 0300 v.
4637	Unidentified (possibly R. 23 de Marzo) 1400-2000 v.
4682	R. Paititi (Guayaramerin) 1045-1700v & 2145-0100
4697	R. Riberalta (Riberalta) 1100 - 0330 v.
4719	R. Abaroa (Riberalta) 1100 - 0400 v.
4730	R. Huanay (Huanay ??) 1000-1600 and 1800-2200 (Monday - Saturday only has no Sunday broadcasts). Formerly had evening broadcast 2230 - 0300 (approx.) but this transmission has now been dropped.
4740	R. Mamore (Guayaramerin) 1045-1700v. & 2145-0100.
4775	R. Los Andes (Tarija) 1045 - 2200 + (severe DRM after 2200)
4785	R. Ballivian (San Borja) 1200 - 1700.
4797	R. Nueva America (La Paz) 1000 - 1310 and 2200 -

0400. Also heard irregularly at different times during local afternoons. Sunday: 1030 - 2245.
- 4803v R. Santa Ana (Santa Ana de Yacuma) 1100 - 1800 v. and 2130 v. - 0200 v.
- 4815 v. R. Nacional (La Paz) believe active but co-channel interference is to great to be able to confirm this.
- 4827v R. Grigota (Santa Cruz de la Sierra) 1530 - 1830 v. and 2200 v - 0030.
- 4845 R. Fides (La Paz) 0900 - 0300 (Sun: 1230-0230)
- 4876 R. La Cruz del Sur (La Paz) 0950 - 1300 (Sunday until 1400); 1500 - 1700 (Mon-Sat); 2200 - 0100 (Mon - Fri).
- 4886 R. Sararenda (Camiri) 1215 v. - 1815 v.
- 4938 v. R. Norte (Montero) 1115 - 1245; 1630 - 1800; 2200 - 0300 (Sunday: 1100/1200 v. - 0200).
- 4945 R. Illimani (La Paz) 0900 - 0400 (Sun: 0900 - 0300)
- 4965 R. Juan XXIII (San Ignacio de Velasco) 1000 - 1330 and 2000 - 0030 (Sunday: 1100 - 1700).
- 4980 R. Batallon Topater (Oruro) signal only becomes audible at 1030 when the Venezuelan fades, so sign-on is presumed to be the same as in earlier years (i. e. *1000). Sunday sign-on believed to be 1100, as it usually fades-in mid-program between 1120 and 1140. Weekday sign off is 0400. Sunday programming ends much earlier, although exact time is not known due to interference.
- 4990 R. Beni (Magdalena) heard between 1400 and 1830; too much QRM to determine exact schedule.
- 4991 R. Animas (Chocaya) 1030 - 1800 and 2100 - 0400 (Sunday: 1200 - 2200).
- 5030 R. Cuarto Centenario (Tupiza) apparently inactive.
- 5077 v. R. Ichilo (Villa Busch) 1030 - 1300; 1500 - 0100 v. (Monday-Friday). Saturday schedule appears to be divided into three parts, though adverse reception conditions make it extremely difficult to confirm the exact times. Sunday: 1030 - 0030.
- 5159 R. Galaxia (Guayaramerin) 1130 - ?
- 5175 Unidentified: 1600 - 1800 v.

- 5450 v. R. Machupo (San Ramon de la Ribera) 2315 - 0145 v.; irregular.
- 5505 R. Dos de Febrero (Rurrenabaque) (5020 n.) 2130 - 0300 (Sunday: 230 - 0200).
- 5581 R. San Jose (San Jose de Chiquitos) 1215 - 1700 and 2100 - 0200 (Sunday: 2330 - 0200)
- 5955 R. Pio Doce (Siglo Veinte) 0900 - 2100 + (later reception not possible).
- 5965 R. Nacional (Huanuni) *0930 (Sunday: *1100); 0200* - not known if split-schedule.
- 5975 v. R. Nacional (Cochabamba) 1000 - 1600.
- 5995 R. Loyola (Sucre) apparently inactive.
- 6025 R. Illimani (La Paz) 0900 - 0400 (Sun: 0900-0300)
- 6069 R. El Condor (Oruro) 1000 - 2030 (Mon-Sat); Sunday: 1100 - 2230 irregular (rarely!)
- 6082 R. 21 de Diciembre (Catavi) irregular (only heard on about five occasions in several months!)
- 6106 R. Panaamericana (La Paz) 1030 - 0030 (Mon-Fri); 0200v - 0400 (Tues-Sat); 1030 - 2400 (Sat); 1100 - 2200 (Sun)
- 6137 R. Santa Cruz - inactive.
- 6146 R. Luis de Fuentes (Tarija) 1500 - 2100+ (reception not possible after 2100); Sunday: 1300 - 1700.
- 6155 R. Fides (La Paz) 0900 (Sunday: 1230) - 1700; 2220 - 0300 (Sunday: 2220 - 0230)
- 6175 R. Indoamerica (Fotosi) believe active but co-channel interference is too great to be able to confirm this.
- 7400 v. R. Carlos Quito (Betanzos) 1000 - 1500 (Sunday: 1100 - 1500); 2230 - 0300 (Sunday 2230 - 0230)
- 9716 R. La Plata (Sucre) 130v - 1800.

Cambodia The BBC World Monitoring Services reports the latest schedule of the "Voice of the Kampuchean People" from Phnom-Penh, Cambodia. The English language portion of their schedule is shown below (BBC-WMS Aug 2, 1984):

UTC	target	frequency
0000-0015	South East Asia	11938,9695
1200-1215	South East Asia	11938,9695

Chad "Radio Chad" ("Radio Bardai")

This radio station which broadcasts material hostile to the government of Chad in Ndjamaena from a transmitter site believed to be in Libya, continues to broadcast from 1800 - 2030 UTC on 6009 kHz. Although it still claims to broadcast from Bardai, the radio now generally announces itself as "Radio Chad, the voice of the liberation", rather than "Radio Bardai." Programs are in Sarah, Korah, Arabic and French. The French segment is broadcast in the latter half-hour of the transmission. (BBC-WMS Aug 2, 1984).

Cuba The relay of All-Union Radio's domestic service programs from Moscow on 4765 kHz from a transmitter site in Cuba has not been observed since mid-July (BBC-WMS Aug 2, 1984).

Denmark The BBC World Monitoring Services (BBC-WMS July 19, 1984) reports the latest Radio Denmark schedule for external services to be:

UTC	target	kHz
0000-0052	N. America (west)	15165
1000-1052	S. Europe & W. Africa	15165
1100-1130	Greenland/Pacific	11960
1200-1252	Middle East/India	11720
1300-1352	Mediterranean/Africa	15165
1400-1452	N. America/Caribbean	15165
1500-1552	S. Asia/Australia	15165
1600-1652	N. America (west)	15165
1730-1830	Greenland/Pacific	15165
1900-1952	Middle-East/E. Africa	15165
2000-2052	N. America (east)	11760
2100-2115	Europe/N. Africa	11805 excl Sat/Sun
2100-2152	Europe/N. Africa	11805 Sat/Sun
2130-2145	Greenland/Pacific	11805

2200-2252 S. America/Caribbean 15165

2300-2352 Far East/Australia 15165

Note: All transmissions in Danish and during Summer Time in Denmark all transmissions will be heard one hour earlier than shown.

Ecuador The New Zealand DX Times of July, 1984 reports that HCJB is still operating on 26020 with 100 watts and a report from John Stanley, Director of Engineering indicates that the station will continue to operate through the low sunspot activity, and the predictions are that there will still be a few hours of useful service on this frequency. (from Arthur Cushen's Shortwave Review column).

France The latest schedule from "Radio France International" from Paris has been printed in the BBC World Monitoring Service's publication. The portion of the schedule of interest to listeners in North America is listed below (BBC-WMS Aug 2, 1984).

UTC	target (language)	Frequency
0030 - 0130	the Americas (SP)	15440, 15435, 15180, 11995, 11965, 11955, 11670, 9790, 9535, 6140, 6055
0130 - 0200	the Americas (FR)	15440, 15435, 15180, 11995, 11965, 11955, 11670, 9790, 9535, 6140, 6055
0300 - 0315	Middle East, Africa and the Americas (FR)	15440, 15435, 15180, 11670, 9790, 9550, 9545, 7135
0315 - 0330	Middle East, Africa and the Americas (EE)	15440, 15435, 15180, 11670, 9790, 9550, 9545, 7135
0330 - 0345	Middle East, Africa and the Americas (FR)	15440, 15435, 15180, 11670, 9790, 9550, 9545, 7135
0345 - 0400	Middle East, Africa and the Americas (EE)	15440, 15435, 15180, 11670, 9790, 9550, 9545, 7135
0415 - 0430	Middle East and Africa (EE)	15155, 11995, 11875, 11705, 9790, 9550, 7135
0445 - 0500	Middle East and Africa (EE)	15155, 11995, 11875, 11705, 9790, 9550, 7135

1045 - 1130	Europe, North Africa, Africa and the Americas (FR)	25820, 21685, 21645, 21620, 21580, 17850, 17720, 17620, 15435, 15425, 15315, 15300, 15195, 15155, 11845, 11810, 11770, 9790, 6175
1130 - 1200	Europe, North Africa, Africa and the Americas (FR)	25820, 21685, 21645, 21620, 21580, 17850, 17720, 17620, 15435, 15425, 15315, 15300, 15195, 15155, 11845, 11810, 11770, 9790, 6175
1200 - 1245	Europe, North Africa, Africa and the Americas (FR)	25820, 21685, 21645, 21620, 21580, 17850, 17720, 17620, 15435, 15425, 15315, 15300, 15195, 15155, 11845, 11810, 11770, 9790, 6175
1245 - 1315	Europe, North Africa, Africa and the Americas (FR)	25820, 21685, 21645, 21620, 21580, 17850, 17720, 17620, 15425, 15315, 15300, 11845, 6175
1315 - 1400	Europe, North Africa, Africa and the Americas (FR)	25820, 21685, 21645, 21620, 21580, 17850, 17720, 17620, 15435, 15425, 15315, 15300, 15195, 15155, 15140, 11845, 11770, 6175
1400 - 1500	Europe, North Africa, Africa and the Americas (FR)	25820, 21685, 21645, 21620, 21580, 17850, 17720, 17620, 15435, 15425, 15315, 15300, 15190, 15155, 11845, 11770, 6175
1500 - 1530	Europe, North Africa, Africa and the Americas (FR)	21685, 21645, 21620, 21580, 17850, 17720, 17620, 15425, 15315, 15300, 15190, 15155, 11845, 11770, 6175
1530 - 1605	Europe, North Africa, Africa and the Americas (FR)	21685, 21645, 21620, 21580, 17850, 17720, 17620, 15425, 15315, 15300, 15190, 15155, 11845, 11770, 6175

1605 - 1700	Europe, Middle East, North Africa and Africa (EE)	21685, 17795, 17620, 15315, 11705, 6175
2200 - 2300	the Americas (FR)	15435, 15200, 11995, 11965, 11955, 9790
2330 - 0030	the Americas and South East Asia (FR)	15440, 15435, 15180, 11995, 11965, 11955, 11695, 11670, 9790, 9605

Greece The latest schedule from "The Voice of Greece" from Athens has been printed in the BBC World Monitoring Service's publication. The portion of the schedule of interest to listeners in North America is listed below (BBC-WMS Aug 2, 1984).

UTC	target (language)	Frequency
0000 - 0150	N. America (east) (GK)	11645, 9865, 9420
0000 NEWS		
0130 NEWS	in English	
0145 NEWS		
0200 - 0350	N. America (west) (GK)	11645, 9865, 9420
0200 NEWS		
0340 NEWS	in English	
0940	Australia (EE) (NEWS)	17565, 15635
1040	Japan (EE) (NEWS)	17565, 15635
1200 - 1250	North America (GK)	15635, 11645, 9815
1200 NEWS		
1235 NEWS	in English	
1500 - 1550	N. America (GK)	15635, 11645, 9815
1505 NEWS		
1540 NEWS	in English	
1840	S. Africa (EE) (NEWS)	17565, 15635, 11645
1920 - 1930	Europe (EE)	15635, 11645, 9420
2335 - 2345	S. America (EE) (NEWS)	11645, 9865

Iran Proving that our enemies are not necessarily our friends, the "Radio Iran Toilers" continues to broadcast both anti-Iranian and anti-American programs. The station supports the Iranian Tudeh Party and the Fadaiyan-e Khaiq-e Iran. The station operates on 6230 kHz from 1600 - 1630 UTC with this program repeated at 1630 - 1700 UTC and on 0330 - 0400 UTC (the following day). This station is believed to operate from the same location as Radio Afghanistan's Second Programme for Afghan minority-language listeners. The Radio

Afghanistan broadcast is observed to end abruptly on 6230 kHz at 1558 UTC. A short period of tone modulation follows and is succeeded at 1600 UTC by the "Radio Iran Toilers" program. (BBC-WMS July 19, 1984).

Iran The BBC World Monitoring Service lists the Persian language schedule for the "Voice of the Mojahedin-e Khalq" as below. Their Persian name is "Seday-e Mojahedin-e Khalq-e Irana" and they broadcast material hostile to Khomeini and his followers (BBC-WMS July 19, 1984).

UTC	Frequency
0230-0330	6655
1100-1300	6655
1325-1530	6655, 4198, 3498
1725-1930	6655

This station may be related to the "Voice of Iranian Kurdistan."

Israel The newspaper "Ha'olam Haze" reported on the 25th of July that a group of Middle Eastern businessmen was secretly developing plans to set up a radio station which would be operated from a ship off the coast near Tel Aviv. The businessmen, including two famous restaurant owners, had assumed that whenever an Israeli government it would be sympathetic to their scheme. The name for the proposed station was the "Voice of the Orient." It would extensively utilize so-called singers (i.e. local folk-singers who record and sell their own music on cassettes). (BBC-WMS Aug 2, 1984).

Lebanon On July 11th, the Kuwaiti news agency KUNA reported Lebanese security forces as saying that fire had damaged the premises of the Government-run Beirut radio. (Radio Lebanon). No word on extent of the damages. (BBC-WMS July 19, 1984).

Lebanon "Voice of the Real Southerners"

The Beirut-based English-language newspaper "The Daily Star" reported in the 25th of July edition that a new radio station would be inaugurated in the near future. Quoting the West Beirut International News Agency as saying that the radio station would be called the "Voice of the Real Southerners" and would broadcast from the al-Qulay'ah area. (BBC-WMS Aug 2, 1984).

Libya The radio station, "Voice of the Libyan People" continues to broadcast material hostile to the government of Libya and President Gadhafi. It continues to be heard on 15040 kHz at times between 1800 and 0330 UTC. This has been

heard in parallel with an 11 MHz chnnes (11695 and 11685 kHz). (BBC-WMS July 19, 1984).

Libya The "Voice of the Libyan People" announces that it broadcasts at 0330 UTC on a frequency between 10000 kHz and 12000 kHz, at 1700 UTC on a frequency between 10855 kHz and 12235 kHz, and at 1930 UTC between 11300 and 12200 kHz ... Happy hunting! (BBC-WMS July 19, 1984).

Mexico The BBC World Monitoring Service reports that XERMX, Radio Mexico International transmits from 2000 - 0500 UTC on 17765, 15430, and 9705 kHz. It also noted that XERMX is supposedly broadcasting from 1300 - 1700 UTC on 11770 kHz and 5985 kHz. This transmission has so far not been monitored. (BBC-WMS Aug 2, 1984).

New Zealand RNZ Shortwave Service has made a frequency change, now operates 0515 - 0745 on 9585; 0800 - 1215 9620 and 9520 has been deleted 0515-1215 and replaced by these two new frequencies (New Zealand DX Times).

Nicaragua R. Sandino 6200 confirms reception with a letter from Maria Eugenia Urroz, International Relations. The address is:
Radio Sandino
Voz Oficial del FSLN
Paseo Tiscapa
Managua, Nicaragua.
Signal noted on 6200 around 1100 UTC. (Arthur Cushen's Shortwave Review in New Zealand DX Times July 1984).

Nigeria A report from Makurdi by the Nigerian news agency NAN on July 24th stated that transmissions from Radio Benue had been intermittent for some weeks because its main transmitter was out of order. Most of the transmitter's faulty parts could not be replaced because of a lack of funds, as well as difficulties in procuring foreign exchange and letters of credit. According to the station's General Manager, Radio Benue had been relying on money from advertising to run the organization, but earnings had dropped by about 80 percent because of the oil-induced economic slump. (BBC-WMS Aug 2, 1984).

Papua New Guinea The New Zealand DX Times recently (July 1984) reported on a "bandwatch special" for Papua New Guinea stations. Their listing is shown below:
During June, one of their members (Cecil Symmes) checked Papua New Guinea on 17 days between 1900 - 1930 UTC noting only stations heard and identified from his knowledge of their type of broadcast. Covered were the 120, 90, 75 and 60 meter bands. Signal quality was usually poor to very poor, but these stations were there to be logged.

Freq.	Station	Days heard
2340	W. New Britain	12

2376	Chimbu	6
2410	Enga	3
2428	Manus	12
2450	W. Highlands	3
2468	Popondetta	7
3205	W. Sepik	5
3220	Morobe	10
3245	Gulf	10
3260	Madang	10
3275	S. Highlands	6
3290	Central	8
3305	Western	6
3322.5	N. Solomons	12
3335	E. Sepik	15
3360	Milne Bay	8
3383	E. New Britain	14
3395	E. Highlands	16
3905	New Ireland	10
3925	P. Moresby	5

Philippines The latest schedule from Far Eastern Broadcasting Station has been listed in the BBC World Monitoring Service (BBC-WMS July 19, 1984). The English language schedule for this religious broadcaster is shown below:

UTC	target/notes	Frequency
0000-0500	India, South East Asia and Papua New Guinea	21475, 15450, 6030
0030-0040	NEWS	
0130-0140	NEWS	
0230-0240	NEWS	
0330-0340	NEWS (not Sun.)	
0430-0440	NEWS (not Sat/Sun)	
0500-1000	Australia, New Zealand, Papua New Guinea	21475, 11890
0830-0840	NEWS	
0930-0940	NEWS	
1245-1600	India and S. East Asia	15450
1330-1340	NEWS	
1430-1440	NEWS	
2300-2400	Malaysia, Philippines and Papua New Guinea	21475, 15450, 6030
2330-2340	NEWS	

Portugal Radiodifusao Portuguesa reported that engineers from the CTT (the Portuguese equivalent of the FCC) silenced a private radio station operating from Montijo since mid-May. (BBC -

WMS July 19, 1984).

Solomon Islands Martin Hadlow, Head of Development and Training at SIEC advises that he will be moving to a post with the Australian Broadcasting Commission in Australia in September and that all reception reports should now be sent to:

The Chief Engineer
Solomon Islands Broadcasting Corporation
Box 654
Honiara,
Solomon Islands

Switzerland The latest schedule from Swiss Radio International is included in the BBC World Monitoring Service publication of July 19, 1984 (BBC_WMS July 19, 1984) and is shown below.

UTC	target/language	Frequency
0145-0215	North/Central America (EE)	12035, 9885, 9755, 6135
0215-0245	North/Central America (SP)	12035, 9885, 9755, 6135
0245-0315	North/Central America (GM)	12035, 9885, 9755, 6135
0315-0345	North/Central America (FR)	12035, 9885, 9755, 6135
0345-0415	North/Central America (IT)	12035, 9885, 9755, 6135
0430-0500	North America-west (EE)	12035, 9725
0500-0530	North America-west (IT)	12035, 9725
0530-0600	North America-west (GM)	12035, 9725
0600-0630	North America-west (FR)	12035, 9725
0700-0730	Australasia (EE)	21695, 21520, 15305, 9560, 9535, 6165, 3985
0900-0930	Australasia (EE)	21695, 21520, 15305, 9560
1200-1230	Europe (EE)	12030, 9535, 6165, 3985
1315-1345	North/Central America (EE)	21520, 17830, 17785, 17765, 15570, 12030, 9535, 6165, 3985
1445-1515	North/Central America (EE)	21520, 17830, 17785, 17765, 15570, 12030, 9535, 6165, 3985
1530-1600	Europe/Middle East (EE)	17830, 15430, 11805, 9535, 6165, 3985

1815-1845 Europe/Africa (EE) 17850, 15125, 12035,
9885, 9535, 6165, 3985

2145-2215 Europe/Africa/S. America (EE) 15570, 12035, 11910,
9885, 9535, 6165, 3985

Switzerland. An interesting note from the BBC World Broadcasting Information Publication is that Swiss Radio International (Berne) broadcasts two programs in the Esperanto language. The schedule is shown below (BBC-WMS July 19, 1984):

UTC	target	Frequency
1800-1815	Europe (Mon, Th, Sat only)	9535, 6165, 3985
2030-2045	Europe (Mon, Th, Sat only)	9535, 6165, 3985

Tanzania Radio Tanzania has reported that work is underway to replace obsolete and aging radio transmission facilities (one transmitter is reported to date from the mid-1950's). Expected at the end of the year is a new 250-kW transmitter. There is not yet an expected date for completion of the project. (BBC-WMS July 19, 1984).

Turkey The latest schedule from "The Voice of Turkey" from Ankara has been printed in the BBC World Monitoring Service's publication. The portion of the schedule of interest to listeners in North America is listed below (BBC-WMS Aug 2, 1984).

UTC	target (language)	Frequency
2300 - 0300	N. America (east) (TK)	17815, 11755, 9515
0355 - 0900	N. America (west) (TK)	15220, 11820, 11770
0300 - 0400	N. America (east) (EE)	17815, 11755
1230 - 1300	South West Asia (EE)	17885
2000 - 2100	Europe (EE)	7215
2200-2300	N. America (east) (EE)	17815, 11965, 11755, 9765

USA In the hot rumor department, David Alpert reports overhearing at the Louisiana Association of Broadcasters meeting an interesting rumor concerning WRNO. WRNO plans to add a second transmitter devoted entirely to brokered religious programming. (ed: Given the expenses involved in international broadcasting and the wealth of the new religious right, it seems a lausible rumor) [Not quite up to the National Enquirer's standards of rumor, but interesting nonetheless...]

QSL REPORTS

SAM BARTO

47 Prospect Place, Bristol, CT. 06010 USA

ALGERIA: Radio Algeria 17745 f/d "Tapestry" cd. in 70 ds. for 2 IRCs. (Name?). cd. in 65 ds. for 2 IRCs. (Tow-AL). same in 76 ds. w/ program schedule. (Richards-CT).

ARGENTINA: RAE 11710 f/d "Logo" cd. w/ pennant in 37 ds. for 2 IRCs. (Hastie-TX). 15345 cd. w/ pennant in 32 ds. (Eckert-PA).

ARMENIAN SSR: Radio Yerevan 17870 f/d cd. in 61 ds. w/ pennant. (Laskowski-IN). Radio Moscow 11720 f/d "Ostankino TV Tower" cd. in 38 ds. (Dillon-DC).

ASCENSION ISLAND: BBC 6005 f/d personal ltr. in 93 ds. w/ photos. v/s M.R. Watkins, Asst. Resident Engineer. (Cassidy-IN). 11750 personal ltr. in 60 ds. (Eckert-PA).

ASIATIC RUSSIA: Radio Moscow 12060 via Kenga f/d "Dzerzhynsky Square" cd. in 32 ds. (Dillon-DC). 21530 via Irkutsk f/d "Bolshoi Theatre" cd. in 42 ds. (Talbot-ALB). 7300 via Yuzhno-Sakhalinsk f/d cd. in 55 ds. (Talbot). 7260 cd. in 37 ds. (Talbot).

AUSTRALIA: Radio Australia 11720 f/d "Flowers" cd. in 19 ds. (Witherington-FL).

AUSTRIA: ORF 5945 f/d "Phantasmagorical Landscape Art" cd. w/ sticker in 47 ds. (Dillon-DC). f/d cd. in 55 ds. (Blanchette-FL). 9770, 5945, 11665 and 15225 f/d "Studio" cd. in 60 ds. (Levison-PA).

BELGIUM: BRT 9925 f/d "Waterloo" cd. in 52 ds. (Blanchette-FL). f/d "Rubens" cd. in 22 ds. (Dillon). 17610 f/d "Panorama du Heysel" cd. in 45 ds. (Dillon). 11620 f/d "Court of Justice" cd. in 23 ds. (Dillon). 9880 p/d ltr. in 36 ds. for 1 IRC. (Richards-CT).

BONAIRE: Trans World Radio 9535 f/d cd. in 53 ds. (Talbot). Radio Netherlands 6165 f/d cd. w/ pennant in 45 ds. (Talbot-ALB).

BRASIL: Radio Clube de Varginha 3245 p/d ltr. in 2 mo. for a PT rpt. and 1 IRC. (Gliksman-IL). Radio Por Um Mundo Melhor 4855 cd. in 3 mo. for a PT rpt. and 1 IRC. v/s Marcia Regina. (Gliksman-IL). same in 3 mo. for a PT rpt. (Field-MI). postcard in 14 ds. for a PT rpt. and 1 IRC. (Schmitz-FRG). Radio Record 15135 f/d ltr. w/ sticker in 164 ds. for a PT rpt. and 1 IRC. v/s Selma Leite. (Schmitz-FRG). Radio Universo 6020 f/d ltr. w/ stickers in 210 ds. for a PT rpt. and ms. v/s Luiz Andreu Rubio, Director. (Wilkins-CO). same in 129 ds. for a PT rpt. and ms. (Forsgren-WI).

Radio Jornal do Brasil 4875 f/d folder cd. in 17 ds. for 1 IRC. (Schmitz-FRG).

BULGARIA: Radio Sofia f/d "Narodno Sobranie" cd. in 35 ds. (Dillon-DC).

BURMA: BBS 4725 f/d "Logo" cd. in 77 ds. for 2 IRCs. (Stephany-NY).

BURUNDI: La Voix de la Revolution 3300 f/d "Radio Tower" cd. in 3 wks. for a FR rpt. and 2 IRCs. (Swaringen-NC).

BYELORUSSIAN SSR: Radio Moscow 15540 via Minsk f/d cd. in 5 wks. (Swaringen-NC).

CAMEROON: Radio Douala 4795 f/d "Map" cd. in 1 mo. for a FR rpt. (Field-MI).

CANADA: CKFX 6080 p/d cd. in 24 ds. v/s T. Rattenbury. (Davis-CO). same in 22 ds. w/ sticker. (Leite-MA). CKZU 6160 p/d cd. in 18 ds. for 3 IRCs. v/s D. Horner. (Davis-CO). RCI 9755 f/d ANARC cd. in 2 mo. v/s Richard Colgan. (Davis-CO). same in 10 wks. (Gurley-TX). 5960 same in 57 ds. for ms. (Streeter-NY). 9755 and 17820 same cd. in 88 ds. for ms. (Talbot-ALB).

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CANADA: RCI 5960 and 9755 f/d ANARC cd. in 66 ds. for ms. (D'Angelo-PA).

CHAD: Radiodiffusion Nationale Tchadienne 4904 f/d ltr. in 52 ds. for a FR rpt. and 2 IRCs. v/s Danrhet Oualbadet. (Leite-MA). same in 28 ds. for a FR rpt. and 2 IRCs. (Cones-VA). in 29 ds. for 2 IRCs. and a FR rpt. (Streeter-NY). form ltr. in 64 ds. for 2 IRCs. (D'Angelo-PA). ltr. in 27 ds. for a FR rpt. (Stephany-NY). in 28 ds. for ms. (Tow-AL). ltr. in 77 ds. (Davis-CO). Radio Moundou 5286 p/d ltr. in 45 ds. for a FR rpt. and 2 IRCs. (Cones-VA)

CLANDESTINE: Radio Antonio Maceo * 4980 via Ecos del Torbes f/d form ltr. in 9 ds. for a SP rpt. v/s Pablo Pena. (Dillon). * Radio Camilo Cienfuegos 10040 f/d cd. in 17 ds. for a SP rpt. and 3 IRCs. (Witherington-FL). f/d cd. in 2 wks. (Field-MI). 11600 f/d cd. in 15 ds. for 2 * IRCs. (Gavaras-MN). Radio Frie Sranan 6850 f/d ltr. in 90 ds. for 2 IRCs. v/s M. Nasrullah. (Stephany-NY)

COLOMBIA: La Voz del Llano 6115 f/d prepared cd. w/ sticker in 25 ds. for a SP rpt. v/s Gloria Rodriguez. (Niekamp-MN). La Voz del Guaviare

6035 f/d prepared cd. in 17 ds. for a SP rpt. and ms. v/s Guillermo Pulioo M., Gerente. (Wilkins-CO). La Voz de la Selva 6170 f/d prepared cd. in 17 ds. for a SP rpt. and ms. v/s Jairo Ernesto Paredes Guerrero, Gerente. (Wilkins-CO). Armonias del Caqueta 4915 n/d "Logo" cd. in 50 ds. for a SP rpt. and ms. v/s Padre Alvaro Serna Alzate. (Stephany-NY). same in 2 mo. for a SP rpt. (Field-MI).

COSTA RICA: Radio Columbia 4840 f/d cd. in 22 ds. for a SP rpt. and 1 IRC. (Paszkieicz-WI). 4825 n/d ltr. in 5 wks. for a SP rpt. (Field-MI).

TIPC 5055 f/d "Logo" cd. w/ sticker in 245 ds. (Talbot-ALB).

* CUBA: Berliner Rundfunk 4765 f/d cd. w/ "Cuban Relay" in 1 mo. for 1 IRC. (Craighead-KS). Radio Prague 4765 p/d cd. in 1 mo. for 2 IRCs.

Prague may of QSLed because I visited their studio last year.

CYPRUS: BBC 11760 n/d cd. (Craighead). in 62 ds. (Tow-AL).

CZECHOSLOVAKIA: Radio Prague 7345 f/d cd. in 28 ds. (Witherington-FL). 5930 f/d "Beskydy Mountains" cd. in 29 ds. (Dillon-DC). "Costumes" cd. in 19 ds. (Kacir-MI).

DJIBOUTI: Radiodiffusion Television Djibouti 4780 p/d cd. in 19 ds. for a FR rpt. and 2 IRCs. (Buer-FL). same in 12 ds. (Schmitz).

ECUADOR: HD21QA 7600 p/d "Sundial" cd. in 189 ds. w/ pennant for 1 IRC.

(Talbot). same w/ sticker in 54 ds. for a SP rpt. (Witherington-FL). 3810 same w/ pennant in 172 ds. v/s Homero Arellano L. (George-NC). Radio Bahai 4990 n/d cd. w/ ltr. in 3 mo. for a SP rpt. and 1 IRC. v/s Marcelo Quinteros M. (Gliksman-IL). Emisora Jesus del Gran Poder 5050 f/d cd. w/ pennant in 9 wks. for a SP rpt. (Valko-PA). same in 5 mo. for a SP rpt. and 1 IRC. (Gliksman-IL). in 5 mo. w/ pennant for a SP rpt. (Field-MI).



NOTES: Dave Valko of Dunlo, PA. says he hopes the DX picks up pretty soon. The QSLs however haven't been too bad. Richard Davis of Greeley, CO. and Peter Dillon of Washington D.C. say they are going to be regular contributors to the Column as long as their mailman will cooperate. Hi! William Muzyka from Woodside, N.Y. thinks his mailman has him on his blacklist. Don't worry the QSLs will increase... Sam. Thanks to Mark Warner in Australia for sending the bulletin. It is very helpful and informative... Sam. Ray Nie-kamp from Minneapolis, MN. received his first prepared card QSL from La Voz de Llanco. Thanks for the kind remarks Ray... Sam. Shawn McDaniel reports that besides attending the ANARC Convention in Toronto he will be spending a few weeks in Texas this summer. I could think of a few cooler places to be... Sam. Bill Mayer reports that he has been doing a little DXing from West Germany. Nice place to visit. Wrap your hands around a cool one for me... Sam. Steve Reinstejn says that his mailbox has seen a lot of nothing lately. It can't be that bad Steve. You have quite a few excellent QSLs in your reports! Ron Howard has just purchased the new ICOM 771A receiver. Wish I could say that!

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ENGLAND: BBC cd. in 38 ds. (Barto). VOA 7220 via Wooferston f/d "Anniversary" cd. in 27 ds. (Jones-VA).

EQUATORIAL GUINEA: Radio Nacional de Guinea Ecuatorial 4926 f/d prepared cd. in 55 ds. for a SP rpt. v/s Agustin Edli Esono Mengue, El Director. Addr: c/o Patricio Lumumba, Ap. 603, Bata-Litoral. (Gavaras-MN) same in 190 ds. for a SP rpt. and 2 IRCs. (Stephany-NY).

EUROPEAN RUSSIA: Radio Moscow 9685 via Moscow f/d cd. in 38 ds. (Dillon). 9780 via Kazan cd. in 37 ds. (Dillon). 11790 via Rvazan cd. in 27 ds. (Dillon-DC).

FRANCE: RFI 17620 f/d cd. in 28 ds. (Valero-MA).

GABON: Radio Japan 15315 n/d cd. in 28 ds. for 2 IRCs. (Foxy-VA). "Silk Dyeing" cd. in 39 ds. (Buer-FL).

GEORGIAN SSR: Radio Moscow 15305 via Tbilisi f/d cd. in 47 ds. (Cones-VA) 11805 f/d "Kalinin Park" cd. in 5 wks. (Swaringen-NC).

GERMAN DEMOCRATIC REP: Y3S 4525 n/d folder cd. in 64 ds. (Wilkins-CO).

GERMANY, FEDERAL REP: RFE/RL 15115 "Map" cd. in 12 ds. (Dillon-BC). Sudwestfunk 7265 f/d cd. in 75 ds. for 1 IRC. (Cones-VA). Deutsche Welle 21600, 17800 n/d cds. in 23 ds. (Barto-CT).

GREECE: Voice of Greece 9420 f/d cd. in 43 ds. (Dillon). VOA 7205 via Kavala f/d cd. in 16 ds. (Tow-AL).

HAITI: 4VEH 4930 f/d cd. in 199 ds. for a PR rpt. and 1 IRC. v/s Mrs. Edna Beachy. (Dillon). same in 90 ds. for 2 IRCs. (VanHorn-TX). same in 191 ds. w/ sticker for ms. (Stephany-NY). in 179 ds. (Forsgren-WI). in 222 ds. for an EG rpt. and 1 IRC. (Wilkins-CO). f/d cd. in 76 ds. (Levison-PA). f/d cd. in 4 mo. (Field-MI).

HAWAII: WWVH 15000 f/d cd. in 8 ds. (Richards-CT).

HONG KONG: Radio Hong Kong 3940 p/d "Harbour" cd. in 83 ds. for 2 IRCs. * Station was logged on a DXpedition! (Lare-MI).

HUNGARY: Radio Budapest 9835 f/d "Logo" cd. in 43 ds. (Dillon-DC).

INDIA: AIR 10335 f/d "Sacred Bull" cd. in 71 ds. (Cassidy-IN). AIR 9615 via Bombay f/d "Hotel Oberoi Towers" cd. in 21 wks. for 1 IRC. v/s H.O. Agarasa. (Gliksman-IL).

IRAN: VOIRI 9022 cd. in 69 ds. (Eckert-PA).

ISRAEL: IBA 9440 f/d cd. in 38 ds. (Dillon-DC). same in 58 ds. (Levison).

ITALY: RAI 9575 f/d cd. in 152 ds. for 2 IRCs. (Gurley-TX).

IRELAND: Radio Dublin International 6910 f/d cd. in 4 1/2 mo. (Insinger). cd. w/ ltr. in 102 ds. for 2 IRCs. v/s Anne Kelly. (Tow-AL). World Music Radio 6910 via RDI cd. in 78 ds. for 3 IRCs. (Tow-AL).

JAPAN: JJY 8000 f/d cd. in 81 ds. (Cones-VA). Radio Japan 17825 "Silk Dyeing" cd. in 17 ds. (Dillon-DC).

1931-1981



JAVA: Voice of Indonesia 11790 f/d cd. in 87 ds. for 2 IRCs. (Cones-VA).

JORDAN: HKBS 7155 personal ltr. via * JY1s award manager who confirmed my rpt. in 2 mo. Also rcvd. color photo of His Majesty (JY1). Tnx to Steve Reinstein for help on this one! (Valko-PA).

KENYA: Voice of Kenya 4915 personal ltr. in 36 ds. for 2 IRCs. v/s Ernest K. Tiam-pali. (Tow-AL).

KIRGHIZ SSR: Radio

QSL

RADIOVATICANA

Moscow 11820 via Frunze. f/d cd. in 48 ds. (Cones-VA).

KUWAIT: Radio Kuwait 11675 f/d folder cd. in 24 ds. for 2 IRCs. (Kacir-MI).

LESOTHO: LNBS 4800 f/d "National Flag" cd. in 178 ds. for 3 IRCs. (Mosman-IL). p/d cd. in 19 wks. for 1 IRC. (Gliksman-IL). cd. in 113 ds. (Laskowski-IN). same in 182 ds. for 1 IRC. (Cones-VA). in 102 ds. for 2 IRCs. (VanHorn-TX). cd. in 166 ds. for 2 IRCs. (Tow-AL). same in 137 ds. for 4 IRCs. (Hastie-TX).

LIBYA: Radio Jamahiriya 11816 cd. in 94 ds. for 2 IRCs. (Valero-MA).

LUXEMBOURG: Radio Luxembourg 6090 cd. w/ sticker in 19 ds. (Richards-CT).

MALAGASY REPUBLIC: Radio Nederland 9715 f/d cd. in 14 ds. for 2 IRCs. (Jones-OH).

MALTA: Radio Mediterraneo 6110 f/d "Map" cd. w/ sticker in 135 ds. (Sobkoviak-IL).

MAURITIUS: Mauritius Broadcasting Corporation 9710 p/d cd. in 30 ds. for a * taped rpt. and 4 IRCs. (Matthews-OH).

MONACO: Trans World Radio 11695 f/d cd. in 21 ds. for ms. (Jones-OH).

MONGOLIA: Radio Ulan Bator 12015 f/d cd. in 25 ds. for 2 IRCs. (Craighead-KS).

NAMIBIA: Radio SWA 3270 cd. in 153 ds. for 3 IRCs. (Tow-AL).

NEW ZEALAND: Radio New Zealand 15485 cd. w/ pennant in 10 ds. for 4 IRCs. (Tow-al). 11960 f/d cd. in 18 ds. for 4 IRCs. (Jones-OH).

NICARAGUA: Radio Zinica 6120 f/d prepared cd. in 48 ds. for a SP rpt. and 1 IRC. (Witherington-FL). same in 6 wks. (Field-MI).

NIGERIA: Voice of Nigeria 4770 cd. in 86 ds. (Levison-PA). 15185 via Ikorodu f/d cd. in 19 mo. (Sobkoviak-IL).

NORWAY: Radio Norway 15205 p/d "Eostume" cd. in 16 ds. w/ schedule. (Dillon-DC).

OMAN: BBC 11955 n/d cd. in 62 ds. (Tow)

PAPUA NEW GUINEA: NBC 4890 f/d cd. in 94 ds. for 1 IRC and ms. v/s Thomas Aiye. (Stephany-NY). same in 80 ds. for ms. (Eckert-PA). Radio East Sepik 3335 f/d ltr. in 258 ds. for ms. v/s Paul Kafafi, Asst. Station Manager. (George-NC).

PERU: Radio Tacna 9505 f/d form ltr. in 39 ds. for a SP rpt. and ms. v/s Alfonso Caceres C., Sub-Gerente. (Wilkins-CO).



Warsaw - Old Town Market Square

RADIO POLONIA

ZIMBABWE BROADCASTING CORPORATION

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VERIFICATION SIGNERS: Radio Nacional Tchadienne 4904.5 Danrhet Oualbadet. Radio Los Andes 5030 Pablo Cardenas Valverde, Director-Gerente. Radio Nacional LRA36 15474 Carlos Alberto Gherardo Morrone, Radio Atlantida 4790 Juanita Rojas M. Radio Amazonas 5060 Erwin Rengifo Rios, Gerente. RRI Surabaya 3975 Agus Widjaja. Radio Bata 4926 Agustin Edu Esono. Voice of Kenya 4915 Simon Ndungu. RRI Djakarta 4774 Anwar Sir-egar, Station Manager. Radio Dublin 6910 Mary Reynolds. Radio Ichilo 5076 Marcelo Huanca Dorado, Program Dept.

Radio Nacional de Chile 15150 Fernando Cuevas M., Chief of the Commercial Dept. Radio Fides 4845 Jose Maria Lop. Emisora Reyes 4420 Jose Antonio Gomes Guzman, Director. Radio Nor Peruana 9655 Augusto Roca Garcia. Radio Dos de Febrero 5505 Roger Arze Salmon, Director. Radio Clube Paranaense 11935 Urbirantan Lustosa, Gerente. Radio Difusora Acreana 4880 Sales Junior, Jefe. Radio San Carlos 2420 Lilian Rossi. Radio Tarma 4775 Mario Monteverde, Gerente Administrador. Radio America 3240 Samuel Victor Vega Espajo.

PERU: Radio Libertad de Truillo 4910 n/d ltr. in 30 ds. for a SP rpt. (Field-MI). Radio Vision 5360 f/d cd. in 5 wks. for a SP rpt. v/s Carlos Campos Rivera, Gerente. (Field-MI). Radio Atlantida 4790 f/d cd. w/ ltr. in 88 ds. for a SP rpt. and 1 IRC. v/s Ivan Tenorio Matute, Administrator. Sticker rcvd. (Cones-VA). Radio del Pacifico 4975 f/d ltr. in 7 wks. for a SP rpt. and ms. (Craighead-KS).

PHILIPPINES: Radio Veritas Asia 15195 f/d cd. in 38 ds. for 1 IRC. v/s Miss Cleofe R. Labindao, Audience Relations Officer. (Talbot-ALB).

POLAND: Radio Polonia 7270 f/d cd. in 97 ds. (Levison-PA). 15120 cd. in 72 ds. for 1 IRC. (Taw-AL).

PORTUGAL: Radio Renascenca 11730 f/d "Antenna" cd. in 3 mo. for 2 IRCs. (Hosmer-MI). Radio Portugal 11925 f/d "Tapestry" cd. in 27 ds. (Dillon-DC). 6060 cd. in 64 ds. (Levison-PA). Deutsche Welle 17765 via Sines n/d cd. in 23 ds. (Barto-CT). Adventist World Radio 9670 via Sines f/d cd. in 23 ds. for 2 IRCs. v/s Jennifer Robertson. Use German address for rpts. (Stephany-NY).

ROMANIA: Radio Bucharest 9550 f/d "Prince Drago" cd. w/ pennant in 76 ds. (Gurley-TX).

RWANDA: Deutsche Welle 7225 f/d cd. in 71 ds. (Forsgren-WI). 15410 n/d cd. in 23 ds. (Barto-CT).

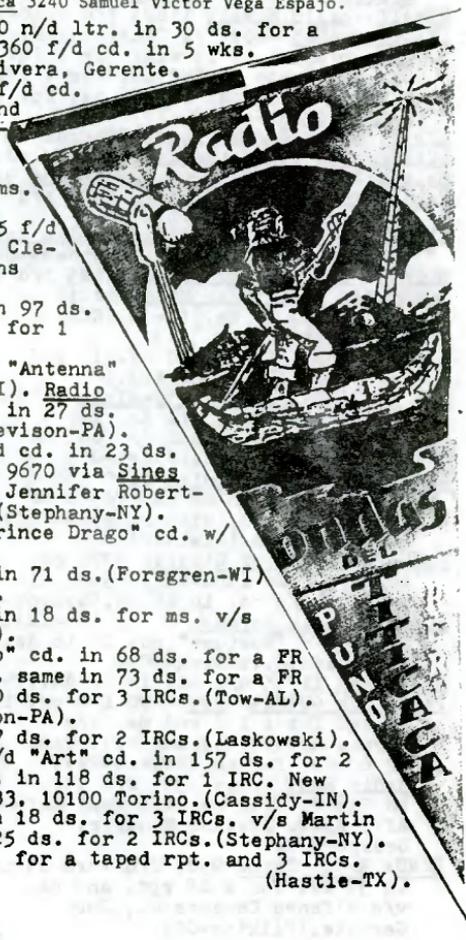
SAIPAN: KPBS 11705 f/d "Island" cd. in 18 ds. for ms. v/s H. Jewett, QSL Secretary. (Buer-FL).

SENEGAL: Radio Senegal 4890 p/d "Logo" cd. in 68 ds. for a FR rpt. and 2 IRCs. (Witherington-FL). same in 73 ds. for a FR rpt. and 2 IRCs. (Dillon-DC). in 90 ds. for 3 IRCs. (Tow-AL). cd. in 80 ds. for a FR rpt. (Levison-PA).

SEYCHELLES: FEBA 15200 f/d cd. in 107 ds. for 2 IRCs. (Laskowski).

SICILY: RAI 7175 via Caltanissetta f/d "Art" cd. in 157 ds. for 2 IRCs. (Hosmer-MI). f/d "Venice" cd. in 118 ds. for 1 IRC. New

addr: RAI, St. PA - Via Cernaia, 33, 10100 Torino. (Cassidy-IN). **SOLOMON ISLANDS:** SIBC 5020 f/d cd. in 18 ds. for 3 IRCs. v/s Martin Hadlow. (Paszkiewicz-WI). same in 25 ds. for 2 IRCs. (Stephany-NY). f/d cd. w/ personal ltr. in 16 ds. for a taped rpt. and 3 IRCs. (Hastie-TX).



SOUTH AFRICA: Radio RSA 9615 f/d
 "Bloubergstrand" cd. w/ pennant and sticker in 14 ds. (Jones-VA). Radio 5 3250 f/d cd. in 40 ds. for 1 IRC. v/s Colin Miller. (Jones-OH).

SPAIN: REE 9630 f/d "Bullfight" cd
 in 41 ds. (Dillon-PA). 15125, 11880 and 9630 f/d cd. in 61 ds (Levison-PA).

SWITZERLAND: Swiss Radio International 17785 f/d cd. in 36 ds. (Dillon). 9725 f/d cd. in 17 ds for 1 IRC. (Hastie-TX).

TADZHIK SSR: Radio Moscow 15220 f/d cd. in 5 wks. (Swaringen-NC)

TAHITI: Radio Tahiti 15170 f/d
 "Logo" cd. in 141 ds. for 1 IRC (Schmitz-FRG). same in 55 ds. for a FR rpt. and 3 IRCs. (Jones-OH). same in 7 mo. for 2 IRCs. (Kacir-MI). 11825 cd. in 87 ds. for a FR rpt. and 2 IRCs. (Sobkoviak-IL).

TAIWAN: Voice of Free China 11745 f/d cd. in 28 ds. (Tow-AL).

TANGIER: VOA 15195 f/d cd. in 6 ds. (Laskowski-IN).

TOGO: Radio Togolaise 5047 cd. w/ form ltr. in 33 ds. for 2 IRCs. after a f/up rpt. (Tow-AL).

TURKEY: Voice of Meteorology 6900 p/d form ltr. in 1 mo. for 1 IRC. v/s M. Cemil Ozul. (Stephany-NY).

UKRAINE: Radio Kiev 17870 cd. in 54 ds. (Tow-AL). 7205 f/d "Museum" cd. in 91 ds. (Jones-VA). Radio Moscow 11735 via Yinnitsa f/d "Lenin Library" cd. in 25 ds. (Dillon). 11850 f/d cd. in 27 ds. (Dillon-DC). 11780 via Lvov f/d "Hotel Rossiya" cd. in 38 ds. (Dillon). 11750 "TV Tower" cd. in 27 ds. (Dillon). 9765 same cd. in 37 ds. (Dillon). 15100 f/d "Kalinin Prospekt" cd. in 32 ds. (Dillon). 15475 via Simferopol f/d cd. in 44 ds. (Dillon). 7165 via Kiev f/d "Beloroussky Railway Station" cd. in 56 ds. (Talbot-ALB).

UNITED ARAB EMIRATES: UAE Radio Dubai 17775 and 15435 f/d "Map" cd. in 30 ds. w/ pennant. v/s Kay Fenner. (Jones-OH). 15435 cd. w/ pennant in 19 ds. for 3 IRCs. (Hastie-TX).

USA: KGEI 15280 f/d cd. w/ pennant in 40 ds. for ms. (Jones-VA). WRNO 6120 cd. w/ sticker in 36 ds. for ms. (Talbot-ALB). WWV 15000 f/d cd. in 14 ds. (Richards-CT). United Nations Radio 21710 via Greenville f/d cd. in 20 ds. for ms. (Hastie-TX). VOA 9455 via Greenville f/d cd. in 29 ds. (Dillon). Radio Earth International 6185 via WRNO cd. in 14 ds. for ms (Witherington-FL) same in 150 ds. for ms. v/s Jeff White. (Stephany).

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 SASE....Sam

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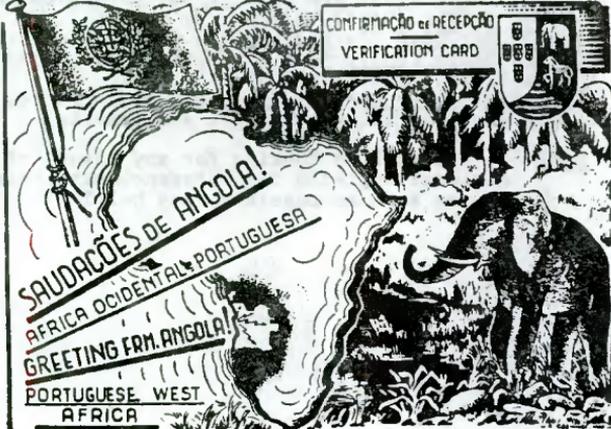
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RADANGOLA

LUANDA (ANGOLA)

AFRICA OCIDENTAL PORTUGUESA



VERIFICATION SIGNERS: Radio TV Cultura 17815 O. Jose Francisco. Radio Por um Mundo Melhor 4855 Odilon Lagares Aguilari. Radio Clube do Para 4885 Edyr Paira Proenca, Gerente General. Radio Difusora Acreana 4880 Eduardo Jorge George Barbosa. Radio Brasil Central Jose Pedro Rego, Gerente. Radio Douala 4795 Regine Ndobo, Secretary. Radio Clube Paranaense 11935 Ubiratan Lutosa, Gerente. Radio Universidad 6105 Jose Tasies S., Director. Radio Maturin 5040 Carmelo Resplandor. Radio Bangladesh 4890 A. Rashid, Research Engineer. Radio Cultura de Cufaba 5015 Klecius Santos. Radio Itatiaia 4808 Lucio Araujo Bessa. Radio Mam 4825 Herminio Perez Lopez, Director. Radio Tachira 4830 G. Gonzalo Lovera. Radio Difusora Uberlandia 3242 Ademir Torido Dos Rei, Program Director. Radio Poti 4965 Moaioir Aurelio Ferreira. Ondas del Darien 6085 Manuel Cordona Agudela, Gerente. La Voz de Los Caras 4795 Marcelo A. Nevares F. XEQM 6105 Raul Domingues Avila, Director. Free Radio Service 7320 P. Verbruggen. Radio Sicuani 4835 Raul Sio Almonte, Gerente. Radio Eco 5112 Marcos Panduro Rivadenoyra. Radio Union 6115 Roberto Adrianzen Huamen, Gerente. KFBS 15125 R. Bower, QSL Secretary. Radio Maua 5055 Zoelzer Poubel, Director. Radio Difusora Maranhao 4755 Frank Mattos, DJ. Radio Copacabana 5015 Oliveira Francisco da Silva, Director. Radio Dragao do Mar 4925 Luis Sergio Gadelha Vieira. Radio Ribamar 4785 Oscar Ferreira, Gerente.... This list should keep you busy for a while... Sam.

USA (Pirate): KQRP 6233 and 7415 f/d "Parrot" cd. in 18 ds. for ms. (Stephany-NY). 6210 f/d ltr. in 20 ds. for ms. v/s Doctor X. 100 watts: (Gavaras-MN). 7413 f/d ltr. in 20 ds. 20 watts: (Gavaras-MN). 7415 ltr. in 22 ds. for ms. (D'Angelo-PA). 15050 f/d ltr. in 42 ds. for ms. (Cones-VA). same in 49 ds. for ms. 50 watts: (Jones-VA). Voice of Tomorrow 1616 f/d cd. in 114 ds. (Stephany-NY). WIMP 7430 f/d cd. in 35 ds. for ms. 75 watts: (Gavaras-MN). Radio Sine Wave 7430 f/d ltr. in 45 ds. for ms. v/s Dr. Calculator. (Gavaras-MN). WDX 1620 f/d large yellow cd. in 48 ds. for ms. (Stephany-NY). KPRC 6275 and 1616 via Exeter, NH cd. in 45 ds. for ms. (Tow-AL). 6275 "Antenna" cd. in 26 ds. (Streeter-NY).

* KIWI Radio via Voice of Laryngitis 7430 f/d cd. in 17 ds. (D'Angelo-PA)
* same in 35 ds. for ms. (Gavaras-MN). Radio clandestine 11830 f/d form ltr. in 71 ds. for ms. (D'Angelo-PA).

USSR: Radio Peace and Progress 11845 cd. in 90 ds. (Jones-OH). Radio Moscow 15455 cd. in 26 ds. (Dillon). Radio Rodina 11960 f/d cd. in 25 ds. for a RS rpt. (Dillon). (Tow-AL).

YANUATU: Radio Yanuatu 7260 cd. in 46 ds. for 3 IRCs. v/s C.A. Mason.

VATICAN: Radio Vatican 11845 cd. in 40 ds. (Eckert-PA). 9605 f/d cd. in 21 ds. for 1 IRC. (Dillon).

VENEZUELA: Radio Turismo 6180 p/d "Valera" cd. in 4 mo. for 1 IRC. (Valko-PA). p/d cd. in 63 ds. for a SP rpt. and 1 IRC. (Dillon). same in 130 ds. for a SP rpt. and 1 IRC. (Schmitz-FRG). Radio Tachira 4830 n/d cd. in 45 ds. for 3 IRCs. (Mosman-IL). p/d cd. in 1 mo. for a SP rpt. and ms. (Craighead-KS). cd. in 30 ds. for a SP rpt. (Dillon). YVTO 6100 p/d cd. w/ form ltr. in 54 ds. for a SP rpt. and 2 IRCs. (Witherington-FL). La Voz de El Tigre 3255 f/d form ltr. w/ stickers in 66 ds. for a SP rpt. and 2 IRCs. v/s Gafael Guevara, Director. (Schmitz-FRG). Radio Nacional 9540 f/d folder cd. in 6 mo. for a SP rpt. pennant rcvd. w/ stickers. (Field-MI).

VIETNAM: Voice of Vietnam 15010 f/d cd. in 91 ds. for 2 IRCs. (Tow-AL).

WEST IRIAN: RRI Fak-Fak 4789 p/d ltr. in 98 ds. for 1 IRC. (Laskowski-IN).

YEMEN, PEOPLES DEMOCRATIC REP: Radio PDRYBS 6005 via Aden n/d cd. in 5 mo. for 2 IRCs. v/s Abdulla Nasser Yeslam. (Hosmer-MI). same in 1 mo. for 2 IRCs. (Cones-VA). (Hosmer-MI).

YEMEN, REPUBLIC OF: Radio Sanaa 4852.9 n/d ltr. in 90 ds. for 1 IRC.

ZAIRE: Radio Candip 5066 f/d "Logo" cd. in 125 ds. for 1 IRC. v/s J. Cailloux. (Schmitz-FRG).

ZANZIBAR: Radio Tanzania Zanzibar 3339 f/d cd. in 2 mo. (Field-MI).. Took 11 years in total but I got em... Marlin.

NOTE: Your editor is looking for any issues of The Finnish DX Club International bulletin for reference materials. I will return them to you as soon as possible. Any help?

Sam



FERRY A. LINEBACK, Editor
 115 Wroxtton
 Monroe, TX 77304

SEPTEMBER 1984

Back again for scoreboard. Thanks for the many updates this past quarter. Remember, you must update your totals at least one time each year to remain on the scoreboard listing. This quarter's spotlight is on Asia. The spotlight will be on Europe for the next scoreboard. The next deadline will be 15 November for the December issue. C/H = countries heard. V = countries verified. Country counts are according to the NASWA Radio Country List.

Name, State	Totals	Asia	Best	QSL	Name, State	Totals	Asia	Best	QSL		
	C/H	C/V	C/H	C/V		C/H	C/V	C/H	C/V		
John Tuchscherer, WI	229	63		Qatar	Richard Davis, CO	187	168	57	50	Kampuchea	
Irving Johnson, CA	226	62	62	15	Molucca	Henry Ward, Que.	187	163	44	39	Mongolia
Bob Padula, Aust.	223	217	65	64	Bhutan	Terry Palmersheim, MN	186	149	49	36	Turkish Pol.
Edward Kusalik, Alb.	220	206	62	58	Dill	Jerry Lineback, TX	186	107	51	15	Ujung Pandang
Bryan Clark, NZ	219	203	63	55	Bhutan	Stephen Leite, MA	185	158	41	37	Kampuchea
Al Sizer, CT	218	218	61	61	Maldives	John Huniwell, NJ	184	177	43	43	Tibet
Marlin Field, MI	218	217	60	59	Gorontalo	Robert Fleck, TX	184	155	45	36	S. Yemen
Jerry Berg, MA	218	216	61	61	Goa	John Bryant, OK	182	141	51	40	Banjarmasin
Tom Williamson, Ont.	217	202	59	51	Goa	Mike Hardester, NC	181	166	50	46	ARNT Taiwan
Bill Sparks, CA	215	211	62	58	Manchouko	Jerry Johnston, KY	180	99	40	23	VoLevanco
Nobuaki Takahashi, Japan	214	179				Hadley Cress, VA	180	8	43	3	Sri Lanka
Tom Gavaras, MN	213	203	61	57	VTWN	Del Fye, FL	179	146	46	39	Ambon
Al Miller, OH	211	203	58	54	Qatar	Steven Lare, MI	178	129	50	37	Hong Kong
Terry Krueger, FL	210	131	52	20	Singapore	Nelson George, NC	177	140	43	34	Tibet
Victor Jaeger, Que.	209	4				David Swaringen, NC	177	137	43	35	N Korea
Gerald Bishop, PA	208	181	54	46	JJY	Hans Johnson, TX	176	126	38	27	Kampuchea
William Flynn, CA	207	196	55	52	HongKong	Mark Konen, WI	175	137			
Larry Abraham, MI	205	190	52	47	R San'a	Walter Kunz, PA	173	95	42	18	King of Hope
Sholom Gliksmann, IL	203	173	58	51	Maldives	John Meyer, WI	170	125	49	35	Kampuchea
Chris Lobdell, MA	202	199	52	52	Palembang	Mark A. Duba, VT	169	123	36	24	
Dave Valco, PA	202	162	53	34	Turkish Pol.	Don Hosmer, MI	167	125			
Don Moore, PA/Hond.	202	149	54	42	Pekanbaro	Morley Kirkland, ONT.	165	151			
Robert Wilkner, FL	202	132	56	18	Tibet	Ken Cobb, ME	165	119	39	29	Nepal
Brett Saylor, PA	202	119	54	29	Tibet	Christos Rigas, IL	164	137	43	37	Kampuchea
John Sgrulleta, NY	201	200	49	49	Turkish Pol.	John R. Tow, AL	162	108	30	18	Ulan Bator
Paul Buer, FL	201	186	53	49	VoPeace	Shawn McDaniel, IN	162	56	29	5	Tibet
Mike Ryan, CA	200	173				Bob Streeter, NY	161	120	36	28	Turkish Pol.
C. J. Orekar, CA	199	188	56	52		Dan Miller, WI	160	23	36	4	Burma
Mark Koukol, IL	199	174	52	39	Brunei	Paul Choroszy, ME	158	121	33	22	Dubai
Steve Reinstein, FL	196	151	52	34	Burma	Tom Laskowski, IN	158	119	30	19	Qatar
Jim Uerlings, OR	196	54	61	17	Mongolia	Rick Krzemien, IL	158	111	43	28	Sarawak
Henry Lazarus, LA	195	192	50	50	Quetta	Larry Cunningham, OH	158	56	36	8	FEBEC
Ron Howard, CA	184	184	50	NHK	Osaka	Norman Bobb, MN	158	1	38		
Vladimir Cucura, PA	195	106	49	27	Oudon Xay	Dave Maxfield, MI	158	40			
Robert J. Vance, FRG	192	175	53	48	Srinagar	Baxter Hensley, TX	156	141	44	41	N Yemen
Troy Gower, IL	190	167	38	27	Baku	Gayle Van Horn, TX	154	116	37	27	R San'a
Martin Foltz, MI	188	151	45	31	Brunei	Scott Warner, SC	153	120	38	30	Qatar
C. Vernon Hyson, NC	187	170	47	40	Sarawak	Jim Fortney, PA	151	88	32	22	Galei Zahal

Name, State	Totals				Asia	Best QSL	Name, State	Totals				Asia	Best QSL
	C/H	C/V	C/H	C/V				C/H	C/V	C/H	C/V		
David Jones, VA	150	131	35	30	R San'a	Ed Dye, AR	88	59	15	11	Peking		
Ken Loh, CA	147	109	33	23		Richard Cassidy, IN	85	63	10	7	Sana'a		
Pasquale V. DiBiase, ME	146	95				Joe Polchlopek, Japan	85	56	34	20	Kampuchea		
Austin Kelly, IL	145	118	32	24	Ulan Bator	Ichiro Maruo, Japan	83	65	33	21	SBC		
Nolan Stephany, NY	144	120	27	23	VoVietnam	Ron Tekulve, Jr., OH	82	67	22	18	Saudi Arabia		
George Link, CA	143	111	41	29	Thailand	Frank Wheeler, KS	80	65					
Robert L. Woods, VA	136	43	33	7	Taiwan	Mike Martin, IN	79	56					
Sheryl Paszkiewicz, WI	133	101	28	19	Iraq	Robert Luke, OH	78	48	19	7	Philippines		
John Mosman, IL	132	96	20	16	Iraq	Rob Sobkoviak, IL	77	57	12	6	UAE		
Gene Eastman, TX	132	80	24	15	VoVietnam	Jean-Pierre Caravan, PA	77	56	13	9	VoVietnam		
Peter Tutak, NJ	131	96				Michael Monaco, NY	77	53	15	9	VoVietnam		
William Plum, NJ	130	104			VoPeace	Paul R. Coombs, NFDL	76	47					
Timothy Noonan, WI	129	99	33	26	Ulan Bator	Andrew Wertheimer, MN	76	41	17	5	Sri Lanka Vc		
James Smallwood, FRG	128	101	31	26	Qatar	Jerry L. Green, TN	74	49					
Arnold Lausevich, WI	126	93				Ronald Purdue, MN	70	42					
J. Gary Pate, MD	123	100	19	15		Tom Mazelrine, WA	66	55	15	12	Sri Lanka		
Gene Purdum, MI	123	84	33	23	Mongolia	E. M. Church, VT	65	42					
Greg Hart, FL	118	65	27	10	Iraq	Ted Gurley, TX	63	35					
Dale Park, HI	115	35	30	7	AWR via SLEB	David Fodge, IA	54	43					
John Dillaman, OH	114	90	26	20	Lebanon	Joe Freeborn, ND	53	43	6	6	S Korea		
Boris Benkovich, BC	114	73	26	17	Ulan Bator	Norman Drew, BC	51	32	7	5	R Beijing		
Peter M. Dillon, DC	107	68	25	13	S Korea	Glen Piper, MI	50	25					
Joe Talbot, Alb.	101	80	26	18	R Lebanon	Mike Magick, AZ	46	27					
Tom Daly, NY	100	30	23	5	R Lebanon	Robert Tomko, NJ	42	26					
Sam Sanchez, CA	100	1				Josh Gaffin, NY	36	24					
Joe Kremer, SC	99	48	18	7	S Korea								
Fr. John C. Eckert, PA	96	15											
Bob Gunderson, MN	94	62	17	10	Qatar								
Peter Giacopelli, NY	93	82	19	11	Iraq								
Ray Forsgren, WI	89	62	10	8	Mongolia HS								

Thanks to all our contributors. See you again next Scoreboard when the spotlight will be on Europe. Deadline is 15 November. 73s

A RUNDOWN ON SOME NICE THINGS

During a phone call to Headquarters, Larry Magne mentioned, and EEB verified, that Electronic Equipment Bank is now selling the Uniden CR-2021 for \$99.95. This receiver was reviewed in the 1984 WRTH and listed for \$299.95. There is a \$4.00 postage and handling charge on each receiver. If you're interested, write to Electronic Equipment Bank, 516 Mill Street, Vienna, VA 22180. The free phone number is (800) 368-3270.

The latest Radio West equipment sheet lists such new products as the Panasonic RF-9, Sharp FV-610, Sony WA-5000 and WA-8000, and the Toshiba RP-11. For a copy, write to Radio West, 3417 Purer Road, Escondido, CA 92025. Be sure to ask for the flier with the "Dream System" described. If that doesn't make you start saving your loose change, nothing will.

Bob Grove of Grove Enterprises, 140 Dog Branch Road, Brasstown, NC 28902 announces the publication of the new "SHORTWAVE DIRECTORY" in an expanded second edition with a frequency cross-reference. While not BCB information (It contains a section on feeders and relays and a fine article on Pirates and Clandestines by John Santosuosso), the book covers just about everything else between 1.6 and 30 MHz including Shp-to-Shore, U.S. and foreign defense systems, embassies, emergency, space, etc. in all modes. This publication is 8 x 11 inches and 1/2 inch thick. If you'd like to know what those other noises are, this is the book for you. Price is \$12.95 which includes free book rate shipping in the U.S. and Canada.

update

September 1984***Number 169

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

UPCOMING DEADLINES: 10 September (Mid-Sept) 20 September (October) 10 October (Mid-Oct)

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AUSTRALIA VLR 9, 9680, in EG 1243; talk on role of homosexuals in society with opposing viewpoint also. (Hans Johnson, TX)

CHINA Xinjian PBS, 4980nf, // 4220 and 5060 1200-1600+. Kirgiz prgm to 1300, then into Mongolian. (Hitoshi Miyashita, JP)

CUBA Three QSL cards received for Soviet relay on 4765. Radio Prague partial data card (includes frequency), and Berliner Rundfunk full-data included "Cuba relay". Also received partial data card from Radio Sofia, but no response from Radio Warsaw (not Radio Polonia) R. Bucharest or R. Budapest). Strangely I have never heard Radio Ulan Bator, the most reported relay on this freq. My report to R. Prague thanked them again in providing a tour of their studios while I was working in Prague last summer; this may have been a factor in responding to my report. (Wendell Craighead, KS)

INDONESIA From recent monitoring: RRI GORONTOLO, 3265.3, s/off at 1330 in the course of prgm net // to 3800v-. RRI PEKANBARU heard on 5881 till 1600, then changes to 5886, and b'casts all night. Now IS given at 1600. RRI SURAKARTA, 4932.7, 1800-2000 seems to b'cast all night like Pekanbaru. Not heard on 4899 at the same time it is on 4932. 4899 in use 1200-1500. Cannot determine change times yet. During the winter months, many RRI stns b'casts all-night prgms, and some stns do so as a regular matter. So these are difficult; they may be irregular special prgms, Ramadan prgms, or even regular prgms!!! (Miyashita, JP)

PERU R. Libertad de Trujillo, 4911, in SP 0134; talks on Olympics and coca-cola. Same Coke ad heard a couple of times. Excited M anncr gave stn ID at 0134. (Johnson, TX)+++R. Continente, 8900.9, in SB 0213. Anncmts read by M, slow stn ID by M. TCs and many anncmts but no mx. More anncmts followed at 0213 by talk mentioning Nicaragua and El Salvador. (Johnson, TX)

SYRIA AR Service, 12085, in AR 2223. Fair w/ world nx read by M. ID followed by "Syria Today" program. (Johnson, TX)

Next, our regular report from Juan Carlos Codina in Peru:

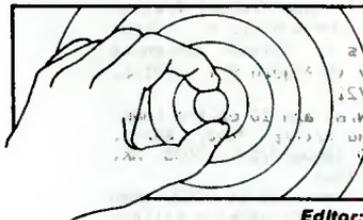
- 3285.3 ECUADOR LV del Rio Tarqui, Cuenca, reactivated with amazing signal sometimes reaching 20db over s9. Noted 0220 with a prgm dedicated to mothers. Sometimes IDing only as "Radiodifusora Tarqui."
- 3389.8 PERU Radio Cutervo, Cutervo, Cajamarca, reactivated, back on the air as of Mother's Day at 0115. "Usted tiene la compania de Radio Cutervo...disfrutando desde la onda amiga de Radio Cutervo." After eight months back on the air!!! I checked for them daily and today the payback. Strong signal. Pop and some salsa mx. Anncd that they would open the next day at *1300. Mothers Day is very special for the Peruvian country stations: they have special prgms with "mensajes musicales" for the mothers all day. Anncd that they are still in a test period. Closed 0138 after the closing anncmt, a cumbia, and then another closing anncmt, this one canned and probably from Lima: "Concluye asi , una jornada mas de trabaja radial, y junto a nosotros palpito la patria, sus anhelos sus logros, los mismos lazos del pueblo, folkloricos e historicos. Hacer una pausa, en la labor diaria, es sentir perfecto del manana...tregamos al descanso con la mante y el corazon puestos en el ideal perfecto del manana . . ." Then abruptly off. All of this enmarqued in "charanga" mx.
- 4730.1 BOLIVIA Radio Mamay, Yucaya, La Paz. Heard again but this time in evening. (Not heard at this time since several months ago.) 0215-0300+ with old "boleros" by Pedro Infante, the famous late artist. However, now the ID sounds to me like "Radio Huamay." When I first discovered this one sometimes the ID sounded like Mamay and other times like Huamay. Must wait for confirmation. Slightly distorted signal but good level comparable to nearby north Bolivians, Abaroa and Riberalta.
- 4762.2 PERU Radio Inca del Peru, noted here and on 4762.5 with numerous spurious signals on freqs at 47.1 kHz intervals from main signal. On the low side, 4716.4, 4668.4, 4621.4, 4574.4, 4527.4, 4480.4, 4433.4, 4386.4, 4339.4. On high side: 4809.4, 4856.4, 4903.4, 4950.4, 4997.4, 5044.4, 5091.4, 5138.4, 5165.4. 4809.4 is stronger than the fundamental, but don't be confused. They have not changed freqs, just are stronger on the spurious freq.
- 4916.1 PERU Radio Central, Bellavista, Huallaga, gives address as Calle Progreso 369, Bellavista, Huallaga, and asked for reports from listeners. Noted again with

- amazing s9+30 db signal. "Song of the cangaceiro" played after ID. At 0129 closing with following annmct: "Desde la selva del Huallaga, transmite (pause) Radio Central." Former by W and later annmct by M: "De esta manera, amables oyentes, Radio Central, en su frecuencia de 4920 kHz, banda internacional de 60 metros, concluye una jornada mas correspondiente a la fecha, jueves, 10 de mayo de 1984. Esperando que nuestra transmision en prueba, de este dia, haya sido de vuestro completo agrado. Nos despedimos hasta al dia de manana, donde estramos iniciando nuestra transmision desde las 10 de la manana (1500 GMT--JCC), debido a que tenemos que mantener el nivel de transmisiones, para que el proximo Domingo, dia de la Madre, estemos con una programcion total, y exclusiva, a las queridas mamacita, durante las 24 horas. Gracias por escucharnos, y gracias por su gentil auspicio. Hasta manana, al son tropical, de Radio Central." After that, closing with a piece of "criolla" ma. I don't know the future of another Peruvian, Radio Continente, Juanjui, heard on 4916.3, not heard at this time. What is sure is that Continente must find another freq because Central has one of the strongest signals on the 60 mb. Have noted it as early as 2000 blocking other signals.
- 5015.3 PERU Radio Moyobamba, San Martin, noted with amazing s9+30db signal. Ne wtransmitter?
- 5120.4 PERU Radio Mundo, Cuzco, Cuzco, reactivated. Hrd again after nearly three weeks inactivity. Hrd at 0000 first check. Criolla mx, s9+20db signal! Heard later till *0900 (sic) with a variety of mx, Cuban, Bolivian, Peruvian, etc. Very nice prgming, and annrcs had very good style, too. Two people at the mike, interchanging comments. Seems to be from a big city and the following annmct reinforced that belief: "Esta es una grata respuesta clara de fin de semana con nuestra emisora joven, que transmite desde Mojayata (tent.--JCC) 701-705, Cuzco, Republica del Peru." So this is the correct QTH of this stn previously tentatively reported to be in Nazca. Slogan: La emisora del momento." Location in a big city explains its very good style. Addressed listeners in many places such as Calca, Moquegua, Abancay, Nazca, etc.
- 5505.2 BOLIVIA Radioemisora Dos de Febrero, Rurrenbaque, Beni, back after a month's absence, at 2344.
- 5560.5 PERU Radio Pucara, Jaen, Cajamarca, making a rare appearance at s9 level, note c 0104-0200 with nice criolla mx in first hour.
- 5802.5 PERU Radio Acunta, Chota, Cajamarca, noted till 0300. Announcing as usual 5800 but also saying "51 metros". Annecd MW freq of 1570. Later noted on 5800.1.
- 7399.2 BOLIVIA Radio Carlos V (Quinto), Provincia de Cornelio de Saaverda, noted first on May 5 at 2380 after being missed on previous freq of 7408.4. Seems to be very unstable but centered in vicinity of 7400. Nice Bolivian mx. Surprised to find a Quechua prgm here during this monitoring. Even in Quechua, however, a clear ID as "Radio Carlos V." The stability is not a problem with the frequency chosen for each day's operations. After 0000 modern ballads though about 25 years old. Later noted closing 0303 anncing that they broadcast from the capital of the province of Cornelio de Saavedra. Before signing off, a Catholic preacher with Bolivian mx in the background. Anncing location as before but after that they said, Betanzos, Potosi, Bolivia. Annecd that they would be back the next day at 1000 GMT. Gone with Bolivian mx and no national anthem. Having listened to them for several days, I can make the following observations: their style is very good far better than little and many big Peruvian stns. This reflects differences in cultural and social development between the two countries. The annrcs speak very good Spanish and the shyle is in general far more advanced.

- We will have more reports from Juan Carlos in coming issues. Also on tap---
- More from Kevin Szot, "on location" in Brazil
 - New reports from Prof. Richard Wood, who has moved from Saudi Arabia to the somewhat more steamy environment of Hilo, Hawaii
 - reports from our overseas reporters Takyuki Inoue and Hitoshi Miyashita in Japan.

DX season is fast approaching so dust of those receivers ang go to it, and be sure to send the hot news to UD.

Best 73,



LOG REPORT

section A

2000 to 4899 kHz

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

TEMPORARY EDITOR NEXT MONTH...

By the time you read this, my bachelor days will be numbered. On September 15th, I wed Susan Schuyler. Because of the wedding on a honeymoon, I will be unable to do the October column. Kevin Mikell, 241 N. Hamlin, Park Ridge, IL 60068, has graciously agreed to fill in for a month. Thanks, Kevin. If you are planning to mail your reports direct, send them to Kevin's address. By the way, the wedding promises to be a real DX affair. NASWA member Karl Forth is my best man, and fellow DXers Rob Kramer and Kevin Mikell also plan to be there. I hope I don't mistake the wedding vows for reception report details!

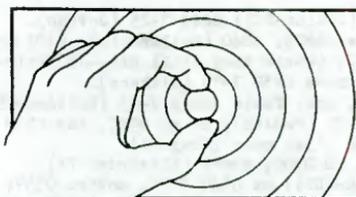
- *****
- 1660 UNID; 0509z, NA played, then s/off, who??? (Trotto 7/27)
 - 2025 ISRAEL, Galei Zahal; 1745; Hebrew, mx, YL tx, no ID, but I checked for // frequencies to confirm (Nathanson, Israel 7/21)
 - 2380 BALKAN ISLANDS, FIBS; 1015, EG mx px w/signal building, although very weak (J. Coles 7/1)
 - 2410 PAPUA/NEW GUINEA, R. Enga; 1145, hrd right at fade out (Coles 7/1)
 - 2428 PAPUA/NEW GUINEA, R. Manus; 1132, rock mx, local color (Coles 7/1)
 - 2850 NORTH KOREA, R. Pyongyang; 1114, home service w/tx by YL (Coles 7/1)
 - 3150 NORTH KOREA, Pyongyang; ID'd w/South Korean assistance, 1256, KK, serious national patriotic mx, nx and criticism of S. Korean gov't (Sharpe 7/30)
 - 3200 LIBYA, SPLAJBC; //9890/11815, 0215, AR, DM into moderately-paced lecture or speech, shouted slogans in unison at 0225 (Jordan 7/25); possibly 'en at 0300 (Tow 8/2); 0156, AR mx w/co-channel of 17930, signals peaked at 0430 (Coles 6/24)
 - 3225 VENEZUELA, R. Occidente; 0110, SP, mx (bull fight style), also some vocals and ballads, several IDs (Dickson 8/1); 0338, SP, hrd ID by DM, mention of Tovar, then Venez. pops (Trotto 8/7)
 - 3230 SOUTH AFRICA, RSA; 0305, EG, to East/Central/South Africa w/African nx, DM, commentary (Dillon 7/28); 0258, EG, Is, ID and s/on w/nx and "DX Corner" (D'Angelo 7/22)
 - 3245 PAPUA/NEW GUINEA, R. Gulf; 1157, ID and pop mx, signals dropping (Coles 7/1)
 - 3255 LIBERIA, ELBC; 2309, EG, DM w/political type commentary, at 2310, USB QRM blocks sig, ads, mx and tx until 0004 (Bolland 7/26); 2355; EG, end of nx by DM, TC and FC given at s/off (Prath 7/14); 0539 tx in lang (Michaud 7/25)
 - 3255 VENEZUELA, R. 980; 0341, SP, SAM mx, ID "R. 980" (Michaud 7/9); 0120, mx and IDs (Dickson 8/1)
 - 3265 INDONESIA, RRI/Gorontalo; 1110, IN, YL tx to 1116, then drums and chimes, YL ID, inst mx, YL tx, 2nd ID at 1130 (Moore, Honduras 7/9)
 - 3270 NAMIBIA, R. Southwest Africa; 0235, EG, presumed all-nite svc w/EZL accordion and orchestral mx, US pop and soul, too (Jordan 8/1); 0025, EZL mx (Bolland 7/17); 0300, EG ID, into lite classical mx (Howard)
 - 3275 SWAZILAND, TWR; 0344, lcl tx, ID, cregl px (Michaud 8/1)

- 3285 BELIZE, RB; 0401, lite rock mx, DM DJ, some Michael Jackson tunes, mx, TC (Dillon 7/21); 0102, EG, DM w/world nx, including amnesty for political prisoners in Poland (Enkhus 7/22); 0314, EZL mx into radio play (D'Angelo 8/4); 0125, SP/EG, ID in EG, into pop (Dickson 7/21)
- 3295 NAMIBIA, RSAW; 2nd px at 0048, DM w/mx and ID on the hour, too much GRN to catch details (Bolland 7/17); 0102, EG/66, inst and vocal mx, some in GG, //3270 (Bobb 7/24); 0035, AK, EZL mx to 0100, then YL w/ID (Dillon 7/8)
- 3315 ECUADOR, R. Pastaza; 0150, SP, LA mx, IDs at 0202, then marching band mx (Dickson 8/2); 0345, SP, Ecuadorian ballad w/another slow song following, then ID (Trotto 8/7)
- 3325 ECUADOR, Ondas Quevedenas; 1005, SP, mx w/DM tx, TCs -4 GMT, weak signal (Bolland 7/31)
- 3335 PAPUA/NEW GUINEA, R. East Sepik; 1125, EG, YL w/US pop mx, ID and TC at 1125 (Coles 7/1)
- 3339 UNID; possibly Zanzibar here at 1955 in lang, mx, nx, could not make out ID (Nathanson 7/24)
- 3360 EL SALVADOR, LV de Nahuala; 0200, SP, anmt and mx, plenty of marimbas and vocals (Dickson 7/15)
- 3365 BRAZIL, R. Cultura de Araraquara; 0105, PT, DM and YL w/comments and mx, not very clear (Bolland 7/17)
- 3381 ECUADOR, R. Iris; 0310, SP, coca cola ad, LAm w/DM DJ, TC, Kansas' "Dust in the Wind" (Dillon 7/15)
- 3385 FRENCH GUIANA, RFD-Guyane; 0220, FR, DM w/tx and mx (Bolland 7/15)
- 3390 UNID, FR, Afro mx at 1720, some tx, ID impossible due to long thunderstorm (Nathanson 7/21)
- 3395 ECUADOR, R. Zaracay; 0304, SP, nx by DM, numerous Quito or Ecuadorian items, into rock (D'Angelo 7/19); 0347, SP, rock mx w/DM DJ, some EZL mx (Dillon 7/15); 0030, ID by DM, into ballad by woman (Trotto 7/15); 1025 (Bobb 7/23)
- 3915 SINGAPORE, BBC; 1640, EG horse racing (Nathanson 7/7)
- 3930 CAPE VERDE ISLANDS, Vox de Sao Vicente; 2300 f/in til 0001x, PT, EZ disco pop mx (Tow 8/1); PT, closing anmts in PT, NA at 0001, 4 chimes at 0002 and off, this one is still tent. (Alexander 7/23)
- 3930 TRANSKEI, Capital Radio; 1826, EG, ID at 1829 (Nathanson 7/20)
- 3935 INDONESIA, RRI/Semerang; 1044, IN, DM/YL tx, ID at 1059, poor signal w/ARDS (Moore 7/9)
- 3960 INDONESIA, RRI/Palu; 1125, IN, inst. mx to 1137, DM ID then drama px, Djakarta nx at 1200 (Moore 6/4)
- 3986 INDONESIA, RRI/Manokwari; 1150, YL vocals to 1157, then YL anmts, into RRI network nx (Moore 7/4)
- 3985 SOUTH KOREA, Echo of Hope; 1400, KR, "Arirang" theme, YL anmts, much GRM (Park 7/28)
- 3990 CYPRUS, BBC; EG, nx at 1815, ID and TC (Nathanson 7/21)
- 4120 NORTH KOREA; tent. log of Reunification Radio at 1220 (Coles 7/1) ***I'd appreciate a little more in the details department, DM. Thanks! mn.
- 4485 ASIATIC RUSSIA, Petropavlovsk-Kamchatsky; 1400, RS, Mayak via the above w/nx, classical and semi-classical mx (Sharpe 7/25); 1230, Ufa, RS, first time noted this year (Coles 7/1)
- 4656 ECUADOR, CRE; 0351, SP tx, fair lvl (Michaud 7/9); 0404, good sig w/soccer match (Daly 7/27); 0040, possible soccer match, DM, no ID (Dillon 7/26)
- 4735 CHINA, CPBS/URUMQUI; 1618, YL in semi-tonal lang, playing Sino-Cen. Asian mx, //5800 (Park 7/25)
- 4755 BRAZIL, R. Dif. do Maranhao; 0645, PT, weak signal w/PT pop mx, ID at 0659, antms, jingles, TCs (Alexander 8/5); 0048, PT, tx using reverb, mentions of Maranhao (Michaud 7/31)
- 4755 COLOMBIA, CARACOL; 0411, progressive LA mx w/DM DJ, TC, ID, sfx (Dillon 7/22)
- 4755 PERU, R. Huanta; 1025, SP, SAm pop mx, TC -5 GMT (Bolland 7/14)
- 4760 LIBERIA, ELWA; 0625, EG, relig. mx, ID at 0628, TC, scripture lesson at 0630, lcl nx t 0655, time pips and BBC at 0700 ex-4765??? (Alexander 8/4)

- 4762.7 PERU, R. Inca; 0948, SP, OM mentioning Peru often, ads, some mx (Bolland 7/19); 0615, SP, OA mx, ID at 0620, anmts used echo effect, weak but clear (Alexander 8/5)
- 4765 BRAZIL, R. Nal de Cruzeiro do Sul; 0907, PT, OM comments and musical comedy numbers, haven't hrd this one for awhile due to the QRM usually on freq (Bolland 7/21)
- 4765 CUBA, All Union Radio; 0158, noted back on the air after a month of silence. Freq corrected to 4765 from previous 4764.8! Seemingly weaker than before (Reinstein 8/4)
- 4770 NIGERIA, R. Nigeria/Kaduna; 0610, EG, nx by OM, headlines, good signal (Trotto 7/19)
- 4770 VENEZUELA, R. Mundial Bolivar; 0855, SP, OM w/IDs and inst mx (Bobb 8/2); 0109, SP, LA mx, DJ, ID at 0119 w/several anmts between doorbell rings (Dillon 7/26)
- 4772.5 ECUADOR, R. Cenit; 1030, SF, mx and OM tx (Bolland 6/29)
- 4775 BRAZIL, R. Cultura de Sergipe; 0936, PT, mx w/OM tx (Bolland)
- 4780 DJIBOUTI, R. Djibouti; 0320, OM in lang, ME vocal selections, no YV tonite, but covered by utes at 0335 (Atkins 7/29); 10259, AR, Quran, tx (Tow 7/30); 1720, Somali, nx (Nathanson 7/7)
- 4780t VENEZUELA, LV de Carabobo; 0240, SP, tx by OM, hard to hear due to CW, QRM, also some gurgling QRM (Dickson 7/22); 0940, SP, OM w/ID and tx, vocal mx, TC, ID and more mx (Bobb 7/28)
- 4783.1 MALI, R. Mali; 0615, FR, lcl Afro mx and tx, hrd //5995 under VoA, but nothing on either 7285 or 7110 (Alexander 8/4); 0630-0701 f/out, Quran tx (Tow 7/1); 0600, FR and AR mx, AR tx (Coles 6/25); 0620, Afro mx, tx in lang til FR ID at 0700 (Summers 7/18)
- 4785 COLOMBIA, Ecos del Combeima; 0904, SP, OM w/ID and tx, fair w/QRM and Ute QRM (Bobb 7/25); 0640, SP, LAm, lots of tx, good lvl (Summers 7/26)
- 4790 PERU, R. Atlantida; 0332, SP, lively LA mx, ID at 0342 by OM, het de Ecuadorian (Dillon 7/8)
- 4792 ECUADOR, Sistema de Emisora Atalaya; 0429, SP, full ID followed by tx by OM (Daly 7/27); 0425, SP, HC mx (Alexander 8/5); guitar and folk mx, DJ, several mentions of Ecuador and TC (Dillon 7/22)
- 4795 CAMEROON, R. Douala; 0058, FR, Olympic report, ID, "Ici Douala, station provinciale du Cameroun," s/off 0102 w/NA (Michaud 7/31); 2332, noted well past usual s/off (Daly 8/5); 0455, FR, Afro mx, OM (Summers 7/4); 1740, EG ID and nx (Nathanson 7/7)
- 4796.7 BOLIVIA, R. Nueva; 0059, IDs at "R. Nueva: by OM, jingles, tx by OM and YL after 0101 (Valko 7/19); OM tx w/full ID using echo, 0130, lite piano (Jordan 7/4); 1008, signal straining to get thru due to noise (Bolland 7/21)
- 4800 ECUADOR, R. Popular; 0435, ID, TC, musical selections (Field 8/9)
- 4800 LESOTHO, R. Lesotho; 0315, OM in lang, wide variety of mx ranging from lcl choral mx to disco, even blues. Very good signal these days (Atkins 7/31)**Another rare one bites the dust. . . mln. 0458, EG, ad for Rockman cigs, 0500, ID and TC, nx, ad for computers and ad for Lesotho Telecommunications for a controller (gave phone no. to call), after 0510, lang and relig px (Howard, CA); 0500, EG, TC and ID by YL, then world nx (Sharpe 8/2)
- 4810 ARMENIAN S.S.R., R. Yerevan; 0227, weak signal, piano mx, RS YL, into px "Mezhdunarodnyy dnevnik" at 0230 (Reinstein 8/4)
- 4810 GABON, Africa No. 1; 0550, FR, rock mx, coming in real well here in California on both 4810 and 15200 (McKellar 7/24); 0505, FR, OM w/tx and ID, afro drums (Jordan 7/24); 0510, FR, afro pop (Daly 7/27)
- 4810 PERU, R. San Martin; 1012, mx, IDs given during mx and after (Bolland 7/18)
- 4815 COLOMBIA, R. Guatepuri; several IDs, really booming in w/ads and mx (Dickson 7/25); 0035, SP, ads, jingles and anmts, full ID w/FC and TC at 0040 (Alexander 7/24)
- 4815 UPPER VOLTA, RTVV; 0628, FR, hi-life mx (Tow 8/3)
- 4820 ECUADOR, R. Paz y Bien; 0954, SP, OM w/ID and tx, called listeners to attention several times (Bobb 7/28)

- 4820 HONDURAS, HRVC; 0455, EG, ID, invitation for listeners to write in, mx (McKellar 7/16)+4
- 4825 GUATEMALA, R. Man; 2342, SP/Indian, OM/YL, educational tx, normally 2400#, this reactivated after several months (Moore 6/28)
- 4828 UNID; noted w/carrier several times around 0305 (Jones 7/20)
- 4830 VENEZUELA, R. Tachira; 0417, SP, LA mx w/DM DJ, ID at 0430, "Esta es R. Tachira, desde San Cristobal" (Dillon 7/8); 0640, SP, OM ID at 0652 (Sharpe 7/6); 0122, SP, OM DJ, SP and EG vocals, ID at 0128 (Enkenhus 7/22); 0240, EZL Latin mx, QRM from 4832 (Jones 7/17); 0020, OM w/EZL pop (Bobb)
- 4835 GUATEMALA, R. Tezulutlan; 0105, SP, slow marimba mx, positive ID at 0133 (Daly 7/31); 0215 (Dickson 7/20)
- 4835 SOUTH AFRICA, SABC; 0450, EG, pop mx, ID, correspondent's report, tx show (Sharpe 6/27)
- 4839.6 COSTA RICA, R. Columbia; 0505, SP, noted off freq w/tx, pop mx, IDs and jingles, abruptly off at 0609 (Alexander 7/15); 1048, OM and YL w/ads, comedy, TC (Bolland 6/29); 0355, sports review, ID, call-in show (Michaud 7/9); 0121, tx by, OM and YL w/mentions of "La patria," "la radio y television," many jingles (Valko 7/14)
- 4840 VENEZUELA, R. Valera; 0345, SP, three romantic ballads w/OM vocations, brief tx by OM (Jordan 8/1); 0245, LA mx, nx at 0300, good lvl (Summers 7/9)
- 4845 BRAZIL, R. Nacional do Manaus; 0112, PT, 1cl ad, ID (Michaud 7/31); 0148, OM w/LA vocals, full ID in PT (Enkenhus 7/22); 1000, OM w/ID and station list, tx (Bobb 7/26); 0921, full IDs as "Radio Nal. de Manaus, onda tropical..." (Bolland)
- 4849 COSTA RICA, R. Columbia; 0100, SP w/IDs and mentions of Costa Rica (Bobb 7/26); 0402-0509#, two OMS, lengthy tx, reverb IDs (Jordan 8/1); 0457, American rock (Dillon 7/22)
- 4850 VENEZUELA, R. Capital; 0942, OM and YL, both talking, then mx and ads until 0955, full ID followed by NA (Bolland 7/21); ID at 0302, lively mx (Dickson 7/22); 0200, DJ w/hot U.S. rock vocals, IDs at 0208 (Enkenhus 7/22)
- 4854 YEMEN, R. San'a; 1830, AR, ID at 1831, in AR mx (Nathanson 7/8)
- 4865 COLOMBIA, LV de Cinaruco; 0900, SP, full ID by OM, marimba mx (Trotto 7/7)
- 4870 BENIN, LV de la Revolution; #0555, FR tx, pop mx (Tow 7/1)
- 4880 SOUTH AFRICA, SABC/Johannesburg; 0510, sx nx, EG TC, commentary (McKellar 7/4); 0510, AK, classical mx, trade and political tx (Dillon 7/22)
- 4885 COLOMBIA, Ondas del Meta; 0858, SP, OM w/ID and tx, vocal mx (Bobb 7/24)
- 4885 PERU, R. Huancavelica; 1007, SP ID, then huaynos and OM tx in Quechua (Moore 6/16)
- 4890 PAPUA/NEW GUINEA, NBC/Pt. Moresby; 0912, EG, nx w/DM and YL, mentions relations w/Indonesia (Vacino 7/22); 1230, national network px w/local mx (Coles 7/1)
- 4890 SENEGAL, R. Senegal; 0005, Afro pops, OM DJ, mention of Senegal, ID in FR at 0040 w/TC (Dillon 7/15)

Looks like we have a little space left over. Instead of blank space, I'll tell you a little about myself. I'm 26 and work as an Account Executive for a Chicago public relations firm. In my spare time, I listen to a Hammarlund HQ-180, Drake SPR-4 and a variety of scanners and communications receivers. I've been DXing since 1969, when my dad introduced me to this interesting hobby. I also enjoy listening to music and occasionally write articles on free-lance basis. At the moment, I've heard slightly over 200 countries on shortwave and have verified approximately 160. If you write a note to me and don't get a response, don't despair. I do read your letters. Thanks for your support. I'm looking forward to the fall DX season. It's almost always superb here in Chicago. See you in November.



LOG REPORT

section B

4900 to 6199 kHz

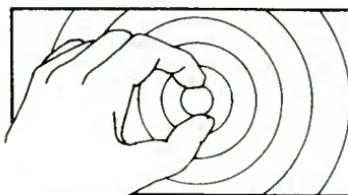
Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

R. Ancash well hrd on 4990, and a new Ecuadorean on 5040 . . .

- 4900 VENEZUELA R. Juventud, non-stop LA pops to 0100 7-8, ID w/fqy, hvy QRN (Valko); tent. them 0042 7-15, rock mx, mellow DJ, just like US stns; Pepsi ads, QTH, TC, very good (Dillon-DC); rock 0126 7-28, ID 0135, strong sig (Daly-NY); rock 0142 7-14 (Paszkievicz).
- 4904.5 CHAD N'djamena, 1745 8-3 in Sara, some FR words, ID (Wood-HI); drums 0457 7-27 followed by NA, chorus, FR ID 0501, strong (Daly-NY); fair 0457 6-24 with IS at 0457, NA, FR ID, local mx (Coles-TX).
- 4905 BRAZIL R. Araguaia, 0909-0918, poor with man in PT, mx (Bolland-FL); ID and off at 0259* on 7-31, fair overall (Michaud-QUE).
- 4910 ZAMBIA Lusaka, Afr lang 0430 8-3, maybe Bamba; nx, ID as HS, into "Blue Tango" (Wood-HI)
- 4911 ECUADOR Em. Gran Colombia, mx, nx, ads, 0130-0140 on 7-30 (Dickson); 0205-0220 8-1, SP mx with dramatic ballads, some amnts, an ID 0214, but tough copy (Jordan); mx 0257 7-29, ID, Coke ad, good and clear (Valko); ID 0304 7-29, Coke ad, other ads, easy lstng mx (Jones); multiple IDs 0350 7-27, then SP pops, good sig (Daly-NY).
- 4915 BRAZIL R. Anhanguera, ballads 0912, frequent IDs, ads for farmacia, supermercado, etc, fair sig (Moore-HOND); man talking 0045 8-4, mx, TC, ID, fair 8-4 (Bobb-MN).
- 4915 BRAZIL R. Nacl. Macapa, TC 0925 7-21, mx, ads, man w/amnts, full ID 0930, fair (Bolland-FL); talks 0153 7-4, lush orch mx, 4-min ID 0200, promo, slogan, amnts, poor sig (Jordan); ID and fast talk at 0304 on 7-31, poor sig, hvy hvt (Michaud-QUE).
- 4915 GHANA Accra, EG nx 0600 7-11, into vernacular 0615, fair in hvy QRN (Summers-PA).
- 4915 KENYA Nairobi, ID at 1859 7-23, mx, nx (Nathanson-ISRL); *0257 7-21, flute and drum IS, ID, anthem, into nx, ID again 0310, into hi life mx, some ads it seemed; Swahili, and poor (D'Angelo-PA); Swahili talk 0435 8-3, mentioned "Bwana," ID (Wood-HI).
- 4920 AUSTRALIA ABC-Brisbane, fair at 1235 7-1, local color with interviews (Coles-TX).
- 4920 ECUADOR R. Quito, sports sponsored by Banco Popular, ID, 0058-0125 7-29 (Dillon-DC).
- 4926 ECUATORIAL GUINEA Bata, SP ID 0530 on 7-25, Afr mx, fair sig (Michaud-QUE).
- 4930 HAITI 4VEH, FR, classical mx, man with ID, fair in QRN, 0030-0100 7-23 (Bobb-MN); 0135 7-15, game show w/live audience, instr mx, religious mx 0145 (Dillon-DC).
- 4935 PERU R. Tropical, ID 0309 7-31, LA mx, fair (Michaud-QUE).
- 4940 UKRAINIAN SSR R. Kiev, 0202-0216 8-4, all alone on fgy w/class mx, Ukr talking by man; 71-note IS thrice at 0214, Kiev ID by man at 0215 (Reinstein-FL).
- 4945 COLOMBIA Caracol Neiva, 0145 7-15, man DJ with ID, LA mx, ads, time pips at 0200, bank ad, local and net nx, fair sig (Dillon-DC); man with ID 0829 7-19, talk, dialogue with second man, fair in QRN (Bobb-MN).
- 4950 CLANDESTINE Voz de Verdade, PT talk, ID, mx, fair at 0322 on 7-31 (Michaud-QUE).
- 4950 SARAWAK Kuching, EG 1330 8-5, nx from Kuala Lumpur, Euro-America pop mx, TC and ID at 1345 (Sharpe-CA); gal w/US top 40 1538 7-25, some ute QRM (Park-HI).
- 4955 BRAZIL R. Cultura, 0910-0923 7-21, fair with excited DJ, another ZY underneath (Bolland-FL).
- 4955 BRAZIL R. Marajoara, 0915-0930 8-2, man w/talk, mx, several mentions of FL). Para, fair but fading (Bobb-MN).
- 4960 ECUADOR R. Federacion, *1030 7-22, marching tune, then NA, man talking, to 1045, in Quechua, fair in QRN (Bobb-MN); tentatively them to 0057* 7-29, ballads and LA mx, man DJ, NA and off; weak, ute QRM, couldn't catch ID (Dillon-DC).
- 4970 VENEZUELA R. Rumbos, sports 0230 7-15, ID 0245, fair (Dillon-DC); lively LA mx 0315 7-22, nx 0329, TC, loud and clear (Dickson); mx, talk, 0910 7-27 (Bobb-MN).
- 4980 VENEZUELA Ecos del Torbes, 0106-0115 7-28 with LV del CID prgm, IS, anthem, IDs, talk; fair in QRN (Bobb-MK); salsa mx 0250 7-15, clear ED ID by man, TC, fanfare at 0300, VG sig (Dillon-DC); 0929 7-31, ID, ads, TC, talk (Bobb-MN).
- 4985 BRAZIL R. Brasil Central, ID 0810 7-8, ballads, exc (Trotto-FL); man with talks, mx, 0050 7-20 (Bobb-MN); PT ID, then talks, fair 0102 7-19 (Daly-NY).
- 4990 ECUADOR R. Baha'i, 0632-0638* 7-29, HC mx, closing amnts, NA at 0635 (Alexander-PA).
- 4990 PERU R. Ancash, *0925 7-7 and 7-19, mx to full ID 0930, then OA mx prgm; hrd till YV carrier comes on arnd 0940, good sig (Bolland-FL); strong 0938 7-12, great folklorica mx, IDs sometimes as "la voz de los Andes" (Reinstein-FL); 0943-1003 7-31, OA mx, IDs with TCs, mentions of Peru and Ancash, gone w/YV carrier on at 1003 (Valko).
- 4990 VENEZUELA R. Barquisimeto, 0300 7-15, DJ w/LA mx, ID 0310; much QRM (Dillon-DC).
- 4991 UNID., maybe R. Animas, arnd 0100 in mid-July, LA-ish prgmng, weak; also may Baha'i off fgy slightly; always poor; not Ancash, as that one also hrd on 4990 (Valko).
- 4996 PERU R. Andina, 1013, talk, TCs, mx, poor (Bolland-FL); presumed them, weak, OA mx, couldn't catch ID; to abrupt 0502* 7-28 (Alexander-PA).

- 5010 CAMEROUN Garoua, *0430 7-15, NA, FR talk, chants (Dillon-DC); 0440 7-25 (Jordan).
- 5010 COSTA RICA R. Colombia here 1041 7-21, good sig, ex-4825, 4840 (Bolland-FL); 0103 on 7-17, "El Mundo Dialogo," but moved agn to 4850 7-24 (where they still are--JB)(Reinstein-FL); talk 0112 7-20, ID (Bobb-MN); nx, mx, strong 0130 7-19 (Dickson).
- 5015 BRAZIL R. Cultura de Curitiba, 0950-1003, arnts, mx, ads, faded badly 7-23 (Bolland-FL).
- 5020 SOLOMON IS. Honiara, pops, TC, relig. prgm, 0856 7-22 (Vadino); EG nx 0920, ads 0938 (Bolland-FL); pop mx 1150 7-25, island mx, ID by man 1154, poor (Gray-MI).
- 5025 BRAZIL R. Transamazonica, 0845-0900 8-5, PT pops, ID 0900, arnts (Alexander-PA).
- 5026v UGANDA Kampala, EG nx, ID 0403 7-27, poor (Michaud-QUE); nx 0349 7-25, anthem 0359, then EG world nx, many IDs; ID 0406 7-16 (Jordan); EG 1908 7-19, nx, sports (Nathanson-PA); 1001 7-27, man giving arnts over mx, fair sig (Bolland-FL).
- 5030 VENEZUELA R. Continente, ads, mx, IDs, 0045 7-31 (Dickson); ID 0407 7-15 (Dillon-DC).
- 5035 CENT.AFR.REP. Bangui, FR, hi life mx, jingles, 0432 7-31 (Atkins-AL), 0438-0520 7-11
- 5040 ECUADOR New on Sw, LV del Upano, Macas, first noted 8-5 at 0201*, agn 8-9 and (Tow-AL). 8-10 0006-0033*, strong, many IDs, among this fgy and //1540. Vy non-HC sounding, arncd s/on as 6:00 pm, so only *2300-0030* weekdays, longer weekends; nothing hrd yet in AM from this (Reinstein-FL).
- 5047 TOGO Lome, carrier 0521 7-20, chime IS 0525, NA, ID 0530 (Daly-NY).
- 5050 ECUADOR R. Jesus del Gr. Poder, 0045-0057 7-17, HC mx, ID, QTH; great sig (Valko).
- 5050 TANZANIA Dar es Salaam, 0400 8-5 in Swahili, ment. "Rais Mubutu" of Zaire (Wood-HI).
- 5055 COSTA RICA TIPC, EG relig. prgm 0340 8-4, Toronto prgm QTH; full ID; RTTY QRN (Daly-NY).
- 5055 FRENCH GUIANA Cayenne, 0101-0110* 7-19 over TIPC, nx, s/off arnts, LM, guitar notes; fair (D'Angelo-PA); 0925-0940 7-19, gud in FR (Bolland-FL); 0949-0955 8-2, FR, man talking, bird chirping in background, ad by gal, ID, fair signal (Trotto-FL).
- 5055 SWAZILAND TWR, *0358 7-21, bells IS, ID 0400, CM talk, relig. prgm, mixing w/TIPC and RTTY (D'Angelo-PA); EG "Back to Bible" 0500 7-24, poor (Park-HI); EG ID 0530 8-2; this fgy is on to 0600*, //7295 remains until 0700* (Wood-HI).
- 5066 ZAIRE R. Candip, IS 0325 8-1, FR 0330, talk, drums, vocals, 0345 fade; RTTY (Atkins-AL).
- 5095 COLOMBIA R. Sutatenza, EZL mx 0205 7-28 (Daly-NY); noticias 0030 7-27, mx, ID 0045, CW QRN (Dillon-DC); LA mx 0231 7-22, good ID 0234, fair, CW/ARO QRN (D'Angelo-PA).
- 5095 PAKISTAN Tent. Islamabad, fairly poor 1423 7-28 w/sub-cont. mx (Park-HI).
- 5331 ANGOLA R. Nacional, Luanda now here, PT DJ show 0620 8-2, nx 0630, mx, faded 0645, muffled audio; good; is Rigas' unid. on 5331 in June FRENDX (Wood-HI).
- 5332 PERU R. Acobamba, SP mx 0353 8-1, ID, fgy drifting, poor overall (Michaud-QUE).
- 5360 PERU R. Vision, 0323 7-31, IDs, LA mx, TC, fair sig (Michaud-QUE); 2333 7-11 (Bolland-FL)
- 5451 INDONESIA RRI-Biak, 1045-1101 7-14, possible ID, mx followed; poor (Bolland-FL).
- 5475 UNID. Traces of tribal mx in mud, 0615 8-4, 0630 fade; Bissau? Vy weak (Atkins-AL).
- 5555 CLANDESTINE R. 15 de Septiembre, marimba mx, ID, anthem to 0702* 8-4, //6215, 7050; no jamming, the was jammed earlier (Alexander-PA). 5580, ID 0328 7-31 (Michaud-QUE).
- 5870 N. KOREA Pyongyang, *1000 7-28 in Korean, gal talking, gone 1012; poor (Bolland-FL).
- 5895 BELGIUM BRT, EG 1845-1855 7-20, ID, talk on computers, "Brussels Calling" (Nathanson-PA).
- 5900 CHINA PLA stn, 1045 7-8, CH talk by gal, CH mx, //5240, 5265 (Prath-FL). ISRL.
- 5930 CZECHOSLOVAKIA Prague, EG 0110-0157 7-25, all talk (Dillon-DC).
- 5940 USSR R. Tikhii Okean, RS 0740 7-28, mx, EG nx, cmtry 0749; RTTY (Park-HI).
- 5945 AUSTRIA Vienna, EG 0125-0155 (Levison, Blanche-FL, Dillon-DC, Alcorn-NJ).
- 5950 GUYANA GBC, 2342 7-22, talk, ID 0000, nx summary, into serious mx; also 8-4 at 0255 with nx, ID, into contemporary mx at 0300; poor at both times (D'Angelo-PA).
- 5954 COSTA RICA R. Casino, 0501-0602*, EG, pop mx, IDs, off w/sked, fgy, NA (Jordan).
- 5960 CANADA RCI, EG nx hrd at 0200 on 7-8 (David).
- 5965 BRAZIL R. Guaiaba, man talking 1000 7-24, mentioning ZY place names; fair, fading (Bobb-MN); 1001 7-13, fair, nx, ID hrd (Bolland-FL).
- 5975 BRAZIL R. Guarujá, folk mx 0937, man IDing, fair (Moore-BOND).
- 5975 COLOMBIA R. Macarena, 1008 7-13, mx, ads, quick ID (Bolland-FL); VG 1030 7-19 (Atkins-AL).
- 5975 ENGLAND BBC WS, ID 0200 7-25, world nx, review of British press (Dillon-DC).
- 5975 S. KOREA Seoul, EG-Korean lessons 1642 7-30, quiz, "Seoul Today" (Park-HI).
- 5980 SOUTH AFRICA R. RSA, Lozi/EG 1727 7-14, Afro mx, request show, hvy QRN (Park-HI); ID at 1830 7-22, pop mx, lang (Nathanson-ISRL); 0205 8-1, fair w/EG nx (Gray-MI).
- 5985 GFR R. Liberty or RFE at 2110 7-11, Hungarian ID 2111, good (Nathanson-ISRL).
- 5985 USA Voice of Free China prgm over WYFR-Okeechobee, CH talk 2330 7-27, beautiful CH mx, VG sig (Dillon-DC); EG mailbag, cmtry, 0100-0130 7-23 (Weinhold); EG mx 0115 7-12, prgm on CH history, good signal (Mack-FL).
- 5995 AUSTRALIA RA, mx 1140 7-25, Aussie olympic nx, fair sig (Gray-MI).
- 5995 KALAWI Tent. them 0723 8-3, hi life mx, hrd till RA s/on 0751 (Tow-AL).
- 5995 USA VOA, Mondale accepting nomination 0540 7-19, het, light QRN, fair sig (Park-HI).
- 6005 ASCENSION IS. BBC relay, "Waveguide" 0436 7-25, fairly poor in QRN (Park-HI).
- 6005 CANADA CFCX-Montreal, 1200 7-9 (Weinhold); baseball at 2350 on 7-28, ads, IDs, fair-poor (Bobb-MN); pops 0050 8-4, poor with much QRN, QRN (Hazel-NY).
- 6006 COSTA RICA R. Reloj, pops 0915 7-27, ID, TCs, nx 0930 (Dillon-DC).
- 6010 SOUTH AFRICA R. RSA, NF //5980, 9615, EG 0210-0230, nx, discussion, mx, IDs, 7-25 (Jordan)
- 6017v NICARAGUA LV de Nicaragua being widely hrd here. EG cmtry on Contadora process, 0115-0135 7-11, arncng 6015 (Dickson); 0215 7-25 mx, asking for rpts; in SP (Field-MI);

- EG at 0400 7-24, cmtry on Natl Students Day, ID 0408, fair sig (Gray-MI); EG ID 0400 8-2, accents similar to Havana (Wood-HI); "Nicaragua Today" 0400 7-29 (Hazeline); FMLN objectives 0422 8-4, SP mx, good sig (Alexander-PA); EG mailbag 0425 (Coles-TX); pol and revol talk 0430 7-24, fgy, QTH (Jordan); diaco 1237 7-13, 1302* (Ponder).
- 0015 VATICAN Vatican Radio, EG 0045-0105 on 7-23 (Weinhold).
- 0020 BRAZIL R. Universo, political talk on Parana state, 0415 on 8-2 (Wood-HI).
- 0020 NETH. ANTILLES RN-Bonaire, DT nx 0950, EG nx 1000, back to DT (Park-HI).
- 0020 USSR RM WS, FR site, EG "The Way We See It" at 1605 on 7-25 (Park-HI).
- 0025 BOLIVIA R. Illimani, Bolivian songs at 0320 on 8-3, ID 0350 ("R. Illimani, la voz de Bolivia, transmite para el mundo"), good, steady sig (Wood-HI); Andean mx 0916 7-19, TCs, IDs, canned laughter, good level (Atkins-AL); 0920 8-5, Andean mx, armts, ID, talk, strong, //4945 not hrd (Alexander-PA); 1015 7-16, instr.mx, TC, P-F (Bobb-MN).
- 0025 NIGERIA Enugu, mellow Afr pops 0632 8-4, EG ID 0633, poor in QRN (Atkins-AL).
- 0035 AUSTRALIA RA, 1502-1506 7-23, nx, ID 1505, talk on Israeli elections (Nathanson-ISRL).
- 0035 BRAZIL R. Globo, ads 0910 8-5, talk by man DJ, ID 0914, phone talk, ZY mx (Alexander-PA).
- 0035 COLOMBIA LV del Guaviare, 0033-0045 7-12, man w/armts, mx, fair sig (Bolland-FL).
- 0045 AUSTRALIA RA, EG/FR "Calling Antarctica" 0937 7-27 (Park-HI).
- 0050 ECUADOR HCJB, SP regional svc 2325 7-21, talk on sports, IDs, world nx (Dillon-DC).
- 0055 JAPAN NSB, in JP at 0830 7-14, RCI IS and then RCI prgm from Vancouver (Park-HI).?-JB.
- 0055 KUWAIT KBS, 1855 7-19 in AR, mx, ID 1900 (Nathanson-ISRL).
- 0060 ARGENTINA R. Nacional, guitars 1001 7-27, TC, ID 1032, talk, 1040 fade (Dillon-DC).
- 0060 AUSTRALIA RA, Pac nx 1228 7-13, //5995, 6070 (Ponder); nx 1300 7-14 (Jones).
- 0060 PORTUGAL Lisbon, EG 0315 7-24 with talk about small towns (Gray-MI).
- 0065 COLOMBIA R. Super de Bogota, LA mx at 0811 7-19, fair in QRN (Bobb-MN).
- 0065 SOUTH AFRICA R. RSA, *2259 7-31 in SP, ID in EG/SP, mx, nx by gal (Trotto-FL).
- 0070 CANADA CFRX-Toronto, ID 0840 7-24, ads, talk, good signal (Trotto-FL); hrd 1200 7-9 (Weinhold); TC 1928 7-30, nx, wx, fair (Bobb-MN); olympics 2200 7-28 (Dillon-DC).
- 0080 CANADA CKFX-Vancouver, hrd 7-11 0800-0935 from VOA s/off to RA s/on; C&W mx, very weak IDs, deep fades; QSLed in 21 days (Tow-AL).
- 0085 COLOMBIA Ondas del Darien, ID 1012 7-30, march, talk; poor, fading (Bobb-MN).
- 0085 GFR DW, GM language lesson 0100 7-8, good signal (Blanchette-FL).
- 0090 LUXEMBOURG R. Luxembourg, man with pop and rock mx, 0020-0035 7-28, poor-fair in QRN (Bobb-MN); pops at 0115 7-11, ID, fair signal (Blanchette-FL).
- 0100 GFR DW, GM 2215 7-28 with IS, ID, talk by gal; YVTO hrd underneath (Dillon-DC).
- 0100 MALAYSIA Voice of Malaysia, Kuala Lumpur, *1255 7-28 in Thai; IS, ID, fair (McKellar).
- 0110 PHILIPPINES VOA, 1125 7-12, EG newslines, "Now Mx USA," fair sig (Trotto-FL).
- 0115 PERU R. Union, criolla mx 0450 8-4, IDs, "musica sabrosa," good sig (Wood-HI); good with LA pops 0730-0805 7-22, ID, little talk (Alexander-PA); mx, IDs 0900 8-3 (Jordan).
- 0118 COLOMBIA LV del Llano, shouted IDs 0256 8-7, merengues, nx, good in het (McLemore-FL); lively LA mx 0331 7-29, man DJ, loud ID 0345, TC, strong (Dillon-DC); ID 0408 7-21 (Jones) ID 0418, romantic mx (Wood-HI); brief nx, dedication, 0500, exc sig (Coles-TX).
- 0125 BRAZIL R. Globo, man with ID 0923 7-19, waltzes, EZL mx, whistle; fair (Bobb-MN).
- 0125 ENGLAND BBC, in Hungarian 1855 on 7-22, talk on religin Euro life (Nathanson-ISRL).
- 0130 ECUADOR HCJB, EG "DX Party Line" 0930 7-9, mixing with RTTY; poor (Park-HI).
- 0135 SWITZERLAND SRI, EG at 0045 on 7-14, nx, "Swiss SW Merry-Go-Round" (David).
- 0135 TAHITI Papeete, nx 0415 8-2, //11825, 15170 and 738, but not listed 9750, now inactive (Wood-HI); M&W DJs with island mx, 0650-0700 8-4, surprisingly good sig (Atkins-FL).
- 0140 CANADA RCI, EG nx 0616 7-20, stock rpt, wx, sports (Park-HI).
- 0150 COSTA RICA R. Impacto, SP pops 2310-2330, promos, many TCs, IDs, jingles at 2330, 7-19 (Alexander-PA); romantic songs 0310 7-29, ID, 6145 splash, fair sig (Dillon-DC).
- 0150 CYPRUS R. Bayrak, 1245-1405 7-11, EG, pops with lady anncr, 2 IDs as "This is R. Bayrak, the Turkish Republic of North Cyprus," good signal (Nathanson-ISRL).
- 0150 VOA, site uncertain, Hungarian ID 2015 7-24, talk on books in E.Europe (Nathanson-ISRL).
- 0155 SWAZILAND R. Truro (SCR), EG 0435 8-4, Indian film mx, booming sig; The Truro was the British vessel on which first Indian indentured laborers came to S. Africa (Wood-HI).
- 0155 UNID. 1022-1045 8-2, Asian, mx, talk by woman, no ID perceived, poor sig (Bolland-FL).
- 0160 CANADA CKZN-St. Johns, "Morning Show" 0840 7-31, MoR mx, wx, cmtry, poor sig (Hazel-NY); CBC nx and wx, local TC, fair sig 7-3 0904 (Moore-HOND); marine and local wx 0925 on 7-26, TC 0700 (local), CBC nx and sports, fair in QRN (Bobb-MN).
- 0165 BRAZIL R. Cultura, 0944-0950 on 7-4, fair with man giving armts, mx (Bolland-FL).
- 0165 NETH. ANTILLES RN-Bonaire, EG 0300-0315 7-22, exc with "SW Feedback" (McKellar).
- 0170 FRENCH GUIANA Cayenne, FR talk 0905 8-5, guitar mx, ballads, //5055 (Alexander-PA).
- 0175 ANTIGUA BBC relay, "Radio Newsreel" 0020 7-19, "Waveguide" (Dillon-DC); 0530-0600 in EG, "Good Books," "Ltr from America," perfect repr 7-8 (McKellar).
- 0175 BRAZIL R. Guarani, 0933 7-4, mx, armts by a man, poor sig (Bolland-FL).
- 0180 ARGENTINA R. Nacional Mendoza, 0857 7-28, pops, IDs 0900, fgy, pretty good sig (Valko).
- 0185 BRAZIL R. Bandeirantes, ZY pops, ads, armts 0825 7-22, //9645 (Alexander-PA); talk, TCs, lively mx 0834 7-17, sound of cat (Bobb-MN); 0855, presumed, PT ads (Moore-HOND).
- 0185 USA WRNO-New Orleans, "R. Earth" prgm 0300-0400 7-21, talk w/Pres. of L5 Society (prgm I helped arrange) (Dillon-DC); "Dialogue" DX prgm 0311-0400 7-22, ANARC rpt (D'Angelo-PA); mailbag 0332 7-21, ads by Spectronics, Curacao Tourist Board (Jones).
- 0189 PERU R. Oriente, *1028, mx to 1030 NA, ID, talk, much mx; fair, fading, 7-21 (Bobb-MN).
- 0195 ANTIGUA BBC WS, phone-in talk show 1310 7-12, fair sig (Trotto-FL). 73



LOG REPORT

section C

6200 to 11699 kHz

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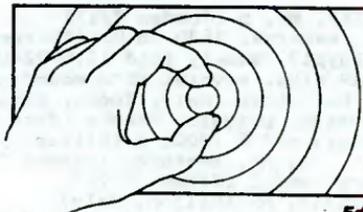
- 6200 NICARAGUA R. Sandino; 0315-0330 SP, contemporary LA pop mx, ID, TC; covered by R. Tirana at 0329 (Dillon 7/29); 0757-0813 SP, slow mx, ID's at 0805, 0810 M ancr; good signal (Witzig 7/20).
- 6210 MONACO TWR; *0344 GM, IS, opening anmts, rel. (Alexander 7/15).
- 6215.1 CLAND. R. 15 de Septiembre; 0632-0703* SP, good with no jammers for a change w/usual tlk & machine gun fire & sirens (Alexander 7/22).
- 6270 PERU R. Huallabamba; 2350-0002 SP, light pop mx, ID & TC by M on hour; also in at 0100 re-check; poor (Moore-HOND 7/7).
- 6323.7 PERU Estacion "C"; 0610-0657*, anmts, jingles (Alexander 7/14).
- 6550 LEBANON R. V. of Leb.; 1809 EG, phone dedications (Nathan-ISR 7/22)
- 6725 PERU R. Satelite; 0150-0220 SP, local folk mx, LA mx, talk by W, Happy Birthday song in EG at 0210; f (Dillon-DG 7/29).
- 7080RF CLAND. R. Antorcha Martiana; 0108-0135+, reactivated after nearly 3 years silence!! Strong anti-communist rhetoric by SP M ancr, "esta es Radio Ant. Mart., organo radial del Movimiento Insurreccional Martiano"; per verie address is M.I.M., P.O. Box 440491, Miami, FL 33144; one of the more underground of the anti-Castro groups (Reinstein & D. Potter 7/28). Tnx, nice meeting you both! -ed.
- 7110 ETHIOPIA VORE; 0450 Amharic, Ethiopian songs (Wood-HI 8/2).
- 7140 CYPRESS BBC W.S.; 0925, Israel's economy (World Today)(Nathanson).
- 7145 ALBANIA RT; 0145 EG, tlk, anti-USSR also anti-US, China, Pakistan; unbiased reporting! Is there anyone they like? (Dickson 7/24).
- 7145 POLAND R. Polonia; 0300 EG, ID, cmntry; //6095, 6135, 7270 (Dillon).
- 7200 SOMALIA R.M.; 0435 Somali, ID, talks; easiest word to ID Somali is often-used word "waha"; fair (Wood-HI 8/2).
- 7205 AUSTRALIA RA; 1330 EG, pop mx, to Asia; fair (Zilmer-NM 7/29).
- 7215 IVORY COAST RTVI; 0640 FR, Afr. mx, ID & much chatter; g (Summers 7/11); 2325-0001* FR, blend of hi-life, pops, & blues tunes; s/off anmts & NA (D'Angelo 7/13); 2330-0002* FR, string inst. & vocal mx, NA, missed ID due to QRM so tent. (Dickson 8/3); 2333-0002* FR, M DJ w/lcl mx & pops in FR & EG, 2349 ID, TC, sked, NA; g (Enkenhus 7/21)
- 7245 LIBYA V. of the Greater Arab Homeland; 0045 AR, talk by M, //9890, 17930 (Daly 7/9); 0330-0343* AR, long talks & off (Jordan 8/3).
- *7255NF BOTSWANA RB; 0450 Setswana, Afro mx, 0500 IS twice w/dove or similar bird (not barnyard animals), Sets. nx; 0513 ID by W "This is RB broadcasting from Gaborone" (G is like ph of Scottish loch); EG nx, 0522 "and that is the end of this nx bulletin from RB. The next nx in EG at 25 min. past 1" into Bob Dylan; booming signal (Wood 8/2).
- 7255 NIGERIA VON; 0500-0600 EG to W.Afr., local & world nx, cmntry, talking drum IS at 0558 into FR (Alexander 7/28, Daly 7/20).
- 7275 ITALY RAI; 1945 EG, nx, mx, s/off at 1956 (Alcorn-NJ 7/28).
- 7285.1 MALI Rdf. TV Mali; 0704-0725 FR, tune-in to mx by local military band, ID 0714 as "RTV du Mali"; Afr. pop mx (Alexander 7/22).
- 7295 MALAYSIA R.M.; 1058-1143 EG, MX, TLK (Tow 7/12) Any ID heard? -ed 1300 EG, mx, sports, nx (Hazeltine 7/28). Doubt if 7300 -ed.
- *7304 PERU R. Selva; 0018-0038 SP, mainly rock mx, anmts 0026, ID at 0033 poor & distorted (Moore-HOND 7/9). Spur or what? -ed.
- 7305 USSR RM; 0215+ EG "The Way We Feel"; via Tula? //7390 (Reinstein).
- 7314.6 PAKISTAN RP, Hindi Svc.; 0113-0215*, clear ID's as "R. Pakistan", nice local mx, Hindi mx, closed with NA "Pakistan Zindabad" by band & chorus; good signal! (Reinstein-FL 7/22).
- 7352v CLAND. LV del CID; 0005-0030 SP, usual pgm w/M&W into political talks, few bars of martial mx, oratory (Jordan 7/17).
- 7410 PR. V. of Tomorrow; 0224-0258* on Civil War (Tow-AL 7/22); 0225-0258* on Civil War, dictatorship, ID, ann'd //6240, 1616; howling wolf & drum IS; fair but QRM (McLemore-FL 7/22).
- 7411 COLOMBIA R. Lux; 0005-0032 SP, mainly tropical mx, some ranchera & Andean mx, TC's after each song always 10 minutes fast, pgm "Cita

- Romántica", ment. Guachucal and Pasto (Moore-HOND 7/8).
- 7434.7v P.R. "KQRP"; 0237-0315* rock mx, Michigan address, "The Shadow", s/off w/Mickey Mouse theme song (Alexander & Atkins: 8/4); 0327-0351 comedy, Elvis Presley mx, Abbott & Costello (McLemore-FL 7/9).
- 7370 P.R. R. North Coast Int'l; 0141-0146* EG, Prince & Greg Kihn mx, ID, ann'd old ACE address for reports (McLemore 7/30).
- 8900.9 PERU R. Continente; 0020-0050+ SP, "R. Continente, la emisora más potente"; Juan Carlos says this from Juanjúi & ex-4916.3, first heard here as an unID (Reinstein 7/17); 1205-1215 SP, romantio mx and ID's between songs (Moore-HONDURAS 7/30).
- 9022 IRAN VOIRI; 2310-2330 AR, cmnts by M&W between mx (Dillon 7/28).
- 9115 ARGENTINA R. Rivadavia via LRB91 General Pacheco Radio; 2305 w/exc sig in USB, canned ID "transmite LS5, R. Rivadavia, en su frecuencia de 630 kHz, desde estudios... en Arenales 2467, Buenos Aires, República de Argentina" (Reinstein 7/25). Such are SWBC to me! -ed.
- 9170 CHINA CPBS II; 1410-1430 (Hakka per BBC M.S. -ed), Chinese class. mx, ID by M at 1430 (Sharpe-CA 8/5).
- 9360 SPAIN REE; 2335-2400 SP, ID, pgm on Catalan mx (Dillon 7/28).
- 9380 ALBANIA RT; 0428 IS, at 0430 slid down to 9375 (Coles-TX 7/11).
- 9440 ISRAEL KI; 2424 EG, s/off anmts; g (Trotto 8/7); 0010-0025 EG, M&W political talk on choosing a new Gov't (Bonnet-IN 8/4).
- 9475 EGYPT R. Cairo; 0200-0327* EG to N.Am. (4 reporters).
- 9480 USSR RM; 2102-2127* FR, RM ID, "Internationale" at 2126 (Jordan).
- 9505 JAPAN RJ; 1501 EG, world nx, ID, more nx (Jones-TX 7/8).
- 9520 HUNGARY R. Budapest; 0100-0130 EG, nx, cmntry (Weinhold 7/26).
- 9530 USSR RM W.S.; 0330, nx by M (Dickson 7/15). Details? -ed.
- 9535 ANGOLA R. Nac.; 2316-2340 PT, nx on 1/2-hour; QRM 2339 (Bolland 7/13).
- 9535 FRANCE RFI; 0100 SP, ID's in FR & SP, LA pgm, mx (Dickson 8/6).
- 9535 SEYCHELLES FEBA; *0259 IS, FA ID, 0300 rel pgm; g (Wood-HI 8/3).
- 9540 MADAGASCAR R. Netherlands relay; 2028 EG, "This is the African Svc. of R. Nederland" followed by sked, also on 1740 (Daly 7/10).
- 9545 MONTSERAT DW; 0059 EG, relay xmtr ID "This is DW Carib. relay station, Montserrat"; nx on BRD-DDR relations (McLemore-FL 8/2).
- 9560 GERMANY DR RBI; 0250 EG, feature on Belgium Chamber Representatives (McKeller 7/20); 0230 EG, cmnt on Poland's liberation (Hazeltime).
- 9560 ETHIOPIA VORE; 1520 EG, ID, nx, Afr. mx. (Nathanson 7/7).
- 9565 GERMANY FR DW; 0145 EG, mx, address, sked (Mack-FL 7/12).
- 9565 RWANDA DW; 0430 EG, nx, "Behind the News", goodly fair (Park 7/24).
- 9570 KOREA REP RK; 0852 EG, nx by W: US Army in Korea, Japan (Vadino).
- 9580 AUSTRALIA RA; 1040-1200 EG, beamed to N.Am. (3 reporters).
- 9580 AUSTRIA RA; 0200-0200 German to C.Am. (Zilmer 8/4, Trotto 8/2).
- 9585 NEW ZEALAND RNZ; 0600-0615 EG, tuned in to inst. version of "Those Were The Days", nx, TG; f (Trotto-FL 7/12). New Frequency? -ed.
- 9590 MALTA IBRA; 2019 GM, sermon (Levison 7/29); 2029 EG (McLemore 7/9). *2000-2115* GM, upbeat rel mx & gospel messages (Jordan 7/27).
- 9610 AUSTRALIA ABC-Perth; 1348 EG interviews, ID, TC, wx (Enkenhus 7/21).
- 9610 IRAQ R. Baghdad; 1937 GM, AR-style rock mx, ID by W (Dillon 7/28).
- 9618 MOZAMBIQUE RM; 1755 drums IS, ID in PT, EG, FR, Swahili: "Escutam RM Maputo"; "Fala-vos o serviço externo da RM em Maputo."; into EG at 1800; ann'd 9620, 4855, 3265, MW 1079, FM 90.1 (Wood-HI 8/5).
- 9620 GERMANY DR RBI; 2052-2115 EG, lite mx, GDR's recent economic advances (Jordan 8/2); 2202-2300 EG, Afr. Svc., nx of camp for young pioneers near Berlin (Enkenhus 7/28); 2215-2242 EG, nx, "Radio Quiz" (Mack 8/4); 0210 EG, "Africa In Focus", Nelson Mandela (Dickson 7/22).
- 9620 NEW ZEALAND RNZ; 1050-1130 EG, National Pgm., "Saturday Scrap Book" light mx, TC (D'Angelo 7/28, Trotto 7/27).
- 9620 YUGOSLAVIA RY; *2115-2127* EG, IS, ID, national & world nx (Jordan).
- 9630 SPAIN REE/SFR; 0100 EG to N.Am., sports etc. (Dickson. David 7/29).
- 9645 COSTA RICA Faro del Caribe; 1315 SP evangelist, ID at 1343; f (Enkenhus 7/21); 1320 light classical mx, ID (Trotto 7/9).
- 9645 NORWAY RN; *0400-0430 EG, IS, ID, Nordic ID, g (Trotto 8/6).
- 9655 SAUDI ARABIA BSKSA; 2050 AR, Holy Quran, nx, s/off (Daly 7/10).
- 9660 VENEZUELA R. Rumbos; 2113 SP, ID, loud talk; p (Daly 7/10); 0240 SP, ads for Caracas, tropical mx; g (Wood-HI 8/3).
- 9664.7 BRAZIL Unid.; 0932-1010 PT, full ID on hour but unintelligible; this followed by a musical program; poor (Bolland 7/20).
- 9665 AFGHANISTAN? R. Afghanistan; 1105-1131 EG, nx, mx at 1111, W anc; ID & Quran at 1/2-hour (Bolland 7/21). Thought these all USSR? -ed.
- 9665 MALAYSIA R.M.; 1435-1510 mx by RTM Orchestra (Sharpe-CA 8/2).
- 9675 JAPAN RJ; 1500 EG, nx, current affairs, cmnt (Zilmer 7/25).
- 9675t PHILIPPINES? FEBC; 1745 GM, tx by chipmunk slowing to man (Park).

- 9680 BRAZIL R. Nac.; 0945 PT, tlk & mx, ID (Bobb-MN 7/31); 1032 PT, TC S.Am. nx, ment. Radio Bras; Brazilian mx & tlk, ID's, TC (D'Angelo).
- 9680h COSTA RICA R. Columbia; 1640 SP, 2x4840, soccer coverage (Moore).
- 9695 EGYPT R. Cairo; 0230 EG, nx, cmnt, local mx; rare (Zilmer 7/28).
- 9695 SWEDEN RSI; *2225-0245 EG to N.Am. (4 reporters).
- 9700 BULGARIA R. Sofia; 2230-2300 EG, nx (Weinhold 7/10). Details? -ed. 0000-0015 EG, sked, cmntry (Mack-FL 7/15); 0205 EG w/R. Moscow relay talk about US propaganda (Dickson 7/16). From Plovdiv -ed.
- 9709.5t MAURITIUS 1200-1230 weak undermodulated subcont. mx, occ. W. in lang., too weak for an ID; noted frequently here but never at better level; VP w/QRM (Atkins-AL 7/30).
- 9710 ARGENTINA R. Nac.; 0815 SP, LA pop mx, ID at 0816, //9690, 6060 (Alexander-PA 7/22).
- 9715 ASCENSION IS. BBC W.S.; 2002 world nx, "24 Hours" (Park 7/29).
- 9720 BULGARIA R. Moscow N.Am. Svc.; 2305 EG, "Moscow Mailbag, listed site is Vinnitza but actual site is Sofia per UHN (Dillon 7/7).
- 9725 SWITZERLAND SRI; 0145 EG, dx pgm, answers to questions (Dickson 7/2).
- 9735a PARAGUAY R. Nacional; 1046-1102 SP, ID's & mx (Bobb 7/28, Daly 7/22) 2305-0245 SP, sports, LA mx, TC, reports (McKellar 7/11, Dillon 7/22)
- 9740 CZECHOSLOVAKIA R. Prague; 1300-1330 EG nx (Weinhold 7/10; 0200 SP, nx & cmntry by W. rxmsn para L.A. (Dickson 7/22).
- 9742.6 ECUADOR HCJB; 2240 Quechua, nice lcl HC mx, rel tlk, ID & 4 time ticks, QRM from 9745; //11900. Why off freq? (Walko 7/23). Dunno but up to 9745.1 now -ed. 0231 EG, DXPL, 9743; g (Bobb-MN 7/29).
- 9745 CAMEROON RC; 2044-2119 EG, 2044 ID, M w/EG pgm "Rhythmic Melodies". nx abt Nat. Union party; into FR at 2117 (Enkenhus 7/25); 2057-2120 unid lang into nx in EG at 2102; hi life mx 2115; 2117: "This is Yaounde, the national stn. of R. Cameroon", into FR; co-ch. Iraq (Alexander 7/15); 2102-2117 EG, African nx, "This nx comes to you in the Int'l Svc. of R. Cameroon" (D'Angelo-PA 7/14).
- 9745 ECUADOR HCJB; 2230 Quechua, folk mx by children (Dillon 7/7).
- 9745 IRAQ SUJ; 2045-2106 AR, nx occasionally covered by Yaounde (Dillon 7/28); 2125 AR, marching mx; f, signal to N.Am. (Daly-NY 7/10).
- 9745 KOREA PDR RP; 1120 EG, cmntry on tech cultural & agricultural revolutions; boring (Gray-7/25); 1234 mx, cmnt (Levison 7/27). Lang?
- 9749 TANZANIA RT; 1221-1330 EG, M&W discourse on baby's dev. in the womt 1229 skeds, "You are tuned to the ext. svc. of R.T." (Bolland 7/14).
- 9750 UK BBC; 1854-1855 Hungarian, religion in Europe (Nathanson 7/22).
- 9760 ALBANIA RT; 0145 EG, nx (M.E. mostly), anti-US, Israel (Dickson).
- 9760 AUSTRALIA RA; 0843 EG, pop mx, to PNG annt w/ID (Vadino 7/22).
- 9760 PHILIPPINES VOA-Tinang; 1350 EG, pop mx, ID; p (Daly 7/10).
- 9765 USSR RM; 0145-0200 EG, holographic photography (Dickson 7/22); 2120 EG, RM W.S., "The Soviet Way of Life", nx summary at 2130, "Focus on Asia" (Dillon 7/28). Peter, how do you know is via Lvov? -ed.
- 9770 AUSTRIA ORF; 0130 EG, satellite TV, Baroque arch. (Dickson 7/22).
- 9780 YEMEN ARAB REP. 0300-0400 f/out AR mx, tlk (Fox-AL 7/16). ID? -ed.
- 9790 FR. GUIANA RFI relay; 2205-2242 FR, variety mx hall songs abt sailors & the sea, 2230 RFI ID (Enkenhus 7/20); 2226 FR, mx, M ancr, 2241 ID; vg (Mack-FL 7/22); 0240 PT cultural tlk; location in Guiana not Europe seems undoubted based on powerful sig here in HI where Europe would be weak; vg (Wood-HI 8/6). Richard, tx for this bit of detective work. 11995 is similar & //; possibly 9535 above is also. RFI has been doing much fcy experimenting recently; the oob one's not listed by the IFRB; wonder why RFI is so secretive? -ed. 0030 FR/EG, nx & rpts, EG nx & rpts, s/off in FR reveals RFI via France (what time do they s/off? -ed), ute QRM (Park-HI 7/22).
- 9840 KUWAIT RK; 1925 AR, Arabic mx w/full orchestra - really nice! ID by W 1930, into disco (Dillon 7/28). *0225 IS, interesting! 8/25 -ed
- 9885 SWITZERLAND SRI; 0145-0215 EG to N.Am. (4 reporters).
- 9890 LIBYA SPLA/BBC; 0230 AR, talk by M w/outs from "Bonanza" theme betw. topics, ID at 0245 followed by Arabic mx; f (Dillon-DC 7/29).
- 9895 HOLLAND RN; 0228-0239 EG, ID, sked, special fcy (Ponder 7/21).
- 9905 USSR R. Tik. Okean; 0750 EG/RS, nx & cmntry, organ IS & RS feature; USB; via Khabarovsk (how do you know site?-ed); QRM (Park-HI 7/28).
- 9915 UK BBC W.S.; 2315-0030 usual pgms (Mack-FL 7/22, Dickson 7/21).
- 9925 BELGIUM BRT; 2252-0100 DT/EG to N.Am. (5 reporters).
- 9988 PERU Estacion 2000; 0050-0115 SP, US pops & LA ballads, anmts few & far between; ID at 0105; f (Atkins-AL 7/31).
- 11670NF FR. GUIANA RFI; 0305-0357* FR/EG, nx, sked (Jordan 7/25, McLemore).

Important! If you say a specific site, please give rationale for saying so!

73. *see*



LOG REPORT

section D

11700 and above

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- 11700 IRAQ R. Baghdad 1945 in AR, chants, "Voice of the Masses" px, //9635 f, 9680 g, 17720 f, 13700 ex, 21585 p, 15200 f (Daly 7/10)
- 11705 SAIPAN KFBS 1400-1430 in RS, rel mx & tk, ID, IS (Bobb 7/27)
- 11710 CANADA RCI 2300-2330 in EG, ID, nx, SWL Digest (Dillon 7/15)
- 11730 UNITED ARAB EMIRATES Dubai 1208 in AR, AR mx & chants, f (Daly 7/21)
- 11730 USSR RMFE 1355 in KR/JP, ID, IS, QRM fr KWTR, //9795 (Park 6/26)
- 11740 TURKEY VOT 0310-0325 in EG, ID, inst TK mx, f-g (McKellar 6/25)
- 11740 PORTUGAL RP 2040 in EG, world nx (Green 7/4)
- 11750 USA BBC via VOA Delano 0128 in EG, "Outlook" px (Park 6/29)
- 11750 IRAQ R. Baghdad 1845-1905 in AR, AR mx, tks, chimes 1900 (Jordan 7/24)
- 11755 TURKEY VOT 2200-2250 in EG, nx, ID, TK mx, QTH (Dillon 7/22), 0202-0312 in TK/EG, into EG @ 0256 (Enkenhus) (Blanchette)
- 11755 ARGENTINA RAE 0200-0300 in EG, ID, mx, //11710, g (Wood 8/5)
- 11760 CUBA RHC 1309-1329 in SP, Castro speech, cmntry, ID (Enkenhus 6/16)
- 11775 SAIPAN KFBS *0900-1010 in RS, ID, relig mx (Jordan 7/7)
- 11780 BRAZIL RN de Amazonia 0052-0135 in PT, ID (Sharpe 7/6, Bobb 7/15)
- 11780 UNITED KINGDOM BBC 1857-1901 in TK, IS (Nathanson 7/22)
- 11785 WEST GERMANY DW 2000 in EG, "Kaleidoscope" (Weinhold 7/6)
- 11790 ALASKA KNLS 1720 in UK, ID in EG (Zilmer 7/22) 1829 in EG (D'Angelo)
- 11790 USSR RM (Simferopol) 2200-2230 in EG, NA svc, (Dillon 7/8)
- 11800 AUSTRALIA RA 1300-1310 in JP, ID in EG, Olympic rpt, nx (Trotto 8/7)
- 11810 FRANCE RFI 1230-1244* in FR, vocals, accordion mx, f (Jordan 7/24)
- 11815 NETHERLANDS ANTILLES TWR 1110-1330 in EG (Bobb, Dillon, Alcorn)
- 11815 LIBYA R. Jamahiriyah 2130-2202 in EG, cmntry, rock mx (Mack 8/4)
- 11840 JAPAN RJ 1815 in EG, "Weekend Focus", QRM jam (Park 7/28)
- 11840 CUBA R. Moscow Relay 2130-2200* in EG, nx, mx (Dillon 7/15)
- 11845 VATICAN CITY VR 0040-0108 in FR/EG, IS, ID, tlks (Dillon 7/25)
- 11845 FRANCE RFI 0750-0754 in FR, ID, freqs, TC (Nathanson 7/23)
- 11855 NORWAY RNI 0015-0030 in EG, ID, "Listener's Letters" (Trotto 8/6)
- 11855 SAUDI ARABIA BSKSA 1204-1213 in EG, nx, ID @ 1213 (Nathanson 7/21)
- 11855 USA WRNO 2247 in EG, ID, commercial, rock mx, g (Trotto 7/17)
- 11870 NORWAY RNI *0000 in EG, NA Service, nx, QRM Sofia (Prath 7/23)
- 11880 SPAIN REE 0000-0158 in EG, sports, mx, cmntry, press review (Blanchette, Mack, Gray, Dillon, Bonnet 8/1)
- 11895 AUSTRALIA RA 1100-1130 in EG, nx (Weinhold 7/6)
- 11905 WEST GERMANY DW 1116-1120 in AR, nx, ID, ex (Nathanson 7/21)
- 11910 SWITZERLAND SRI *2045-2055 in PT, IS, ID, nx, g (Trotto 7/14)
- 11920 JORDAN R. Amman 2332-0100* in AR, phone-in pgm, AR mx and nx, 6 pips at 0000, ID (words muffled), interviews (Reinstein 7/26)
- 11925 PORTUGAL RP 0315 in EG, cmntry on small towns near Lisbon (Gray)
- 11925 CYPRUS BBC relay 1852-1854 in HG, relig tlk, g (Nathanson 7/22)
- 11940 GABON Africa No. 1 2015-2114 in FR, ID's, comm (Dillon, Ponder)
- 11945 NEW ZEALAND RNZ 0340-0530 in EG, nx, features (Alexander, Jordan)
- 11945 ALASKA KNLS 1430 in lang (CH?), pop mx, ID 1457, QTH (Zilmer 7/28)
- 11975 EAST GERMANY RBI 0000-0030 in EG, "Mailbag" pgm (Weinhold 7/23)
- 11955 OMAN BBC relay 0232 in EG, rpt on British Open, f (Daly 7/21)
- 11955nf UNITED ARAB EMIRATES Dubai 1700 AR fanfare, ID, nx, f (Wood 8/2)
- 12005 USSR RMFE (Irkutsk) 1330 in EG, nx, feature (Park 7/21)
- 12010 USSR FE "V. of R. Tikhiv Okean" 1840 in RS/EG, feature (Park 7/28)
- 12015 AUSTRIA ORF 1300 in GM to SW Europe, p (Daly 8/3)
- 12027 ISRAEL Kol Israel 1958-2010 in RS, IS, ID, tlk, f (Bobb 7/29)
- 12030 SWITZERLAND SRI 1127-1132 in FR, mx, nx, g (Nathanson 7/21)
- 12050 USSR RMFE 2102 in EG (Park 7/23) 0743-0800 in RS (Jordan 7/13)
- 12050 EGYPT R. Cairo 1450 in AR, home service, chants (Daly 7/21) 2005 in AR, nx, ID, features (Dillon) 2140-2200 in AR (Jordan 7/9)
- 12070 USSR RM 0510-0540 in EG, cmntry on US nuclear policy (Jordan 7/28)
- 12085 SAUDI ARABIA BSKSA 2030-2205 in AR, nx, ID 2040, mx, g (Enkenhus)
- 12095 UNITED KINGDOM BBC 2120-2130 in EG, mailbag, features (Nathanson)
- 12290sb AUSTRALIA RA via feeder 0530-0550+ in EG, "Jazz Australia" (Jordan)
- 13790 USSR RM *1330-1440 in IN & Telugu, IS, march mx, ID (Jordan 7/24)

14320 ALBANIA R. Tirana 1330-1357* in CH, tlks, mx, p (Jordan 7/12)
15010 VIETNAM R. Hanoi 1600-1635 in EG, nx, features, 1630 in RS (Sharpe)
15040 CLANDESTINE V. of the Libyan People (Egypt?) widely rptd 1750-2240
in AR, anti-Qaddafi speech, militant AR tlks, several ID's sounding
like "Huna sawt al Libi Shabi" (Wood, Reinstein, Daly, Jones, Jordan)
also hrd *0330-0350 in AR, trumpet fanfare, prayers, chants (Jordan)
15084 IRAN VOIRI 2130-2200 in FS, tlk, suddenly off @ 2200, p (Dillon 7/14)
15100 USSR RM via Lvov *1900-2000* in EG, IS, ID, nx, features (Jordan 7/8)
15100 EAST GERMANY RBI 1500 in EG, nx, cmntry, mx, f (Zilmer 7/27)
15105 ANTIGUA DW relay 2130-2230 in PT to Brazil, nx (Dillon, Daly)
15110 USSR RM via Tbilisi 1930-2000 in FR, tlks, ID, mx, f-p (Jordan 7/21)
15115 ECUADOR HCJB 1215 in EG, "Against the Wind" pgm (Alcorn 7/22)
15115 WEST GERMANY R. Liberty 2230-2342 in RS, IS 2300, ID, nx (Dillon)
15120 NIGERIA VON 1110-1201* in EG to NA, Afro mx, ID's, nx (Jordan 7/13)
15125 AUSTRALIA RA 1015 in JP, pop mx, "DX Time" (Park 8/1)
15130 USA WYFR Family Radio 0130-0150 in SP, rel pgm, mx (Hawk 7/17)
15135 BULGARIA R. Moscow via Plovdiv 1050 in EG, nx, mx, ID (Dillon 7/27)
15150 USSR RM via Armenia *0500-0600* in FR, ID, nx, tlks, mx (Jordan 7/7)
15150 CHILE R. Nacional 2005-2030 in SP, futbol, ID, nx (Ponder 7/11)
15160 AUSTRALIA RA 0003 in EG, nx, "You Asked For It" (Park 7/22)
15165 DENMARK RD 2106-2123 in DN, nx, cmntry, ID in EG 2120 (Enkenhus 7/29)
15165 CHINA R. Beijing 1742 in EG, "Let's Learn Chinese" (Park 7/18)
15170 USSR RMWS 1100 in EG, nx, "Newsreel", Kremlin chimes (Park 8/1)
15170 TAHITI Papeete 0130-0310 in FR/TT, island mx (Hawk, Jordan, Dickson)
15175 USSR RM 0200-0230 in SP, mx, nx, cmntry (Hawk 7/21)
15180 SAIPAN KYOI 0340 in EG/JP, rock mx (Hazeltime 8/1)
15180 USSR R. Kiev *2330-0210+ in EG, nx, cmntry (McKellar 7/26, Park 7/29)
15180 USSR RMFE via Khabarovsk 0305 in EG, nx, preview of speech (Park 7/22)
15180 USSR V. of Yerevan 0240-0257* in AM/EG, mx, ID (Park, D'Angelo 7/25)
15190 SWEDEN RSI 1400-1410 in EG, nx, DX pgm, mailbag (David, Alcorn 7/29)
15190 BRAZIL R. Inconfidencia 2230-2315 in PT, lively mx, commercials,
futbol game, QRM from R. Canada (Dillon 7/28, Alexander 7/16)
15200 FRENCH GUIANA RFIrelay 2305 in SP, nx, press review, //15180,
(Park 7/29) ED: RFI Paris is listed here in WRTH. Do we have a
positive ID on QTH of xmsn? Sounds likely since xmsn is in SP.
15205 USA VOA Greenville 0055 in EG to LAM, Demo convention (Park 7/20)
15210 NORWAY RNI 1300-1315 in EG, features, freq skeds (Zilmer, Alcorn)
15210 USSR R. Yerevan 2130-2200 in AM, IS, tlks, folk mx (Jordan 7/9)
15220 TURKEY VOT 1135 in TK, TK mx, tlks (Prath) *0400-0410 in TK, IS, ID,
nx, g (Trotto 7/14)
15220 NORWAY RNI 2200-2223 in EG, ID 2200, nx, folk mx in NO (Enkenhus)
15250 PHILIPPINES VOA(UN) 1015 in EG, "UN Calling Asia" (Park 7/28)
15270 TAIWAN VOFC 2215-2240 in EG, orch mx, CH lesson, exc (Atkins 7/21)
15280 USA KGEI 0115 in SP, classical mx, tlk, ID 0129 (Dillon 7/28)
15280 SINGAPORE BBC relay 1043 in EG, rel svce, QRM (Park 7/22)
15290 BRAZIL R. Nacional 0110-0200 in SP, 0200-0300 in EG, ID, IS, nx,
cmntry, tlks (Dillon, Bobb, Wood, McKellar, Gray, Dickson)
15295 BRAZIL R. Nacional 0210-0215 in EG, jazz mx, nx, wx, cmntry
(Hazeltime 6/25, Alcorn 8/2) ED: Brazil must use alternate freqs.
15315 FRANCE RFI 1600 in EG, pol cmntry, //17620 (Gray 7/24)
15315 GABON R. Japan relay 0445 in IT, ID "Qui R. Giappone" (Wood 8/3)
15320 UNITED ARAB EMIRATES Dubai 1800 in AR, ID, nx after fanfare (Wood 8/2)
15320 AUSTRALIA RA 0040-0230+ in EG, nx, mx, features, spec Olympic
coverage (Dickson, McLemore, Dillon, Dickson)
15325 SEYCHELLES FEBA 1500 in EG, nx, varied mx, QRM, f-p (Park 7/14)
15325 CANADA RCI 1940 in EG, "SWL Digest" at ANAR conv '84 (Park 7/29)
15335 ROMANIA R. Bucharest 0700-0715 in EG, nx, ID, mailbag, f (Trotto 7/6)
15340 NORTH KOREA R. Pyongyang 0800 in EG, freqs, pgm review (Park 7/22)
15345 USA APRTS Delano 1832-1835 in EG, AP nx, //to weaker 15330 (Ponder)
15345 ARGENTINA RAE 0200-0300 in EG, ID, NA Svce, DX pgm, editorial about
area in dispute w/Chile, nx, mx (Daly, Alcorn, Bonnet, Dillon, Dickson)
15345 SOUTH AFRICA RSA 1620 in DT, nx mag, ID, "Panorama" (Park 7/12)
15365 INDIA AIR 1250 in CH, local mx, ID, nx at 1300, //11810 (Park 7/21)
15385 ITALY RAI 1904-1915 in IT/AR, ID, IS chimes & bird calls (Ponder 7/11)
15390 UNITED KINGDOM BBC 1304-1313 in HG, nx, EG lessons, ID (Nathanson)
15400 FINLAND RF 1200-1225 in EG, "Northern Report", nx, wx (Dillon 7/28)
1428-1440 in SW, ID in EG (Bobb 7/26) 0325 in EG, ID (Gray 7/25)
15405 USSR R. Kiev 2330 in EG, nx, cmntry, f (Zilmer 8/4)
15410 USA VOA Greenville 1835-2150 in EG, nx, reports (McKellar, Ponder)

15425 FRANCE RFI 2330-2340 in FR, nx items, f w/fading (McKellar 7/19)
 15425 USSR RMFE 0300 in EG, Nam svc, IS, nx, text of Castro speech (Park)
 15430 MEXICO RMI 0158-0230 in SP, piano mx, ID 0159, freqs (Dillon 7/28)
 15435 UNITED ARAB EMIRATES Dubai 0332-0400* in EG, nx, ID 0344 (Enkenhus)
 15435 BRAZIL R. Nacional Brasilia 2242-2315 in SP, mx, ID, skeds (Mack 7/29)
 15440 FRANCE RFI 0030 in SP, LAm xmsn, nx, ID (Dickson 7/16) 0315 in EG,
 world & local nx, //9790 (Zilmer 7/28)
 15445 WEST GERMANY R. Liberty 0148 in RS, ID "R. Svoboda" (Dillon 7/28)
 15460 USSR R. Tashkent 1200-1212 in EG, xmsn to So Asia, nx, cmntry on
 US arms policy and economic matters, p (Jordan 7/13)
 15485 NEW ZEALAND RNZ 0225-0335+ in EG, pop mx, TC, features, ID's,
 short story (Enkenhus 7/14, Witzig 7/10, Gray 7/24)
 15530 USSR RMWS 0720-0730 in EG, cmntry, feature on Soviet Union (Trotto)
 15560 NETHERLANDS RN 2213-2236 in DT, tlks, relig svc, g (Mack 7/29)
 15570 SWITZERLAND SRI 1313-1315 in EG, ID, TC, g (Nathanson 7/17)
 15600 USA VOA Greenville 0814+ in EG/FR/Hausa, IS, pgm previews, freqs,
 cmntry on presidential campaign, QRM (Park 7/20)
 15600 LIBERIA VOA relay 1610 in EG, "Miss America Gives Up Title" (Gray)
 15650 CLANDESTINE R. Iran 1910 in AR, AR tlk w/occasional marching sounds,
 at 1916 also hrd on 11640, at 1922 15650 suddenly off but 11640 on
 until 1930 s/off. See "Listener's Notebook" for details (Daly 7/10)
 17620 FRANCE RFI 1600 in EG, nx of elections in Israel (Gray 7/24)
 17690 CUBA RHC 1730-1740 in FR, inst mx, exc (McKellar 7/12)
 17700 USSR RM 0313+ in EG, comparison of USSR/USA arms positions (Witzig)
 17710 CUBA R. Moscow relay 1850-1935 in RS/SP, ID's, TC, nx (Jordan 7/25)
 17740 PHILIPPINES VOA relay 0025 in EG, Reagan press conf (Park 7/25)
 17745 ALGERIA RTVA 2005-2135 in EG/SP/FR, nx, mx, interviews (Jordan 7/24)
 17755 JAPAN NHK *0256-0325 in EG, IS, ID, nx, press cmntry (Enkenhus 7/10)
 17790 ECUADOR HCJB 1910 in EG, "Musical Mailbag" (Park 7/28) 2025 in SW
 and FR, tlk, mx, ID in EG 2029, relig mx (Dillon 7/14)
 17790 UNITED KINGDOM BBC 1214-1217 in EG, "Jazz Record Request" (Nathanson)
 17795 CUBA RHC 0325 in SP, lively LAm mx, IS, ID, nx (Dillon 7/8)
 17815 BRAZIL R. Cultura 0048-0100 in PT, tlk & guitar mx, ID (Bobb 7/14)
 17820 CANADA RCI 1911 in EG, "Midweek Mailbag", p (Park 7/11)
 17839 PAKISTAN RP 0229-0245* in EG, nx at dict speed (Tow 7/8)
 17870 LIBERIA VOA relay 1640-1715 relay, tlk on African athletes in the
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 17880 SINGAPORE BBC relay 0915 in EG, "Waveguide" and "Good Books" (Park)
 17885 CUBA RHC 1955-2005 in FR, steel band mx, ID, nx (Dillon 7/14)
 17890 TAIWAN VOFC 0115 in EG, ID, pgm on weddings (Park 7/21)
 17910 LIBYA V. of the Sudanese Revolution 1607-1635 in AR, martial airs,
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 21450 USSR RM 0908-0910 in EG, ID, propaganda, //21585, 21670, 21715,
 21740 (Nathanson 7/21)
 21480 MADAGASCAR RN relay 1140 in IN, hymns, relig pgm (Park 7/8)
 21480 ECUADOR HCJB 1900-1920 in EG, "Musical Mailbag", ID, tlk about
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 21660 ASCENSION ISLAND BBC relay 1440-1600 in EG, xmsn to So Africa,
 BBC newsreel, tlks about musical compositions (Jordan 7/26)
 21685 NETHERLANDS ANTILLES RN relay 1833-1855 in FR, nx, tlk about agri-
 cultural production in Africa, mx, sports tlk (Dillon 7/14)
 21725 USSR RMFE 0830 in EG, nx, "Science & Technology" (Park 7/23)

 Reports listed in the August FRENEX have not been repeated this month.
 Please refer to that issue for a total update of recent loggings.

LOG

REPORTERS

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Thanks to several first time contributors as well as a pretty good turnout from the regulars. It was great to meet many of you at ANARCON 84 in Toronto. A tip of kap's cap to the Ontario DX Association group who did a super job of organization and were such superb hosts.

Here's some AWARDS info. We now have the Country List and Awards rules in stock. For a limited time we're offering them for just the cost of postage, 37¢ in the U.S. and Canada, \$1.00 or 2 IRC for the rest of the world. When the stock at hand is exhausted, we'll be reprinting and the price will then have to go to the regular \$2.00.

Just to clear up a point, the Awards are \$1.00 in North America, \$2.00 for the first and \$1.50 for each additional for the rest of the world. IRC are acceptable at the exchange rate of 40¢ each. All Awards are mailed flat with a protective chipboard insert to avoid damage in the postal system. QRP upgrade seals are an SASE in the U.S., 20¢ in Canadian stamps for Canada and 40¢ or 1 IRC everywhere else.

To our foreign participants, we will accept mint stamps of your country equivalent to the airmail rate for a letter to the U.S. @ 40¢ U.S. each. We can always use them for return postage for our reports to HAMS, UTES and the like.

BEST, Kap

HAP BID ITEMS: #910:Radio Prague double sided cloth pennant(3,5x6.5")red,white,blue.
#911:Norea Radio paper pennant(3.5x8")red,white,blue.#912:RFI double sided plastic pennant(4x8")red,white,blue.#913:Radio Mexico old style cloth pennant(6x8.5")m/c-very nice!
#914:RNE(Spain)old style cloth pennant(5.5x11")m/c-beautiful!#915:NBC(Papua)paper pennant(3x6")brown,yellow.#916:Radio Universidad de Concepcion(Chile)cloth pennant(2.5x3")m/c.#917:RBI(DDR)blue and white cloth hat.#918:Viking Radio paper hat,red,white,blue.#919:WKQQ cloth hat,B&W.#920:MTV metal badge(1"cir)m/c.#921:Radio Hallam(UK)metal badge,(2"cir)m/c-nice!#922:Radio Orwell(UK)metal badge(2"cir)blue,white.#923:Radio Leeds(UK)"Owl"plastic badge,red,white,blue.#924:DC-101 T-Shirt(M)red,B&W.#925:Radio Sweden cloth pennant(4x9")blue,yellow.#926:RSI paper pennant(4x9")blue,yellow.#927:Viking Radio decal(2.5x10")m/c.#928:BBC Radio Highlands(Scotland)decal(2x10")m/c-nice!#929:BBC Radio Two decal(2x11")m/c.#930:RBI pin,blue,silver.#931:Radio Polonia pin,red,silver,white.#932:KTXQ metal badge(1.5"cir)m/c.#933:BRNB(UK)metal badge(1.5x3")red,B&W.#934:ESPN metal badge(1.5"cir)red,white.#935:CBQ plastic badge(2"cir)red,white,blue.#936:HTV(UK)key chain,blue,white.#937:2CH(Australia)leather key chainm/c-beautiful!#938:Radio Sweden poster(12x17.5")m/c-nice!#939:MTV T-Shirt(M)m/c.#940:CJSH poster,red,B&W-very sharp!#941:KMET large poster,m/c-beautiful!#942:KVLVR "golf tee",green,white.#943:Radio Norway sticker(3x4.5")red,white,blue.#944:KIFM T-Shirt(M)blue,black.#945:WRCK T-Shirt(M)blue,yellow,(3x4.5")red,white,blue.#946:WRIF T-Shirt(M)B&W.#947:WBSB T-Shirt(XL)blue,white,yellow.#948:KLOS T-Shirt(S)m/c.#949:KIAC large poster,m/c.#950:RCI(Canada)QSL cards,m/c-super package!Total of 11 different!!#951:Radio Bucharest(Romania)key chain,m/c-nice!#952:Radio Bucharest pin(small)m/c.#953:Radio Bucharest pin(large)m/c.#954:WJGS plastic key chain,blue,white.#955:WHR metal badge,green,white.#956:Moray Firth Radio(Scotland)decal - over 4 feet long!green,white.#957:Radio 210(UK)decal - over 4 feet long!gold,brown.#958:Radio Forth(Scotland)decal - over 4 feet long!blue,white.#959:Pennine Radio(UK)decal - over 4 feet long!green,white.#960:BBC World Service newreaders card(4x6")m/c-very nice!#961:Radio Time(Italy)decal(2x6.5")red,white.#962:NNRC sticker,m/c, out of print!#963:CBC Northern Service vinyl pennant(3.5x8")blue,white.#964:DLF(FRG)sticker(4x6")m/c.#965:KFOR decal(5x5")m/c.#966:WTOS plastic ID card(2x3")m/c.#967:Radio Korea decal(2.5"cir)m/c.#968:Radio Panda Milano(Italy)sticker(1x9")m/c.#969:RNE(Spain)very large soccer poster,m/c.#970:BBC Radio Merseyside(UK)decal-over 4 feet long!green,white.#971:Radio Hallam decal over 4 feet long!blue,white.#972:Radio City(UK)decal-over 4 feet long!red,white,green.#973:Capital Radio(UK)decal-over 4 feet long!blue,white.#974:Downtown Radio(Norther Ireland)decal-over 4 feet long!blue,white.#975:RTE Radio Two(Ireland)decal-over 4 feet long!green,white.#976:WOBL sticker(5x8")red,white,blue.#977:Voice of Turkey cloth pennant(4x8")m/c-nice!#978:RFI(France)cloth hat,red,white,blue.#979:Springbok Radio(South Africa)paper visor hat,green,yellow.#980:BBC "50th Anniversary" metal badge(2"cir)red,white,blue.#981:ANARC metal badge(1.5"cir)B&W.#982:ANARC pen,B&W-nice!#983:RBI plastic badge(2"cir)blue,white.#984:Radio Bucharest cloth pennant(4.5x6.5")red,orange.#985:Telecom France large cloth carrying bag(16x16")red,white,blue.#986:Radio Beijing large cloth carrying bag(13x15")blue,white-striking!#987:RFI large plastic bag(16x16")red,white,blue.#988:BBC posters 3 different!#989:KQSB(Pirate)QSL card w/ ltr. QSL-very nice!#990:Radio Earth International pen,red,gold.#991:Radio Earth sticker(3x12")B&W.#992:Radio Earth QSL card(3.5x5.5")B&W.#993:Radio Canada 1967 "Listeners Corner" card autographed by Earle Fisher!#994:KBPS 6 different 8x10" B&W studio photos-very nice!!#995:CJBK sticker(4x6")m/c.#996:CFTR sticker(3x8.5")red,white.#997:WLUM sticker(4x13")m/c.#998:Signal Radio(UK)decal(2.5x9")m/c.#999:WNOV sticker(3x11")B&W.#1000:KLOK ball-moon,brown,B&W.#1001:CKRD pen,yellow,blue.#1002:KLVL Radio Morales pencil,B&W.#1003:KLOL "Head On"sticker(3.5x12")m/c.#1004:KFRD sticker(4x7.5")m/c.#1005:KIAT sticker(3x11")red,B&W.#1006:KEYH sticker in Spanish(3x13")m/c.#1007:NBC(Papua)sticker(2x4.5")gold,white,brown.#1008:Capital Milano Radio(Italy)sticker(1x9.5")red,white.#1009:Radio Centro 95 (Italy)sticker(4"cir)m/c....Quite a selection this time. Hope you find something...Sam.

ADDRESS: Send your bids and orders for direct sale items to: Sam Barto, 47 Prospect Place, Bristol, CT, USA 06010.

HAP DIRECT SALE ITEMS: The following stickers/decals are available for \$.25 each or any five(5) for \$1.00: Radio Milano,WQMR,WLUP,WQFM,KROY,WECK,WBLS,KLOS(Too Hip)(Party Animal)(Yes)(Yes-3),Mercia Sound,WNVW,WBWA,WNBC,KTTS,KMJK,KDKD,RCI,KBO1,WIBA,WQME,WJNC,ANARC(large)(small),WPRE,WQYK,WRCC,WAYL,WAZU,WQFL,Cub Radio,KHAR,WRNO,WNET,WFIW,WGLB(gold)(silver),WGST,CKNW,WBCS,96-Rock,TV-20,WHRG,WYXX,WAQY,WLPX,WIMJ,WRSV,WCAU,WEMP,WLPX,WOOS(large)(small),KRLA,KBDF,WAYL,WNYR,CRFA,CKCK,Radio Peking(green)(m/c)(blue)(white)(black),Signal Radio,CHOO,Telecom-Genève,WFMK,WKKB,KISS,Radio Superstar,Radio Nederland(square)(cir),Metro Radio,Polskie Radio(m/c)(gray),RBI(gold)(silver)(large),Radio Caroline(black)(white),RFI(blue)(red)(cir)(large),RBI DX Club,Deutsche Welle(blue)(green)(white),BRT(cir)(silver),Radio London,2CH,RTE-2,WYFR,Radio Bucharest,Radio Vatican(pope)(cir)(square),WDR,RNE(TV)(square),FM-105,KILT,KNUZ,KQUE,KRBE,KGOL,KLVL,KIKK,102-FM and KEYH.

ADDITIONAL DIRECT SALE ITEMS: The following items are available at the quoted prices: KREM,Z-93,WPLJ and WGBB plastic ID cards at \$.50 each: the following stickers are \$.50 each:Radio El Mundo,Radio Vatican pennant,Voice of Free China pennant,4MK,World Communications Year,Tele-Com Geneva,City-TV Koblenz...The following items are \$.25 each: RCI QSL cards(Council)(IBY)(McCluhan)(Cartier),Radio Peking bookmarks and RBI bookmarks. We also have beautiful ANARCON-84 posters for \$1.00 each.

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