

FRENDX



Confirming your reception report of this station.

Freq: 11760 KHZ
Date: 9 SEPT 1982
Time: 0627-0705 GMT
Pwr: .500 W

Many thanks and best wishes,
NAOROA E. TANGAROA
DIRECTOR & CHIEF TECH.
COOK ISLANDS BROADCASTING AND NEWSPAPER CORPORATION



NOUVELLE CALEDONIE

22° 18' 04" S

New Zealand

N.Z. BROADCASTING CORPORATION

Director: G. H. Stringer

Director of Engineering: W. L. Harrison

SUPER ROCK STATION

KYOI

New Music From L.A.



Herkimer

the transmission from ZL
We are very pleased to verify

(J. L. Hartstonge)
District Manager
N.Z.B.C.
Broadcasting House
Box 2396, Wellington, N

TRANS WORLD RADIO

P. O. BOX 3518, AGANA, GUAM 96910

KTWR SHORTWAVE

KTWG MEDIUM WAVE



INTERNATIONAL GOSPEL BROADCASTS



OFFICE DE RADIODIFFUSION TELEVISION FRANCAISE

NASWA

HEADQUARTERS REPORT

NORTH AMERICAN SHORT WAVE ASSOCIATION

46 WILDFLOWER ROAD, LEVITTOWN, PA. 19067

JAPANESE MEMBERS...HELP!

Last month I received a request for information on NASWA/FRENDX from a gentle in Osaka. He supplied his own mailing label which I put on the envelope, but the package was recently returned marked "INSUFFICIENT ADDRESS". The mailing label read "Hidekazu Hirano, Higashi-Sumiyoshi-ku, Osaka-shi, JAPAN 546. Any help you can give me in contacting this gentleman will be appreciated.

GOOD READING

Publications which might be of interest to NASWA members are:

"Tail Gunner on a Superheterodyne" by Larry Brookwell who is Director of the International DXers Club of San Diego. This is the expanded book form of the "Odyssey of an Aficionado" series which was originally printed in the IDXCSD bulletin and it's quite a story. The book is now available for \$8.95 plus postage (First Class USA/Can/Mex \$2.07. Third Class USA only \$1.15. Overseas rates are higher). Write to Larry Brookwell, 1826 Cypress Street, San Diego, CA 92154-1154.

Electra Company, marketer of the new Bearcat DX-1000 SW radio, has a free eight-page booklet titled "Dial in the World as Easy as Dialing a Phone". The booklet is designed to provide existing and potential new listeners with a quick, digestible overview of SW Radio. For your free copy write to Electra Shortwave Booklet, 300 East County Line Road, Cumberland, IN 46229.

Miller Publishing is the only U.S. company devoted exclusively to producing books on International SW Listening and October marks the availability date of "Radio Nederland" by Robert D. Haslach, "Tune In the World" by Kenneth D. MacHarg, and "Introduction to International Broadcasting" by various contributors. These books measure 8" x 11" and are printed on high-quality paper. They are available only from the publisher at US\$11.99 plus \$1.50 postage in the U.S. and \$2.50 postage outside the U.S. PA residents must add 6% sales tax. For more information write to Miller Publishing, 424 West Jefferson Street, Media, PA 19063.

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Hammarlund HQ-180A with matching speaker and KRS digital display unit, complete set of tubes, Mizuho SX-59 Preselector, and original manual and carton. All in mint condition for \$450.00 plus shipping. ALSO R390A URR with cabinet. Comes with manual and SSB adaptor. In very good condition for \$300.00, pick up only. Stephen Leite, 190 Healy Street, Fall River, MA 02723. Phone (617) 675-2830 from 2100 to 0200 GMT.

FOR SALE: Brand new Kenwood R-2000 purchased one month ago from Electronics Equipment Bank who modified the receiver with a mechanical filter. Modified unit sells for \$624.00, I will sell this one for \$495.00. There are still five months left on the combined Kenwood and EEB warranty. Shortly after buying this unit I had the opportunity to acquire a more elaborate system so the Kenwood is now surplus. Manny J. Neff, Gwynedd Plaza 1, Bethlehem Pike, Spring House, PA 19477.



Shortwave Center

October 1983

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

A new season is underway, and to start things off our resident expert on clandestine DX, Steve Reinstein, checks in with a report on the Junta Patriótica Cubana, former SWC editor, Al Sizer, takes on the neglected DX target of Brazil, Bill Plum fills us in on Radio Baha'i in Ecuador, Bob Rankin has more on "that fire", Adrian Peterson, of AWR-Asia, goes in search of our CL, Chuck Oliver reminisces on his years in the hobby, Bill Cole comes through with his program for VIC-20 owners, plus a few tidbits sprinkled here and there....



JUNTA PATRIÓTICA CUBANA

P.O. Box 350-492 - Riverside Sta. Miami, Fla. U.S.A. 33136

Yugo O Estrella

by Steve Reinstein, 7753 Harbour Blvd., Miramar, Florida 33023

The slogan "Yugo o Estrella" ("Slavery or Star") first stimulated my curiosity a couple of years ago, while exiting the Palmetto Expressway, in Hialeah, FL. The slogan, along with a five-pointed star (from the flag of Cuba), was emblazoned upon the wall of the exit overpass. I have recently come to realize the the symbol "la estrella con cinco puntas" is the mark of the Cuban exile organization Junta Patriótica Cubana (Cuban Patriotic Council).

The Junta Patriótica Cubana first gained notoriety in the DX world in the spring of 1980. Their clandestine shortwave radio station "Radio Mambi, La Voz de la Junta Patriótica Cubana" hit the airwaves during the height of the Mariel boatlift, when thousands of Cubans fled their homeland in search of a better life. Radio Mambi continued to operate on an irregular schedule until early 1982. It was then that the FCC closed down their clandestine Miami transmitter site. However, in July 1983 Radio Mambi was reactivated on a fairly regular basis! And, through the end of August, they have operated on weekdays at 0000 GMT, on 7076 kHz. They also announce a broadcast for 1100 GMT but I have yet to hear this one. They give the address as: Apartado 68045, Caracas, Venezuela. After hearing several of their recent broadcasts, I decided to fire off a reception report to the J.P.C. address listed in the Miami Telephone Directory. I wanted to add their QSL to my collection of clandestines, and too, I wanted to alert them of a problem they have with their transmitter. The audio is cracked and garbled, and I've noted huge spurs in the range of 6550-6640 and 7520-7610, equidistant from their nominal frequency.

Two weeks later the QSL package arrived; my "Kenosha" card signed and stamped by Ceferino Pérez, a member of the J.P.C. Permanent Assembly, a letter from the esteemed J.P.C. President, Dr. Manuel A. de Varona, and several brochures in answer to my questions regarding the functions of the J.P.C.

The Junta Patriótica Cubana is a coordinating force within the active Cuban exile community. They are simply a supplement to the organizations (200 of them by their claim, of which 130 are listed in the brochures) which participate within their sphere of coordination. Ideologically, the J.P.C. and it's members want "social and economic democracy with full national sovereignty, independent from the hegemonous blocks of world power". They reject all totalitarian regimes whether right or left wing. Their primary goal is to bring democracy and free enterprise to Cuba.

As for YUGO O ESTRELLA, let me quote directly from the J.P.C.: "The revolutionary symbol and logo of the CUBAN PATRIOTIC COUNCIL will be able to capture not only the popular attention, but it will be a catchy and easy expression of rejection of international communism which enslaves the Island. Our logo: SLAVERY OR STAR. Our symbol of rebellion is the Cuban five point star. This national symbol should be placed in as many public and private places as possible in Cuba. It should be reproduced, with little risk, by Cubans in the Island. A pencil, a piece of chalk or coal would be sufficient to imprint this symbol of popular rejection and rebellion. It would be a means of expressing solidarity with the cause of so many men and women fighting for freedom in Cuba. With God's help we will salvage our Island, our flag, and our star".

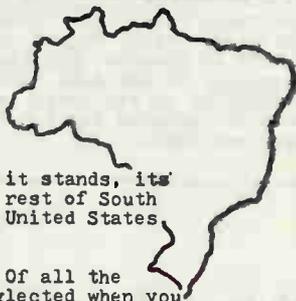
The J.P.C. has representatives in 13 states and 9 countries. The best bet for a QSL is at: P.O. Box 350492, Riverside Station, Miami, FL 33135. *73 de Steve*

BRAZIL

by Al Sizer



RÁDIO
APARECIDA



Maybe it's because it's so formidable. There it stands, its 3,286,470 square miles almost as large as all the rest of South America, its land mass bigger than the contiguous United States. It bulks large.

It bulks even larger as a shortwave target. Of all the countries on the globe it is probably the most neglected when you consider that the 1983 WRTH has 191 shortwave listings for Brazil. (Some of these, of course, represent duplicate listings for the same stations on different frequencies.)

The prime targets for experienced DXers in this country, and perhaps nearly everywhere in the world, are Indonesia, Peru and Bolivia. They all have a lot of shortwave outlets in the tropical bands, many low powered, but Brazil fills all these requirements too.



DXers romanticize about and exult in catches from Indonesia and Peru but not from Brazil. Loggings from the big country are pretty well down the list in the monthly compilations of shortwave club bulletins.



As sparse as the loggings are, the quantity of QSLs reported is even scantier. Many of the listeners who log Brazilian stations don't even bother to send in reception reports.

To complete the negative picture, information available and published on Brazilian stations is less in quantity, less accurate and more apt to be out of date than from other countries.

So why is the country not DXed more? Is it just that everyone is intimidated? Let's try to sort out some of the causes.

Undoubtedly, one of the main reasons is the language—Portuguese. Although as a Romance language it is a lot like Spanish, it doesn't sound like it and people in this country, for one, feel a lot more comfortable with Spanish because of the Hispanic immigration and influence. "Portuguese," said a friend of mine, "sounds like someone speaking Russian through his nose."

Have you tried to find a paperback Portuguese dictionary in this country? Not easy. You have to go to a university or very large book store. On the other hand, I can pick up a Spanish dictionary at my neighborhood drug store.

RÁDIO CULTURA DE CAMPOS LTDA.

2ª J - 431 - ONDAS MÉDIAS 1110 KHz 5000 W ONDAS CURTAS 4.955 KHz 3000 W
C G C 28 945 228 0001 73
AV. CARDOSO DE MELO, 301 B - ANTIGA AV. 24 DE OUTUBRO - TURF CLUB
PABX - 734851 - CAMPOS RJ

BRAZIL (cont'd)

A DX friend of mine explained his admitted poor record with Brazilians, as compared with the rest of Latin America, this way: "I would rather not go after the Brazilians until I have acquired the necessary skills to do it right---basically that means having a working knowledge of Portuguese equivalent to that which I now have in Spanish. When I do finally decide to go for Brazil then I will have the motivation to seriously set out to learn the skills and develop the tools."

RADIO CULTURA DE CAMPOS
OM 1.110 KHz 5.000 W - OC 4956 KHz 2.000 W
AV. 24 DE OUTUBRO, 201-B - FONE: 22-8544

Another DXer said: "The part that really turns me off is the Portuguese language. I hate to write Portuguese reports. This even to the point where I frequently had good loggings of a Brazilian station but never got around to writing a report."



The prevalence of the above attitude undoubtedly explains the dearth of Brazilian QSLs reported in club bulletins.

Let's not be too negative about the language, however. I'll admit it's not the most euphonious sound that ever fell on my ears (French and Vietnamese rate high with me) but for conveying raw excitement it can be hard to beat. I've often stopped dead while scanning the bands to hear an announcer describe a "futbol" (soccer) match. The scoring of a goal becomes a thespian masterpiece in his emotional description.

There are other obstacles to Brazilian DXing.

"IDs are hard to come by and hard to understand," reports one DXer. "Multiple stations on the same frequency make it difficult to determine which you are hearing. And there seems to be so much misinformation around about Brazilian shortwave."

"I have a hell of a time identifying Brazilians," complains still another listener, "because of their tendency to go on for hours without giving an ID that I can recognize."

Radio Difusora Taubaté Ltda

RUA DR. SOUZA ALVES, 980 - TAUBATÉ - S. P. (300 018) - 22-6565 - FAX 20 RAMAHS
SEDE PROPRIA - CEP 13400 - DSC 72 288 888/0001-2

There is still another drawback to Brazilian DX, depending on what part of the country or world you're listening from. That's the time frame.

The best chance to log some of the low powered, low band Brazilians is around sign-on time which is often 0830 UTC and sometimes 0800. In summer this is 4 a.m. EDT and in winter 3 a.m. EST and even earlier if you live to the west.

Even on the West Coast 1 a.m. and 12 midnight are not conducive to intensive day-in, day-out DXing. Says a Californian: "I would have to change my work habits completely to work on them. They also fade in and fade out much earlier than the other Latin American stations."

"In my location a Brazilian can go from S-9 to S-1 in 15 minutes. Many is the time I started to copy one around 0900 with a great signal only to find it was gone completely by 0920 and I didn't even have an ID."

RADIOBRÁS



EMPRESA BRASILEIRA DE RADIODIFUSÃO S/A
Viciada no Ministério Das Comunicações

That pretty much sums up the arguments against DXing Brazil, but the fact remains that there is one hell of a lot of good DXing out there that just isn't being done. I think we should all take a second look at Brazil and try to do better.



A good start would be to seek and publish better information about shortwave in Brazil. We could use a good list of stations, for one thing. And band scans. Better information on how to identify and report to Brazilians and some new Portuguese report forms.

Muito obrigado. I think that means "thank you very much" in Brazil but I wouldn't guarantee it because like almost everyone else I have a great big lack of knowledge about that country, especially when it comes to shortwave.

RADIO BAHÁ'I DEL ECUADOR

"elemento de integración social"

Frecuencia: 1420 kHz MW
4990 kHz SW 60 mts.

Teléfono 645
Apartado 14

Estaciones: HCRN-1

OTAVALO - IMBABURA - ECUADOR

Radio Bahá'í del Ecuador, Otavalo, Imbabura, Ecuador
by Bill Plum (124 Hillside Terr., Irvington, NJ 07111)

Radio Bahá'í broadcasts on shortwave on the frequency of 4990 kHz. (4996 kHz.), international 60 meter band from Monday to Saturday, 7:00-11:00 p.m. local time (0000-0400 UTC).

Yes, we verify reception reports, says Executive Manager Marcelo Quinteros K., and to confirm the details of your report you will be sent our QSL card and a Radio Bahá'í poster done by the famous Ecuadorian artist, Germar Favón who presents a scene of an indigenous family of Imbabura province listening to Radio Bahá'í on medium wave (this poster is a real beauty!). This radio station is dedicated to the task of rural development operating under the auspices of the National Spiritual Assembly of the Bahá'ís of Ecuador.

Technical information is as follows: power: 1 kw., call signs: HCRN-1 and HCRN-2; antennas are tower type, for medium wave, situated 3100 meters above sea level and for short wave, 3500 metres above sea level; studios and transmitters are linked via microwave system, audio processed.

Now something about Otavalo: Otavalo is in the province of Imbabura and known for its very rich indio-american heritage. The indigenous Imbaburan ethnic groups are commonly called Otavaleans, but there exists more than 20 of them throughout this territory with different customs, dress, and economic, social and cultural systems.

Imbabura has 26 lakes and lagoons. Lake Cuicocha is situated in the southern part of the Cotacachi hills at an elevation of 3068 meters. The lake fills an old mountain crater, in the middle of it two islands rise up by the Dream Canal; the eastern one is very small, the western one is very large and covered with a maze of vegetation where some animals like rabbits and deer reside. Lake Cuicocha is 3.2 km. by 2.3 km. in size, its water level is 3081 meters above sea level.

From the lake's borders you can see Radio Bahá'í's short wave antenna which is 36 meters high and it would be unpardonable if you didn't bring a camera to capture this unforgettable view.

To its historical credits Otavalo celebrated 159 years from its founding this June 25th, the Liberator Simón Bolívar gave it the classification of city on October 31, 1829.

(the above was taken from a letter rec'd. from Radio baha'i and translated from the Spanish by Bill)

Bill also mentions the reports heard over HCJB regarding erratic mail service in Ecuador, especially the capitol. Yet, Bill has recently received verifications from both Baha'i and Jesús del Gran Poder, the latter in Quito. So what gives? Draw your own conclusions gents, but my own policy is to save the theatrics for the report inside and leave the envelope plain and modest. Mail theft is notoriously spotty in LA. (JH)



Editor's note: It's not often we get a chance (or offer) to profile a DXer and NASWA member. Chuck Oliver, however, has kindly agreed to give us a glimpse of his nearly 60 years in the hobby. Along with his story, he sent a picture (below) plus several QSLs from the '50s. I'm sure Chuck would like to hear from other "veterans"....his address is 1314 Sawdust Road, #4, Spring, Texas 77380.(JH)

My interest in radio DXing started in 1924, when a merchant in the small town where we lived, got the first radio I ever heard. My family was invited over to hear the wonders of the airwaves. I soon graduated to crystal sets, then bought the first real radio I ever owned, a 4-tube Browning-Drake circuit, which used a storage battery plus "trickle" charger for power.

By this time I had moved to Houston, and a neighbor had a homebuilt shortwave radio which I was privileged to listen to. I remember catching EAQ, Madrid, on 9360 kHz, a frequency still used by them. Also caught London, whose call letters began with "G", VK2ME, Melbourne, Australia, and ZL9, Wellington, New Zealand.

(At the right is a photo of Chuck taken in 1936 with his McMurdo-Silver radio)



Before the advent of the VOA, U.S. stations were privately owned. I can remember WBXO, owned by WLW; also stations in Pittsburgh, PA, owned by KDKA; Schenectady, NY, owned by General Electric; and Bound Brook, NJ, owned by then WJZ.

The first shortwave radio I ever owned was a McMurdo-Silver, which I won in a national contest sponsored by Prophylactic Toothbrush, in 1936. Probably my most prized verie was logged on that radio, ZMBJ, a passenger ship plying between the two New Zealand islands. They broadcast from the ship's ballroom. Incidentally, most of my collection of verifications was destroyed when a car ran into and through my garage. I never did rescue them from the rain-drenched ruins.

SOUTH AFRICAN BROADCASTING CORPORATION
P.O. Box 4559, JOHANNESBURG
SOUTH AFRICA

QSL with
Compliments

SABC

OUR STATION ZEO
WBS HEARD BY
YOU ON 30.75 METERS 5.748 Mc
AT 5.27 AM on 7th October 1930
J. P. ...
CHIEF ENGINEER

Other radios which I have owned include a small Hallicrafters, a converted aircraft radio - BC348, and now a Kenwood R-1000.

I was a subscriber and sometimes contributor to the old Radex magazine. Each month I waited for the list of new station construction permits and power changes. Of course, these were medium wave stations. I also belonged to the Canadian DX Relay League.

Since DXing is my hobby, I include TV as well. I have seen almost 50 out-of-town stations, about half of which are verified. These include Denver, Fargo, ND, Minneapolis, Syracuse and Havana. A rotor on my antenna and freakish atmospherics get most of the credit.

At this writing, I am 72 years old, supposedly retired, but do part-time work to keep active, and live in a mobile home in this little town 25 miles north of Houston.



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

SONY ICF-6500W Selectivity Modifications

The Sony ICF-6500W represents an unusual value in receiver performance among the currently available digital portables. It's major shortcoming is insufficient IF selectivity. What follows are the details for installing a narrower ceramic filter to correct this drawback, as described by Gerry Thomas.

What you'll need

- (1) Communications receiver quality ceramic IF filter. The muRata CFS 455 J is recommended (3 kHz at 6 dB down, 9 kHz at -70 dB) but the Vernitron VTD-4-I (4 kHz at -6 dB, 10 kHz at -50 dB) can be substituted. The former is available at muRata dealers around the country as well as at Gilfer's (I think) and Don Moman's Shortwave Horizons (6815 12th Ave., Edmonton, AB T6K 3J6), while the latter is available (or was) at Radio West as well as from Don Moman. I don't have the prices from the preceding dealers but would guess either filter would be around \$ 30-35.
- (2) DPDT toggle switch (Radio Shack # 275-1546 is ideal because it comes with different colors of toggle covers and the green one perfectly matches the trim of the 6500; \$ 2.65).
 - * About 2 feet of stranded 20-22 gauge wire (the shielded RG-174 U is recommended but unshielded works okay).
 - * About 2 inches of # 18 solid wire.
 - * Razor blade or X-acto knife.
 - * Drill and 1/4-inch bit.
 - * Soldering iron, solder, wire cutters/stripper, Phillips head screw driver.

Procedure

1. Remove batteries and/or unplug 6500.
2. Pull knobs straight off front of the radio. The tuning knob is easy; the others may require wrapping a length of wire (e.g. AC line cord) to provide a better grip. Pry off with a screw driver only as a last resort.
3. Remove the five screws from the back of the cabinet.
4. Carefully lift the back away (there may be some glue offering resistance) and note attached whip antenna wire (blue).
5. Desolder whip antenna wire from circuit board (note location for resoldering).
6. Carefully turn radio over and gently lift off the front panel (glue again could be present).
7. Release the three claws holding in the speaker and remove speaker from mounting hold. (You can desolder the speaker wires if you want, but it isn't necessary if you are careful with the speaker throughout the modification.)

You are now looking down into the chassis of the radio and should see the conductor side of the main circuit board.

8. Look to the upper left of the speaker mounting hole (about the "10 o'clock" position) and find on the circuit board a (printed, vertically bisected) rectangle with a "T3" in the right-hand half. (see Figure 1).
9. Note that there is conductor material running diagonally across the mid-section of the rectangle (connecting points labelled "A" and "B" in Figures 1 and 2).
10. With your razor blade or X-acto knife, cut this conductor at two points (see Figure 2) and carefully scrape away the conductor between the two cut points, thereby creating two "floating" points.

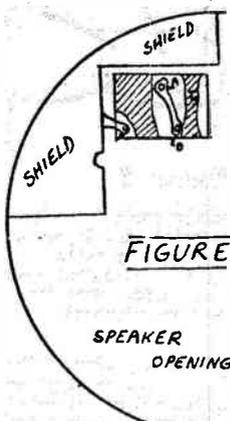


FIGURE 1

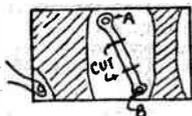
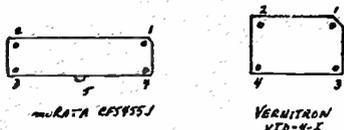


FIGURE 2

11. Now carefully solder one end of a 6-8" length of stranded wire to "floating" point "A" and another 6-8" length to "floating" point "B". If you are using shielded wire, you can ground the shields by scarping away the coating on a point on the grounded portion of the PC board (shaded area) and soldering.
12. Now take the ceramic filter you've chosen and solder a short length of bare, solid wire to the filter's ground poles (i.e., a single length of wire gangs (connects) the poles.) On the muRata, the two ground terminals are on the same (lengthwise) side of the filter ("3" and "4" in Figure 3) as the tab ("5") on the shielded case. On the Vernitron, the two grounds are on the lengthwise side opposite the corner of the filter with a notch. (see Figure 3). Allow about a 1/2-1" "tail" of the bare wire to extend from one of the ground poles of the filter so that it can be soldered to a ground point on the circuit board or shield.



13. Now solder a 6-8" length of wire to pole #1 (input) on the filter and another similar length of wire to pole #2 of the filter. The filter is now ready for mounting.

14. I mounted the muRata by laying it on its side on the shield covering the PC board (visible in Figure 1) and spot soldering the tab of the filter to the shield, and the "tail" wire (connecting the ground poles) to a ground point on the board. This was sufficiently sturdy that adhesive wasn't necessary. It might, however, be necessary to glue the Vernitron to the shield because of its plastic casing.

15. After you've mounted the filter, there should be four loose wires in the speaker mounting hole (two from the filter, and one each from points "A" and "B"). Gather these wires and thread them through the slot in the speaker housing cylinder so that they protrude into the general area of the volume, tone, and band selection controls.
16. Now take the front half of the cabinet and drill a 1/4" hole about 7/8" from the center of the "TONE" control hole and toward the "1 o'clock" position. This will locate the DPDT selectivity switch in the vacant area bordered by the speaker grill, band selector switch, and tone control.
17. Lay the front of the cabinet on top of the chassis to get an idea of how long the four wire leads should be to attach to the DPDT switch. Remove cabinet and trim wires to correct length.
18. Solder the wires to the terminals as shown in Figure 4 (which is an underside view of the DPDT switch). Attach the jumper as illustrated and, if you are using shielded wire, solder the shields together.

- 1 = INPUT
- 2 = OUTPUT
- 3 = GROUND
- 4 = GROUND
- 5 = GROUND TAB

FIGURE 3 (UNDERSIDE)

19. Replace speaker.
20. Replace cabinet front and mount DPDT switch. (You might attach a length of scrap wire to the switch, thread it through the hole, and pull the switch through.)
21. Resolder whip antenna wire.
22. Secure back, (be careful of power tab on top of the cabinet.) and replace knobs.

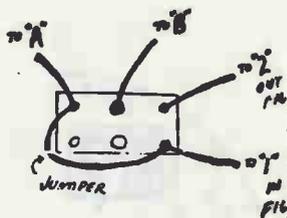


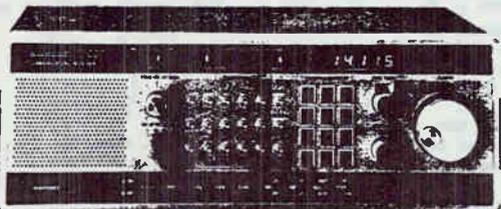
FIGURE 4

Now apply power and switch back and forth between wide and narrow positions and you should hear a "darkening" of audio in the narrow mode. To appreciate the improvement provided by the narrow filter, tune to a strong station with the selectivity switch in the narrow mode and continue to tune away from the station until the audio just loses intelligibility. Now switch in the wide filter.....clear as a bell audio. Note the respective frequencies; the narrow filter should be 2-3 kHz narrower per sideband depending on filter type, strength of signal, etc.)

About the only potential trouble spot with this modification is the mounting of the switch. If the radio is dead in one or both selectivity positions, the switch might be touching the tone control pot and grounding out. If so, loosen switch and rotate until clear. Although I don't find the insertion loss of the narrow filter unduly high (listed at 8 dB), some DX'ers might want to add a single stage of amplification to boost the signal.

After completing the modification, I'm sure you'll find Dialing a much more enjoyable and profitable pastime.

Many thanks to Gerry Thomas for providing this modification for us. The Sony 500W has been listed by 47th St. Photo in N.Y.C. for around \$ 105. With Gerry's modification, this makes the 6500W the best buy in digital portables.



The Electra -Bearcat DX-100C is another new receiver that will be available soon. Two prototypes were on display at the AMARC Convention in Arlington, VA in July. Initial comments on this new receiver have been enthusiastic. A spec sheet has been received from the manufacturer which mentions

the following: Frequency Range-10 kHz to 30 MHz., receives AM, SSB (selectable USB/LSB), CW, and FM. Sensitivity is 1 uV on AM, 0.5 uV on CW/SSB/FM at 10 dB S/N. Selectivity is 12 kHz at -6 dB, 24 kHz at -50 dB; 6 kHz at -6 dB, 12 kHz at -50 dB; and 2.7 kHz at -6 dB, 4.5 kHz at -50 dB. Frequency stability is less than 100 Hz per hour after 1/2 hour warmup. Image rejection is 70 dB or more, IF rejection is also 70 dB or more. (so they say) Direct Access tuning-via keyboard entry eliminates bandswitching, with fine-tuning providing plus or minus 2 kHz. The tuning knob covers 24 kHz per revolution in 1 kHz steps, or 3 kHz per revolution in 100 Hz steps. AGC has "fast" and "slow" positions (but no OFF). The digital display provides a two-zone 24-hour clock. (for GMT and Local time). 10-channel memory. It also has a tape output jack, external speaker jack, SO-239 coax connector for 50 ohm lines, and screw terminals for high-Z antennas. A built-in timer can be programmed to provide "On" and "Off" up to five different times on five different frequencies.

Dimensions: 14 1/2" W X 5" H X 9 3/8" D, and it weighs 17 lbs. Telescoping antenna and external AC adapter are included.

Right on the heels of their new DX-1000 receiver, Electra is offering a free booklet designed to introduce shortwave listening to the newcomer, and provide a handy reference for the established listener. There are sections on antennas, propagation, reception reports, time conversion, plus an hour by hour listing of English language broadcasts audible in North America. A free copy of "Dial in the World as Easy as Dialing a Phone" can be obtained by writing to Electra Shortwave Booklet, 300 East County Line Road, Cumberland, Indiana 46229.

Many thanks for the letters of encouragement received here, and special thanks to brother John for the extra page this month-- we really needed it. *Jim*

More on the great 60 meter band fire....

by Robert Rankin, 920 Rockledge, Lawrence, Kansas 66044

As 1971 was a hiatus year in my shortwave listening due to the demands of schooling, I was blissfully unaware, until the August 1983 FRENEX appeared, of the Great 60 m. Band Fire. By the time I returned to the hobby in the late '70's much reconstruction had already taken place and the scars left by the fire were scarcely audible. Shaw's excellent, first-hand reporting of the event, however, has helped explain a number of frequency allocations that, as a utilities monitor as well as a SWBC DXer, I have often wondered about.

For example, the frequencies 5904 and 4621.5 kHz. are U.S. Department of Agriculture allocations. Yet I have never heard anything on these channels and have frequently puzzled over their possible function. Thanks to FRENEX, I now know. These are fire breaks! The U.S.D.A. Forest Service has thoughtfully plowed fire breaks above and below 60 meters in order to protect the 49 and 75 meter bands respectively! I don't know why I didn't see this earlier. Further checking in uter frequency listings reveals that some, but not all, of our other bands are similarly protected. (On VHF and UHF fire breaks are not required since flames do not propagate well above the m.u.f.) Let us examine some of the other precautions mounted since the disaster of '71.

Since the fire, 60 m. has merited special treatment. Near the band's edges the Department of Commerce (operators of the National Weather Service) is allocated 4750 and 5100 kHz. in order to keep track of wind velocity and direction on the band--and you know how windy some of those 60 m. outlets can be, especially at night--while 5060 kHz. belongs to the National Science Foundation. To this agency is entrusted the task of producing a Study of the reaction times of government agencies in case of another conflagration. The U.S. Army Corps of Engineers now maintains a very active SSB net on 5015 kHz. and stands ready to divert massive quantities of water from our dammed lakes and rivers directly into the spectrum at a moment's notice. The International Boundary Water Commission (IBWC) up on 5326 kHz. is prepared to perform a similar function for our neighbors to the south.

Rarer stations are even given special protection. I note with satisfaction that the USAF is assigned 3290 kHz. in order to back up the RAF in escorting little Tristan da Cunha Radio if danger threatens. Yes, our bands are well protected now. But it is too late for those who moved too slowly in 1971! An ounce of prevention is worth a pound of cure, so please, please heed Smokey the Bear and be extra careful with those impedance matches when on DXpeditions. Think of the towering infernos that could develop in a crowded slum like the 31 meter band. Think of RCL, Radio Nederland and WRNO reduced to the stumps of blackened masts, their DX programs damaged beyond recovery by smoke and water. Not a pretty sight, is it? With just a little care all this can be avoided. The spectrum is one of our greatest natural resources. Let us all work to maintain it in its unsullied natural beauty.

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Grove, R., Federal Frequency Directory, 1980.

Shaw, E., "The Great 60 Meter Band Fire of 1971", FRENEX, August, 1983.
Robert L. Rankin
Lawrence, Kansas



Here's Bill Taylor at work



I just flipped through the new White's Radio Log, thanks to the bro', and it's another good reference for the shack. Of course, the NASWA membership had a large part of supplying the info for this, judging by the credits. And Don Jensen has a fascinating preface on the history of the publication. If you missed last month's announcement, just write: Worldwide Publications, Inc., P.O. Box 5206, North Branch, NJ 08876. Cost is \$4.95, plus \$1 for postage etc.

INDONESIAN UPDATE...Geoff Cosier would like to clarify an item in his Indonesian article in the August SWC. Rayuan Pulau Kelapa (Song of the Coconut Islands) is the song played before the Jakarta news relays. It is not called Love Ambon. This is a completely different song: Love Ambon is the kroncong (Hawaiian guitar melody) played at sign-off by many RRI stations. Thanks, Geoff, for spelling that out.

Charlie is taking the month off. In his place we have a rather amusing story from Adrian Peterson, of AWR-India (and host of "Radio Monitors International" over SLBC) who went in search of the elusive CL....

Just recently, and quite by chance, a copy of a recent issue of Frendx came floating onto the DX desk of "radio Monitors International," here in Poona, India. This office is located on the second floor of AWR-Asia, and from our large picture window, we can get an excellent view of the monsoon lashing the palm trees.

When I read this August issue of Frendx, I discovered with horror that Charlie Loudenoobmer is back and that he gives his QTH as somewhere south of Lhasa, in Tibet. Now, I have been in Tibet on two previous occasions and so I decided that, on my next visit, I would try to track him down. Well, it so happened that I was planning a 3 week itinerary in the Himalayan areas, beginning on the western side and proceeding east, and Tibet would be my last call.

Among the items of technical equipment for this DX expedition were a portable version of the Collins 5LJ, a mini-version of the original pre-war Grundig wire recorder, and a 120 volt 50 cycle inverter fired by 2 penlite cells as a power supply.

The first port of call on the edge of the high Himalayas was at Muzaffarabad in Azad Kashmir, where the station director showed me the two AKR transmitters, 10 kW on MW and 1 kW on SW. I asked him, "Have you heard anything of Charlie Loudenoobmer?" He stated that he had never even heard the name.

Across the international line is Srinagar, the capital city of Kashmir. On the edge of this verdant, productive vale, which is the subject of fable, song, and folk dance, is the SW and MW installation operated by All India Radio. I pointed to the snow-capped Himalayas and asked the chief engineer, "do you know the whereabouts of Charlie Loudenoobmer?" "No," he stated, "I have never heard of him."

Some ten days later in the itinerary, while I was over near the Burma border, I did a spot of on-air checking, using the excellent DX equipment afore-mentioned. I discovered that the schedule of "The Voice of Kawthulei," on the Burma/Thai border is exactly as observed by Victor Goonetilleke, in Colombo.

I recorded the sign on routine on the wire-recorder for later use in "Radio Monitors Interational," but when I got home, I found that the signal was spirally wound around the wire, and therefore, quite useless. Unfortunately however, I was unable to raise the Burmese Army Regional Station in Taunggyi. Either this 1 kW SW transmitter is still off the air or the radiation lobe favors Ceylon and not the Himalayan areas.

Finally, it came time for the entrance to Tibet, via Nepal. While I was in Kathmandu, I asked Mohini Shepherd if she knew the whereabouts of Charlie Loudenoobmer. She said that both she and the Chief Engineer of Radio Nepal had heard that he was indeed up in Tibet, somewhere in the border area, but no one seemed to know exactly where.

At the border crossing, I walked over the wooden planks on the red steel bridge, and I asked the two Chinese guards, "Where is Charlie Loudenoobmer?" In impeccable English, and with the utmost courtesy, they replied that they had never heard of him.

Somewhat forlornly, I began my return journey by jeep down the narrow winding mountain highway. All this way, without locating Charlie Loudenoobmer. As the driver was winding his way down the mountainside, I happened to look up and across the border into Tibet; and low and behold, up there on the mountain slope was an ice cave, with a bevy of antenna leads. This must be the place. I debarked from the jeep, crossed the narrow swing bridge over the ravine separating the two countries, and hurried up the pathway to the cave. As I neared this unique DX den, carved out of the solid eternal ice, I heard the sign on routine of VOA Philippines in English. "Ha" I thought, "Old Charlie is getting homesick." Only an open doorway to the ice cave, so I peered in, unobserved. No, it wasn't Charlie Loudenoobmer, it was just a huge ape-like animal, all covered in cold fur. It was only a yeti, the abominable snowman.



ENGLISH LANGUAGE BROADCASTS TO NORTH AMERICA

by F. William Cole, 107 Charles St., N. Cape May, NJ 08204

A computer program in the BASIC Language of the "COMMODORE VIC-20".

This program was designed to process the data gathered by Roger Legge in the June 1983 issue of FRIENDX. It is adaptable to other SWL-DX purposes.

This program may be reproduced and used by others provided due credit is given the author.

```

10 REM PROG 01 07/07/83
15 REM BY F.W.COLE
20 REM
25 REM THIS PROGRAM
30 REM RECORDS & PRO-
35 REM DUCES A LISTING
40 REM OF ENGLISH
45 REM LANGUAGE BROAD-
50 REM CASTS TO NORTH
55 REM AMERICA. BROAD-
60 REM CASTS MAY BE
65 REM FOUND BY TIME,
70 REM FREQUENCY OR
75 REM STATION.
80 REM
85 REM VARIABLE NAMES
90 REM T1..TIME ON
95 REM T2..TIME OFF
100 REM F...FREQUENCY
105 REM S$..STATION
110 REM
115 REM INPUT NAMES
120 REM X...GMT
125 REM W...FREQUENCY
130 REM Q$..STATION
135 REM

200 PRINT " ":PRINTTAB(
3)"ENGLISH LANGUAGE"
205 PRINT "BROADCASTS T
C EASTERN"
210 PRINTTAB(1)"NORTH A
MERICA":PRINT:PRINT
215 PRINTTAB(9)"MENU":
PRINT
220 PRINT "CODE FUNCT
ION":PRINT
225 PRINT "A...LIST BY
TIME"
230 PRINT "B...LIST BY
FREQUENCY"
235 PRINT "C...LIST BY
STATION"
240 PRINT "D...END PRO
GRAM":PRINT:PRINT
245 PRINT "HIT KEY A,B,
C OR D"
250 PRINT "TO SELECT FU
NCTION"
255 GETA$:IFA$=""THEN
255
260 IFA$="A"THEN300
265 IFA$="B"THEN500
270 IFA$="C"THEN700
275 IFA$="D"THEN950
280 IFA$<"A,B,C,D"THE
N255
285 REM
    
```

```

300 PRINT " ":PRINT"ENT
ER GMT TIME"
305 PRINT:PRINT:PRINT
310 PRINT"ENTER GMT &
HIT RETURN":PRINT
315 INPUT"GMT":X
320 IFX>2359THEN380
325 RESTORE
330 GOSUB900
335 IFT1=9999THEN380
340 IFX=T1THEN370
345 IFX>T1ANDX<T2THEN3
70
350 IFX=T2THEN330
355 IFT1>T2ANDX<T2THEN
370
360 IFT1>T2ANDX>T1THEN
370
365 IFX<T1ORX>T2THEN33
0
370 PRINT " ":PRINT T1T
AB(5)T2:PRINT
375 PRINT FTAB(7)S$:GO
TO400
380 PRINT " ":PRINT"NOT
FOUND":PRINT:PRINT
385 PRINT"HIT ANY KEY
FOR MENU"
390 GETA$:IFA$=""THEN3
90
395 PRINT " ":GOTO215
400 PRINT:PRINT:PRINT
:PRINT:PRINT:PRINT
405 PRINT"CONTINUE SEA
RCH THIS"
410 PRINT"TIME?"X:PRIN
T
415 PRINT"Y=YES N=NO"

420 GETB$:IFB$=""THEN4
20
425 IFB$="Y"THEN330
430 IFB$="N"THENPRINT
" ":GOTO215
435 IFB$<"Y,N"THEN420
440 REM
500 PRINT " ":PRINT"ENT
ER FREQUENCY WITH"
505 PRINT"NO DECIMAL,
UP TO 5"
510 PRINT"DIGITS":PRIN
T:PRINT
515 PRINT"ENTER & HIT
RETURN":PRINT
520 INPUT"FREQUENCY":W
525 RESTORE
530 GOSUB900
535 IFF=999999THEN360
    
```

```

540 IFW<F-30RW>F+3THEN
530
545 IFW>F-3ANDW<F+3THE
N550
550 PRINT " ":PRINTT1A
B(5)T2
555 PRINT:PRINTFTAB(7)
S$
560 PRINT:PRINT:PRINT:
PRINT:PRINT:PRINT
565 PRINT"CONTINUE SEA
RCH THIS"
570 PRINT"FREQUENCY?"W
575 PRINT:PRINT"Y=YES
N=NO"
580 GETP$:IFP$=""THEN5
80
585 IFP$="Y"THEN530
590 IFP$="N"THENPRINT"
 ":GOTO215
595 IFP$<"Y,N"THEN580
600 REM
700 PRINT " ":PRINT"ENTE
R STATION NAME":PRINT
705 PRINT:PRINT"ENTER &
HIT RETURN":PRINT
710 INPUT"STATION":Q$
715 RESTORE
720 GOSUB900
725 IFF=999999THEN380
730 IFQ$<S$THEN720
735 IFQ$=S$THENPRINT" "
740 PRINTT1TAB(5)T2:PRI
NT
745 PRINTFTAB(7)S$
750 PRINT:PRINT:PRINT:
PRINT:PRINT:PRINT
755 PRINT"CONTINUE SEA
RCH THIS"
760 PRINT"STATION?":PRI
NT
765 PRINT"Y=YES N=NO"
770 GETD$:IFD$=""THEN77
0
775 IFD$="Y"THEN720
780 IFD$="N"THENPRINT"
 ":GOTO215
785 IFD$<"Y,N"THEN770
790 REM
900 READ T1,T2,F,S$
910 RETURN
950 END
    
```

Sample Data File

1000 DATA 1000,1500,15
100, MOSCOW
1005 DATA 1100,1130,15
400, HELSINKI
1010 DATA 1200,1530,11
740, HCJB

1015 DATA 2300,0030,59
75, LONDON
1020 DATA 2345,0045,15
300, TOKYO
1025 DATA 0000,0030,74
10, JERUSALEM
1030 DATA 0200,0230,98

35, BUDAPEST
1035 DATA 0330,0400,15
430, DUBAI
1040 DATA 0400,0500,11
750, SOFIA
1045 DATA 9999,9999,99
999, END OF FILE

Due to typewriter margins not holding, there are several lines that will not duplicate exactly when on the screen. Most, however, will.

The COMMODORE VIC-20 has about 3.5K of usable memory. The text of this program is almost 2K. It will pay to have expanded memory so there will be room for data files. To save room when entering the program, it is not necessary to include lines 10 through 140 as they are only for documentation. The Data Files contain 4 items in this order: time on the air, time off the air, frequency, station. The Data File end statement must be used exactly as given in the sample.

When the program is loaded and the Run command given; the title-menu screen appears. The user is asked to select from 4 functions and hit key A,B,C,D to indicate choice. One of 3 entry screens appears: time, frequency, or station. The fourth ends the program. The entry screens ask for input; GMT Time (up to 4 digits, no colon), FREQUENCY (up to 5 digits no decimal), STATION NAME. Input causes the Data Files to be searched in the following way. If time entered falls within the time on until off, the station will be listed. (The Vic-20 has a peculiar habit of omitting zeros before whole numbers. If 0400 is entered, 400 is printed, 0030 then 30 printed and 0000 then 0 is printed.) If the frequency falls within plus or minus 3KHz of a frequency in the Data File, the station is listed. (This allows for minor frequency variations sometimes found, an idea supplied by Ed Shaw.) If the name entered matches a name in the file, it is listed. When a listing is found, the first line printed gives time on and off the air. The second prints frequency and station name. The computer also asks if the search should continue. If yes, the Data Files are searched for other stations. If no, the menu screen appears. If no station is found, "NOT FOUND" is printed and the user referred to the Menu screen.

As stated, this program was designed to process the data gathered by Roger Legge, ENGLISH LANGUAGE BROADCASTS TO NORTH AMERICA, in the June 1983 FRENDX. There is no reason why it will not process data from LISTENERS NOTEBOOK, UPDATE, or LOG REPORT. Just maintain the Data File format.

This program should also load into other Commodore Computers; 64, PET etc. It will require some modification for the BASIC Languages of other computers. For those who may wish to translate to other BASIC Languages: PRINT is a command to clear the screen. The GET A \$ statement instructs the computer to accept the input of any key on the keyboard. Beyond these hints I cannot be of further help to those with other computers.

I have been working with this program for about 3 weeks. I believe that most of the "bugs" are out of it, but know that it can be improved. I would appreciate user comments or suggestions.

REMark Don't confuse 0 Zero with 0 "0". Watch punctuation.

Good DX and Happy Computing
Bill Cole

An interesting month...but then there's the next one: we'll dig deeper into Indonesia, with a "best bets" selection, plus John Meyer has compiled a QSL survey from Indonesia based on material here in FRENDX. Also, Marlin Field updates his ever-popular "Christian Radio Voices", John Campbell looks into computer applications in DXing, Jerry "DX is Always Lurking" Berg (sorry, Jerry!) offers a guide to verifying the Chinese regional stations, and more...so look for us, OK? Until then, 73-

Heck



OCTOBER 1983

Listeners Notebook

GLENN HAUSER, Box 6287, Knoxville, TN 37914



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AFGHANISTAN R Afgh reported that its bcs, which until 27/4'd amounted to 29h per day'd been increased as from 23/8 to 33:30. GDR helped eqp studios. Now Pashto 0200-0300 & Baluchi 0300-0330 on 17820 15255 6230 4450 (another R Afgh report on same subject replaced the first two fqs, possibly erroneously, by 7220 & 5255). S&SEAs svc also incr in FR & EG 0930-1030 on 21460 15255 6230 4450; and FR to WEu/NAf on 15077 & 7200 (no.time given, and none of this confirmed yet) (WBI 25/8) 0930-1030 is an hour in EG, no FR; FR is new lang at 1930-2000 on 15077 7200 (WBI 1/9)

ALASKA KNLS [if you can't remember whether it's this or KINS, a problem various editors suffer, think of the slogan "New Life Station"] QSL letter says on half power of 50 kW due to xmtr problems (Bryan Clark, NZ DX Times Aug-Sept) Using linguists and cultural experts, WCBC intends developing and airing pgming in various langs, and featuring nx, mx, sports, info to supplement religious content, to attract and hold the largest possible listening audience. WCBC's future plans are for 2 more strategically located stns--the first to be in SE USA, or Caribbean; 2nd in Indian Ocean area (ibid.) 15/8 at 1156 closing 11820 and move to 9525 instead of 9690 for Chinese 1200-1330 (Bryan Hillier, WA, ADXN) Presumably used 9525 only for remainder of J83--see Sept LN for current sked (gh) Eventually, some pgming will be in EG for Japan & Phil, using antenna slewed to 270°(ADXN)

ANGOLA R Nacional drifted to 5028 ex-4820, alternatively on 5331. ER do Zaire, Mbango Congo, 0500-1300 & 1700-2000 on 4855. ER do Uige 0400-2300 4848. ER do Lobito 0400-2300 7172. ER da Cabinda 0500-2300 4970, but not obs recently. ER do Moxico irr. on 5192. ER de Namibe back on SW, now 0500-2300 on 5014 (Richard Ginbey, RSA, Sept WRTH Newsletter = NL)

ARGENTINA Telam nx agcy quoted Public Info Secretariat 31/8 that Rdif Buenos Aires S.A. had been granted the right to run LR4-R Splendid for a sesquidecade, as part of the privatization plan (WBI 8/9) The stns LR1 Radio El Mundo (15290 11755 9710 6120 on SW), and LR4 Radio Splendid (11880 9740 5985) from 1/9 finished xmsns on SW because of transfer from governmental interveners to new private owners. Fqs previously used by these two stns will probably be used by other govt stns. SW fqs here are used only by govt stns (Gabriel Iván Barrera)

AUSTRALIA R CBN, Sydney weak on 13995 at 1704 w/test in USB for NAM 14/8 (Andrew Turnbull, NSW, ADXN) So we know they were on. I couldn't hear them and have received no reports of any one else doing so (gh) Plans to re-establish the R Australia, Darwin xmtrs have been deferred as the Natl Bcing Svcs Planning Committee, Sydney, did not make a definite decision to seek the required allocation of \$2 million; despite pressure from ABC Chairman Kenneth Myer, at a meeting in August (Melbourne Age, via Sept ADXN)

BANGLADESH 27/8, R Bang quoted Info Minister that two 250 kW SW xmtrs at Kabirpur nr Dhaka 'd be put into service for worldwide bcing by Oct. 10 to 100kW xmtrs being installed, or already, in Comilla, Thakurgaon, Dinajpur, Rangpur and Bogra (WBI 8/9) New 250 kW xmtrs registered as follows with IFRB for S83: 9510 0930-2400, 9575 1830-1730, 9610 1200-1230 & 1300-1330, 11720 1315-1345, 11790 0300-0430 & 1500-1530, 11820 1000-1030, 11865 1200-1230, 11875 1600-1630, 11965 1830-1900, 15150 1000-1030 & 1200-1230, 15280 1230-1300, 15285 1645-1915, 15300 1300-1330, 15400 1030-1100, 15430 0300-0900, 17755 1400-1500 & 1600-1630, 17775 1500-1530 & 1645-1815, 17800 1230-1300 & 1700-1915, 17890 0445-0515 & 0930-1030, 21550 1615-1815, 21670

0900-0930 & 1000-1030 & 1500-1530, 21685 1030-1130. Obviously not all of these will be used; however, it seems likely fqs for regular ES pgms will be selected from above (NL)

BELGIUM BRT has suspended regular pgming and may be off the air due to work sanctions. In fact, it appears that the whole country is on strike (Jim Conrad, IA, 18/9) EG sked effective 25/9-5/11: 1400-1445 Mon-Fri FE 21815, NAM 17610. 1910-1930 Sun & 1915-2000 Mon-Sat Af on 15590, Eu 5895 1512. 2200-2245 Af 11975, Eu 5895 1512. 0030-0115 NAM 9880 Sam 11620 (BRT) BRT plans to intro a new 100 kW xmttr in March 1983 (Brussels Calling via Brian Webb, AIDK) R Atlantique 2000 on 7340 sent sked & QSL in 46 days for 1 IRC and C-10 tape; addr is Box 41, Dedemsvaart 7700, Holland (Novarino, Play-IX, Italy) Previously had French connexion, but FDK has it under BELGIUM heading so presumed xmttr site (gh)

Bolivia - The following list is based on extensive monitoring up to (and including) Sunday, August 21, 1983. Where nominal schedules are not known, or when they differ from those announced over the air, appropriate comments are included in order to make clear the point. In a few cases, sign-off times may vary considerably; this is mainly due to the fact that the final programme consists of musical requests and dedications, the number of which vary from day to day. In addition, sign-on times are often delayed, due to electricity supply problems. Some stations have reduced their schedules from those of earlier years owing to the economic recession which is common to all S. American countries at the present time.

Abbreviations: H=Harmonic; v=variable; n=nominal. Times in UT. All days local.

Mhz

- 3024M K. Dif. Puerto Suárez, Puerto Suárez (Santa Cruz) ~~2151.2~~ 1190-1400 (not Sun)
- 3280 K. Chaco, Yaculita (Tarija) seemingly inactive.
- 3310 K. San Miguel, Hiberaltá (Bení) 1000n (usually nearer 1030); 0300v
- 3330 R. Charcas, Montegudo (Chuquisaca) seemingly inactive.
- 3340 K. Viloco, Viloco (La Paz) not heard.
- 3349 K. 27 de Diciembre, Villa Montes (Tarija) 3330n, 2230-0200 (Sun: 2230-0015v) (v-0200).
- 3370 K. Florida, Samaipata (Santa Cruz) tent: 1200-1800, 2100-0200 (Sun: 1200-0000). Sign-on usually around 1215, sometimes as late as 1230, but believed to be nominally
- 3380 K. Cumbre, Tazna (Potosí) 1030-1800, 2130-0330 (Sun: 1200-1730, 2130-0100) 1200.
- 3390 K. Camargo, Camargo (Chuquisaca) seemingly inactive.
- 3480v R. Padilla, Padilla (Chuquisaca) 2230-0200v; very irregular at present.
- 3885 R. Libertad, Entre Ríos (Tarija) 2300-0100v (v-0215).
- 4090v R. Comarapa, Comarapa (Santa Cruz) 3885n, irregular, or working around; heard occasionally around 0100.
- 4420 K. Reyes, Reyes (Bení) 1130-7 2300-0330 (Sun: 0200)
- 4473 K. Moviola, Santa Ana de Yacuma (Bení) 4835n, 1100-1400v 2230-0300v
- 4530M K. Dif. Puerto Suárez, Puerto Suárez (Santa Cruz) ~~2151.2~~ 1100-1800 (not Sun.)
- 4585 R. Litoral, Cochabamba (Cochabamba) very irregular, around 1030 and 0000, possibly a transmitter fault, as announces 2025 (where it is not heard)
- 4640 K. 23 de Marzo, Tupiza (Potosí) not heard, and would seem to be inactive.
- 4697 R. Hiberaltá, Hiberaltá (Bení) 1100-0400v; 4775n
- 4710 Unid., observed two days only, during late July, with irregular transmissions; possibly K. La Voz de la Frontera (4705n)
- 4720 R. Abaroa, Hiberaltá (Bení) n1000-0400v, though often fades in between 1030 and 1100; sign-off varies 0400/0430, or even later. 4705n. Gives time checks in UTC, local time.
- 4730v R. Morón, Guayaquerín (Bení) 1400-7 7-0300 (Sun: 0100v) 4730n, varies 4730v-40.
- 4736 R. En. Bolivia, Oruro (Oruro) 0900 (Sun: 1000)-1600, 2200v-0400 sometimes fades-in around 2130; believed to be on continuous schedule on MW, 0900-0400. 4760 kHz nominal.
- 4775 K. Los Andes, Tarija (Tarija) 1100, irregular.
- 4775 K. Trópico, Trinidad (Bení) 1100, irregular.
- 4785 K. Ballivián, San Borja (Bení) 1200-1800
- 4797 R. Nueva America, La Paz (La Paz) 1000-0400; Sunday schedule somewhat irregular; 4795n.
- 4804 K. Santa Ana, Santa Ana de Yacuma (Bení) 1400-1800, 2115-0100v; evening broadcasts are being extended at present until 0200, weekdays, to include 'radio-teatro'; Saturday and Sunday programming ends at 0100. Nominal frequency: 4805 kHz.
- 4807 K. Frontera, Yaculita (Tarija) presumed the station heard with weak signal between 1000 and 1700. Actual frequency is approximately 4806.6, the same as used in the past by K. Frontera (4805n).
- 4816 K. Nacional, La Paz (La Paz) 0900 (all days); further reception impossible; 4815n.
- 4825v R. Grigotá, Santa Cruz de la Sierra (Santa Cruz) 1000-0300 (Sun: 1100-0000v); frequency varies 4825-6
- 4845 K. Fides, La Paz (La Paz) 1000-1730, 2230-0300 (Sun: 1200-1730, 2230-0230) ~~2151.2~~ 1100-1800
- 4856 K. Cobiya, Cobiya (Pando) tent: 1100 to past 1630, tent: 2200-0300; co-channel interference makes it difficult to confirm exact schedule.
- 4863/470 K. Patititi, Guayaquerín (Bení) - not heard on either of these former frequencies, possibly moved or inactive.
- 4876 K. La Cruz del Sur, La Paz (La Paz) 0930-1240 (Mon-Sat), 2200-0100 (Mon-Fri), 0930-1400 (Sun); 4875n.

- 4880 R. Sararenda, Comari (Santa Cruz) 1400-2200 (Sun:1200-2100/2200(v)) 4880a
- 4937 R. Norte, Montaro (Santa Cruz) 1100-1230, 1600-1800, 2200-0300 (Sun:1200-0200).
Finally got its act together and stabilized on 4937 on Aug. 4 (ex-4925 KHz); 4938a.
- 4945 E. Illimani, La Paz (La Paz) 0900-0400.
- 4955 A. Juan Xilili, San Ignacio de Velasco (Santa Cruz) 1000-1330, 2000-0030 (1330 and
2000 may be seasonal); Sun:1100-0030v (v-1800/2200, seasonal)
- 4980 A. Batallón Topáter, Oruro (Oruro) 1000 (Sun:1100-1330); later reduction not
possible, as the station operating on reduced power; previously 0500* (Sat. 0400;
Sun: 0000v)
- 4990 J. Beni, Magdaleno (Beni) not known if active, difficult to check.
- 4991 J. Animas, Chocaya (Potosí) 1030-1600, 2100-0400; Sunday schedule 1200-1800
1p to Aug. 14, but extended on Aug. 21, to 2215. This a seasonal change, for fútbol.
Uses old sign-off tape, announcing *1000; also announces 4997 KHz nominal.
- 5005 K. Cristal, La Paz (La Paz) currently inactive, though returned briefly on the
morning of Aug. 4, when heard with usual programming at 1145. Gone by 1500, though.
- 5028 M. Dos de Febrero, Murrenauque (Beni) not known if active.
- 5030 M. Cuarto Centenario, Tupiza (Potosí) 1300-1730v (v-1930, especially Sets.),
2130-0100; Sun:1200-1900v (v-2030); no evening broadcast.
- 5045 E. Altiplano, La Paz (La Paz) inactive
- 5070v H. Ichilo, Villa Busch (Santa Cruz) 1030-0200 (Sat., Sun: 0100v) (v-0100);
varies 5076-7, nominal freq: 5070.
- 5312 K. Kobore, Kobore (Santa Cruz) inactive.
- 5450 M. Machupo, San Ramón (Beni) not heard, possibly inactive.
- 5581v R. San José, San José de Chiquitos (Santa Cruz) 1115-1630, 2100-0200v (v-0300);
Sun: 1115-1600 (also 2100-0100 irregular, for sports commentaries); varies 5581-2,
and announces 5585 KHz.
- 5869 R. Corocoro ("La Voz del Cobre"), Corocoro (La Paz) full schedule not known,
but heard at various times, e.g. 1030, 0030, 0200* (weekdays) and 1230, 2130 (Sun.).
5870 KHz nominal.
- 5935v R. Centinela, Tupiza (Potosí) reactivated, first heard Aug. 13, *1330-2200*;
Sunday schedule variable. Reception after 2200 impossible. Weekday a/on
sometimes as late as 1400. Still has transmitter problems, with the frequency
drifting between 5945 and 5932 KHz. Nominal frequency not known, announces "49 metros".
- 5954 K. Pío Docu, Siglo Veinte (Potosí) currently fading-in circa 1000, so not sure
if a/on changed from former *0900; schedule now 1000-1305v, 1900-2100*, occasionally
continuous (e.g. Aug. 17); Sun:1100-2100*, though sometimes gone by 1800. 5955a.
- 5965 K. Nacional, Huamuni (Potosí) *1000 (Sun: *1100); further monitoring impossible.
- 5974 R. Nacional, Cochabamba (Cochabamba) currently fading-in around 1005 (though
occasionally as early as 0945) with program in quechua; previously *0900;
also past former 1600. Current schedule: 1000v-1800v (Sun:1100v-2200v). 5975a.
- 5995 K. Loyola, Sucre (Chuquisaca) 1000-2100*; reception not possible after that time.
- 6005 K. Progreso, La Paz (La Paz) seemingly inactive.
- 6025 M. Illimani, La Paz (La Paz) 0900-0400.
- 6069 R. El Condor, Oruro (Oruro) irregular at best, and currently inactive. 6070a.
- 6082 R. 21 de Diciembre, Catavi (Potosí) 1000-1800 (Sun:1200-1800v), 6055a.
- 6108 R. Panamericanos, La Paz (La Paz) 1030-0030, 0130v-0400; Sat:1030-0000; Sun:1100-2200
6105 KHz nominal.
- 6137 K. Santa Cruz, Santa Cruz de la Sierra (Santa Cruz) heard with weak signal at
1430 on August 6, also a weak carrier can be traced at the same time on some
other days; if active, is operating with extremely low power. 6135a.
- 6144 K. Luis de Fuentes, Tarija (Tarija) 1300-2100 (Sun:1300-1600v). 6140a.
- 6155 R. Fides, La Paz (La Paz) 1000-1730, 2230-0300 (Sun:1230-1730, 2230-0230). See 4845.
- 6175 R. Indomericas, Potosí (Potosí) active, but schedule not known.
- 6195 M. Stentor, La Paz (La Paz) 1100-2000v (v-2200), also 2200v-0400 irregular.
- 6673 K. Pedro Domingo Murillo, Quims (La Paz) - Aug. 10, one day only - from 1915 tune-in
until 2035 a/off. Announced next transmission for following day, but no time given,
nor was a frequency announced, merely that "nuestra estación opero en onde media".
Presumably a harmonic, though does not correspond to listed 1400 KHz fundamental.
Unid., heard for several months, but off the air since July 29. Thought to be
located near or in the city of Santa Cruz de la Sierra.
- 9716 K. La Plata, Sucre (Chuquisaca) 1400v-1800. 9715a. (Tony Jns, Asunción, Paraguay)
- 5910 is a new stn's fq, R El Espectador, La Voz de Betanzos, in Potosí, per the stn; not hrd.
(Sintonía BK, June, of Bolivia BK Club via John Wilkins, CO) more, Last Minute Information

BOTSWANA R Botswana sometimes on 9630 instead of 9600 (Richard Ginbey, RSA, NL)

BRAZIL Delete SW stns on the following fqs in WRTH 83: 2450 3265 3275 3285 3335 3345 3355 &
4815 5025 6065 & 15245 6095 9755 11765 & 15155 15175 15365 15365 17875. Stns on 4825 4865
4935 and 4965 are inactive (Antônio Ribeiro da Motta, Brazil, NL) The NL also includes a long
list of amendments giving only the stn key no., never its name. If going thru such tedium
back & forth with the WRTH 83 appeals to you and you can't wait for the 84, you should be get-
ting the NL (gh) R Universo, 9545, coming in well at 0825 ID (Jim Conrad, IA, 18/9) R Nacio-
nal, Porto Velho, mixing w/Caracol on 4945 at 0900-0935 10/9 (Maxfield Greenwood, ME) + LMI

BULGARIA Bulfarian R, Sofia, DS, Khorizont Pgm on SW: 11765 0400-1900; 7670 0400-2030; one hour earlier during summer. (WBI 25/8)

BURUNDI Good signal on 15200 until 0800 when QRM from NHC on 15195 (Noel Parry, NZ, NZDKT Aug-Sept) New high power xmtr at Kitega, VG past 0800, FR amts, lcl & Eu mx (John Durham, ibid.) 0700 fair in FR w/100 kW (Steven Greenyer, ibid.) Don't confuse w/Gabon

CAMEROON Yaoundé now closes 2400 on 4850 & 9745. New EG segment incl nx 2100-2120 is also relayed by all prov stns. R Douala, absent from SW since 1969, settled on 4795 to 2300*. R. Bertousa frequently missing from 4750 (R Ginbey, RSA, NL) 4795 is 100 kW, not 20 (Andy Semmitt of WRTH, RN Media Network 15/9) More, LMI

CANADA From 6/11, the SWL Digest on RCI's Caribbean service will move from Friday to Sunday, where it was originally intended to be; and the time will have changed to 2330 (Ian McFarland, RCI) And from 31/10, the NAM svc SWLD will presumably shift to the 0300 GMT Mon bc, unless further shifts are made (gh) RCI hrd on 6280 at 0200 14/9, so weak I couldn't've IDed 'em exc for "Oh Canada" excerpt (Chuck Oliver, Spring TX) Mixing product between 5960 and BBC relay on 6120, each 160 kHz apart(gh) With S83, 11945 kHz resumed for Af svc 2130. Ian says it had been dropped for propagational reasons. Maybe it wasn't making it to Africa, but this fq is vital in NE US and SE Canada where the others may skip over or be diminished by disturbances. On 17/9, 11945 was the only readable fq here (gh)

CENTRAL AFRICAN REPUBLIC R Centrafique on 5035 *0430 21/8 IS, anthem, s/on amts by M, "Bonjour," lite Af mx, pops, SIO 353 (Richard A D'Angelo, Wyomissing PA) VG sig on 5035 in late afternoons (Maxfield Greenwood, Sedgwick ME)

CHAD R Moundou, 5287, 28/8 0505+ in FR; nothing here at 0450-0500, but at 0505 retune hrd a balafon or similar instrument; 0507 upbeat band mx, FR talks; severe noise level, 0515 fade (Mitch Sams, Wichita KS, OMDC DX Log) Ndjamena, weak but little QRM at end of nx 0112 on 11802 (Norris Sturgess, Rotorua NZ, NZ DX Times Aug-Sept) Language, date, evidence? Can anyone confirm? (gh)

COLOMBIA R La Voz de Centauros, 5955, now hrd daily w/Huancayo off the air and Pío Doce coming on later; *0900 Mon-Sat; *1000 Sun (Tony Jones, near Asunción, Paraguay, 21/8) more, LMI

CUBA Mayak relay hrd 7/9 on 3345 at 0530 t/in, RS mx EZL, M ancr, SINPO 44334, no ID til 0559 Mayak IS, 0600 ID, RS mx; hrd past 0600 w/more classical mx (Ron Trotto, St Cloud FL) Back on 4765 (Jim Conrad, IA, 18/9) RHC on 10000 atop WWV, 30/8 0654-0705 & on 9790, a ± 105 spur of strong 9895 w/SP presumably to ME/AF (Terry Krueger, IKSF) I've noticed this too (gh) RHC hrd on 7425 2330-0140+ 5/9 //11760 w/SP, F-P due ute QRM. Perhaps Fidel's reply to CID on 41m. 7425 is of course a favorite fq for NAM pirates, so this may be one Cuban move that will not cause consternation for the FCC (W J Martin, Wilmington DE, 5/9) RHC on 7455 // 7425 0200 8/9, SP nx (Chuck Oliver, Spring TX) RHC on 15525 // 11760 morning of 18/9 (gh) more, LMI

CZECHOSLOVAKIA New xmtr site is at Velkekostolany, 17.44E/48.31N, with 250 or 120 kW xmtra per IFRB. This site sked 1700-0200 6055, 0600-1700 9505, 2100-0500 9630/9740, 1800-0500 on 11800, 1600-2200 17890 (NL) more, LMI

DJIBOUTI Tho poor to very poor due to severe QRM from a ute, I am 99+% certain I have hrd this for the first time, at 0352 t/in thru ute hrd M & W in lang, quite possibly Somali, w/ID mentioning "Djibouti, Africa" and 0356-0359 tribal-like chanting & mx; 0400 I think I got hit by Petrozavodsk w/3 or 4 tones. I will try this at 0300, as when I t/in it was roughly 40 mins after their sunrise; SINPO 31332- (Maxfield Greenwood, Sedgwick ME) On 4780

DOMINICAN REPUBLIC R Clarín, 11700, noted 0202 30/8 reading open letter of protest to Dom president Blanco re govt ordered cancellation of LV del CID pgming. Protest was cut off in mid sentence (accidentally??) followed by EG ID, then R Earth (SWNS)

R Clarín reported 19/8 that stn'd been ordered by Genl Directorate of Telecomms (DGT) to stop being pgms of CID Publications Inc., "and of any otherpgms which may be aimed at criticizing any other country or forn govt". Order contained in an offl comm, No. 5131, signed by the DGT, who added it'd watch closely for compliance w/order. Also ordered Clarín not to use unauthorized fqs. Per R Clarín, this was an unusual request since they'd never violated any standing reg on telecomms. In a letter to the DGT, VP of RC said stn'd suspend being CID pgms, as requested, but that the order amounted to an infringement of the Rep's constitution. Monitoring 10-19/8 indicated that Clarín's 11700 xmtr was not operating. But on 23/8, R Earth said stn'd been incop due to lightning strikes on Clarín xmtr, and that Dom Assn of R BCers'd formally protested over the suspension of V of CID pgms sponsored by Cuban exiles, claiming that govt decision wasn't right one and that any claim against the pgms should be taken to court. Then R Clarín xmtr s/off 0312* w/Dom NA (WBI 25/8) Newspaper Listín Diario reported 23/8 that the Secy Genl of CID'd asked the pres of DR to revoke govt decision banning being by R Clarín of his pgm. Req contained in press release from Miami by CID's Intl Rels Secretariat (WBI 1/9) Listín Diario reported that DAB (ADORA)'d asked Dom pres 23/8 to revoke decision. ADORA said it'd been 'very confused and surprised' by the DGT decision;

VP of Clarín said suspension 'clearly violated freedom of expression and dissemination of thought', a "clumsy violation of Article 8, para 6 of the country's Constitution." 25/8 Latin Diario said DGT'd justified suspension as "serious violation of Dom laws". They intended 'exclusively to criticize the Cuban govt' and 'interfered w/Cuban being stns'. He added that R Clarín'd been being for CID Publication Corp "which is nothing more than a front for foreigners to conceal their political activities in the DR" on 11/700 as well as on unassigned fqs of 7645 7355 5106 4900 [sic] (WBI 8/9) Clarín getting bum rap there as evidence points to those coming from other countries. While all this was going on, R Clarín resumed carrying virulently anti-communist pgms before 0200, but not calling it LV del CID--instead "Por los caminos de América", and yet the CID IS was firr more than once. Quite a tightrope they must be walking. Dom govt knuckling under to Castro is also rather distasteful. R Earth mused it might change to 0100 but this has apparently been held up by the CID business. They are asking listeners to send in recipes, and in Sept "temporarily" moved HQ from Curaçao to Box 69; Miami. Has been repeating old pgms some nites, and for quite some time was running them a week late; xmsn often missing completely (gh) more, LMI; also see CRANNY & LMI-Cland unID on 6047, 1/9 0100-0147, fast paced SF pgm, F sig, bouncy Latin mx, slow ballads, 0145 nx (Mitch Sams, Wichita KS, OMDC DK Log). unID on 6046.4, 18/8 1008-1030, rapid nx, GMT-4, F (Chuck Bolland, FL) Is R Santiago, 6046v, 1041-1100+, Noti-tiempo mx, 1100 comtry, ID 3/9, clobbering Australia (Steve Reinstein, FL, DX S Florida) Ex-6120 to escape Brazil powerhouse

ECUADOR HCJB ancd it was having difficulty w/intl mail, up to 90% of incoming mail lost. Listeners asked to refrain from writing to stn for time being. Aerograms and PCs get thru, not letters (Don Rhodes & Tauno Isokangia, ADKN Sept) That's rather astounding, but I suppose mail theft isn't such a big deal there; how about via Opa Locka? (gh) more, LMI

EGYPT Cairo replaced 17920 by 17675 for SAs xmsns (NL) That'd incl EG 1215-1330 ; or had that been retimed... (gh) MENA nx agcy reported from Cairo 21/8 that Minister of State for Info'd stressed need to unify info organs in Egypt & Sudan. Addressing the Popular Organizations Committee of the Nile Valley, he said a study was underway to set up the Nile Valley Broadcasting Stn that'd basically aim to bolster integration between the two peoples (WBI 25/8)

FRANCE, LMI

GABON Libreville, 4777 returned to SW after a mysterious absence of a couple of weeks, noted at 2157-13/8 w/FR anmts (Craig Seager, NSW, ADKN)

GAMBIA Twice during first week of April when Reloj and the forever, it seems; present unID 9 pen carrier on 4827 were both off, and Mauritania was booming in as always and was in its normal place, that is 4845--during this time I taped on 4829.5 apx what I am sure is The Gambia, tho I am not sure it is the official The Gambia. Outside of one ID in FR, all other readable words were in EG. Sig very fragile as its tone faded in at 0645 and f/out by 0715--perfect [timing] for an extreme west coast QTH. Most important, I have the IS. If someone has the Gambia IS, send to gh and I will send my tape, and see if we get a match (Maxfield Greenwood, ME)

GERMANY WEST DW S83 EG w/sites: 0100-0150 6040-A 6085 6145=2 xmtxs 9545-MT 9565 9690-M 11865 -M 15105-M. 0200-0250 6065 7285 9690 11945 15235-M. 0430-0515 7150 9765 11765 7225-K 9565-K. 0500-0550 5960-2 6130 9690-2 9545-A 11705-MT. 0600-0630 no changes. 0930-1020 11850-A=2 xmtxs 15275 17780-2 21680 17800-K 21540-K. 1230-1315 & 15[00-15]50 no changes; 1610-1650 7190 9615 15405-2 11785-M 17825-M. 1930-2020 11785 15150-2 17705. 2100-2150 7130-2 9765-2 (NL)

GHANA Doing very well on 4915, EG nx 0600-0610+ (Maxfield Greenwood, Sedgwick ME) GREECE, LMI

GUAM For S83, K1WR has varied EG svcs and fqs: morn 2330-0015 on new 11715; eve 0847-1000 on 11840 (addl 13 mins); 1500-1600 on 9510 (addl 30 mins), per DXLL anmts (Don Rhodes, ADKN) S 83 K1WR fq sked: 9510 1315-1530, 9590 1245-1330, 9600 1445-1545, 11715 2145-2230 & 2315-2400 11730 1415-1500. 11735 0815-1430. 11765 1015-1430. 11840 0845-1030 & 2045-2200. 11920 1415-1600. 15165 2130-0015. 15240 0915-1100. 15265 2130-0015. 15350 0815-1515. 17705 2145-2330 (NL)

GUATEMALA R Tezulutlán 4835 & 2340 sked 2100-0230; R Mam 4825 2000-2400 only; R Chortés 3380 2200-0300; R Maya Barillas 3325 & 2360 2200-0400; La Voz de Nahuálá 3360 2130-0230 (Oscar Osvaldo Juárez, Guatemala, Play-DX 5/9) TGMUB, AWR, varied after 2½ years w/letter from ancr-operator Ovidio Chanchavac; addr: Apartado 35-C, Guatemala City (Arthur Cushen, Apr-May NZDXT) Cadena de Emisoras Unidas in Guat City reported that bcs from R Nuevo Mundo and the Cadena Azul were interrupted briefly 19/8 by a man IDing as member of the Young Officers Movement, ousted from power 8/8. Communiqué read out criticising the new govt. On 9/8, a day after the coup, bcs from two radio stns in Guat City'd also been interrupted by YOs. In a despatch from Panamá City 19/8, ACAN quoted sources in the four main Guat opposition groups - the Guat Labour Party, the Rebel Armed Forces, the Revly Organization of the People in Arms, and the Poor Peoples' Army - as saying the first rebel radio stn'd be on the air 'next' Sept (WBI 25/8)

GUINEA V of Révolution 15313v. 1750-1830+ 10/9: FR pgm 1750-1800 reminding me of RFI; 1800 LV de la Rév ID, t/out; at 1820 retune to EG, "The voice of the Revolution in the Republic of Guinea". Vy interesting nx items such as interest rates of two banks in Conakry and an upcoming mx fest in Guinea. Up to 15314 by 1830 and VOA s/on then on 15315 made futher reception

difficult. One ID taped was "This is Conakry, the Voice of ---" and the last word sounded like Righteousness or something, but not Rev. (Mitch Sams, Wichita KS, OMDC DX Log) more, LMI

GUINEA-BISSAU For those who have not logged this, and especially for west-coasters, unless matters change fast, G.B. has been putting in strongest signal ever, from *0600 to 0720 & beginning to weaken, on 5040. Signal on 10/9, 11/9, 12/9 range from S-9 to +10 db over S9, with free-style mx to 0629, then NA, ID, school lesson in counting, and in lang, then mx or a woman talking in lang, 0658 a breaker, then the G.B. IS and into nx in PT to 0715, more mx; Depending on ute, SINPO has been 43353+ to 44354-. This is a new event I think for the propagation has been G-VG, and do think they actually have their 100 kW mxtr working! Tho I rate it more like 20-50 kW output, but that could be because it doesn't direct to my QTH as well as Yaoundé or Douala, which readout at +20 to +30 over 9, often, in afternoon. There is no evidence of G.B. in afternoon. But for another comparison to G.B., 4890 Sénégal has been at +30 over 9 at same time as G.B. My S-meter has very good rating. I'm still breathing, barely--I have osteomyelitis of my facial bones. I am using a 440' random antenna w/ATU & SX-59, its handles and big gain antenna far better than '7000, and its audio is VG!! (Maxfield Greenwood Sedgwick ME)

ICELAND Utvarp Reykjavík DS is relayed to fishermen on 13797 USB 1830-2000 apx. Main fq is 209 kHz LW, Reykjavík, 100 kW (WBI 1/9) increased from 50; puts readable signal daytime into N coast of Newfoundland, 2500+ km away, on portable ICF-2001 w/built-in ant (gh, L'Anse-aux-Méduses & Twillingate, July)

INDIA Delhi, 9675, EG detailed wx 1138-1145* for later re-bc by regionals, only 7140 ancd, 27/8 (Péter Bunn, ADKXN) AIR ES 583 in EG: 2245-0115 7215 9595 11765 15110 11875 15270. 2245-2400 9730. 0000-0115 17790. 1000-1100 15320 17387 17855 15170 17705 17875. 1330-1500 11810 15335. 1745-1830 9595 11620. 1800-1900 11830 15265. 1845-2230 9665 11620. 2000-2230 9912. 1945-2045 9755 11865. 2045-2230 9595 9912 11755. EG nx 2300 0100 1000 1055 1330 1455 1800 1900 2000 2100 2200(NL)

INDONESIA Per RRI 29/8, its personnel in the capital and in provinces are prepared to provide 24h bc svc if ordered to do so. Dir Gen says RRI has 49 stns w/300 mxtrs, total power 2851 kW (WBI 1/9) I sure didn't think the average RRI stn had 6 mxtrs--are they including auxiliaries? (gh) Or maybe includes FM; anyhow adding up powers is meaningless more, LMI

INTERNATIONAL WATERS R Caroline hrd 19/8 testing on 963 kHz, saying regular pgms'd begin at 1100 next day. 20/8 1100 played the record "Caroline" by the Fortunes, used as a theme by the former seaborne R Caroline, last obs 20/3/80. At 1112, "Good afternoon ladies and gentlemen, and welcome to Radio Caroline on 319 metres, 963 kHz". Believed to be on a ship in the North Sea; gives addr as P O Box 69504, Los Angeles 90069 USA (WBI 25/8) Ho, hum

IRELAND World Music Radio via R Dublin on 6910 29/8 0228 w/jingle ID, Four Seasons mx, M ancr w/Amsterdam addr, more rock (Richard A D'Angelo, PA) No DX pgm? (gh) We have been asked to clarify the legal situation in Ireland concerning commercial local radio: The actual operation of an unlicensed transmitter is a legal offence, but it is not illegal to work for, advertise on, or promote the existence of, a commercial stn. The Irish govt is working on legislation to introduce local commercial radio, and those stns which provide a good local sce w/moderate power, e.g. R Dublin, are hopeful of continuing with a govt licence (NL)

ISRAEL 15/8 Ma'Ariv, Tel Aviv nxpaper detailed plan to improve Israel's image in the eyes of non-Jewish Americans. Scheme'd be implemented next yr, thru 120 radio & tv stns thruout the US, by a US organization called "Christians for Peace", and the Israeli Institute for Propaganda Research, based in Herzliyya. A comms centre'd be set up in Herzliyya to beam 'positive' material on Israel by satellite. Then listeners and viewers'd be able to contact the stn for the cost of a local phone call, and rx answers that'd be given by an Israeli personality based in the Herzliyya comms studio (WBI 25/8) From 4/9 V of Israel has new easy Hebrew pgm 2300-2330 replacing Yiddish; mx, features, weekly HB les, on 21495 15585 11655 9815 (WBI 25/8)

ITALY Bizarre situation on 7215: Radio Manila Torino obviously being relayed w/out permission on a 100 W LSB mxtr. Addr is Via Leini 40F, 10155 Torino. Let director Umberto Clivio know how the mx comes thru in LSB! (Dario Monferini, Play-DX, 29/8) R Europa International hrd in Eu on 9424/9420; addr is Box 1, 18030 Perinaldo-Imperia ("various sources," PDX 5/9) +LMI

LAOS Laotian nx agcy reported 27/8 that construction of a 150-kW radio stn, being built w/ assistance from USSR, was already 60% complete; 'd begun in 1979, to be finished by end of 1984 (WBI 1/9) National R of Laos, Vientiane, ES to SEAs on 7035 & 1030 kHz: 0000-0030 Cambodian, 0030-0100 FR, 0100-0130 EG, 0400-0430 Thai, 0430-0500 Viet, 0500-0530 Camb, 0530-0600 FR, 0600-0630 EG, 1130-1200 TI, 1200-1230 VT, 1230-1300 KH, 1300-1330 FR, 1330-1400 EG. 2300-2330 TI, 2330-2400 VT (WBI 1/9 too)

LIBYA It appears that once'r Jamaheriya responded w/QLS cards the world flooded RJ w/numerous requests. Date, fq, form letter rec'd via Malta addr in 63 days; letter claims they are unable to supply QSL cards because stock has been completely exhausted (Richard A D'Angelo, PA) I don't follow QSL stuff closely, but I thought they never had any, storytelling (gh)

MADAGASCAR Antananarivo, Malagasy ID & fqs 1458 26/8, 1459 brief IDS & off, but continuing on 3288 (Robert Yeo, ADKN) Oh yes, the fq was 6142--this will no doubt interest Mitch Sams & Ernie Behr (gh)

MALAWI Now only one SW fq used, 5995 at 0250-2210 (Richard Ginbey, RSA, NL)

MALAYSIA R Malaysia, KL, has listed 17725 for Eu 1800-2100 from Sept; CH & JP on 11900 1000-1200. Traditional 15295 ANZ 0545-1200, ME 1500-1730 (R. Australia JP DX 3/9)

MAURITANIA Observed on 4828, 4824, 4821 between 10/9 & 12/9 (Maxfield Greenwood, Sedgwick ME)

MAURITIUS Forest Side has been on 4860 for some weeks, ex-4855; BBC nx 1800 8/8 (Craig Seager, ADKN) Hrd on 4860 ex-4855 to 1835* (Richard Ginbey, RSA, NL)

MEXICO LV de la América Latina, 14835, *1200-1235, SP drama, ID 15/8 (Gary Rickerson, Fort Smith AR, OMDX DX Log) On FM? Seems to vary thruout the 14800s (gh)

MONACO TWR G at 0655 w/EG religion on 7160 ex-9495, but seems irregular as back on 9495 12/8 (Matthew Francis, ADKN) On 7160 to 0657*, then 9493, much stronger, 27/8 (Craig Seager, ADKN) 7160 G 0625 mentioning this channel 0630 26/8; next day back on 9 (Peter Bunn, ADKN) TWR S83: EG 0530-0545 (M/W/F/Sun 0600) to ME 11690, 0625-0700 7160, 0625-0840 9493, 0840-1000 Sun 9493. All exc. 0530 are one hour later from 22/10. DK pgm in GM or EG Sat 0745-0800 & 1400-1415 on 7205; one hour later 22/10. 11690 is 500 kW (NL)

MONGOLIA Ulan Bator still having xmtr trouble, hrd on 7313 ex-7138 EG 1200-1250 22/8; noming 11y 7235!)Craig Seager, ADKN(VP w/EG 1210 15/8 on 9615 (Andrew Turnbull, NSW, ADKN) ex-95757(ADKN ed.)

MOROCCO, LMI

MOZAMBIQUE Current fq obs: Emissão Nacional: 3212 (nom 3210) inactive. 4867(4865, varies 4766-6872), 7242 (7240, alternates w/7209/7211). 9618/9619(9620), 11818(11820). No sign of 19mb xmtr. Em Interprov de Maputo & Gaza: 4914(4925) and stable at the moment on 3338 7110 9525. Addl ES xmtr at 1100 on 11841/11848(11835). Regionals: Quelimane 3195/4887 until 2000 (Sat 2215); Pemba on 4857(ex-4858), Nampula irr on 7320v, Beira-B 6092/9688 (Ginbey, RSA, NL)

NAMIBIA Radio SWA, Windhoek, new sked: 3270 0358-0630, 1445-2200, 2201-0358. 3295 0400-0615 1515-2200, 2201-0400. 6185 0615-1515, 7190 0630-1445. Pgm in various local langs on 3270 & 7190; Afrikaans on 3295 6185. AN svc on 3270 & 3295 too (Bob Padula, ADKN Sept) EG again relayed at 2100-2200 Mon/Tue/Thu/Fri incl SABC nx 2100-2115 (Ginbey, RSA, NL)

NETHERLANDS ANTILLES TWR on new 15345 SP Lam 0215 ex-15440, mixed w/Kuwait; using an RAE fq! 27/8)Bob Padula, ADKN(

NEWFOUNDLAND CKZN on 6160 1109 9/9 SE. John's nx, big item: sharp boost in tourism. Commentary about Reagan reaction to Soviet shooting down jet; 1119½ TC for 10½ mins before 9; wx (Richard A D'Angelò, Wyomissing PA)

NEW ZEALAND We understand that w/some 'creative accounting' it should be possible for RNZ to return to the limited spl pgms aired on SW before Ministry of Foreign Affairs made its impudent and imprudent decision of early 1982 to cut funding. Relays of sports already hrd (originating from the Concert Service)[sic--?? gh] and if fingers are crossed, we may also see a pgm to respond to overseas listeners reintroduced before the end of 1983 (David Ricquish, Apr -May NZ DX Times [which has just reached us]) Arthur Cushman's Radio World pgm is on every Fri 1115 over R Rhema 2XG Wellington 1503 kHz, 3XG Christchurch 1503, and 2XL Nelson 801 kHz. International Radio News w/David Ricquish [NZDXT editor] is monthly at 2300 over Access Radio 2YB Wellington 783 kHz; 28/8 & 25/9-(Aug-Sept NZDXT) Ricquish is also on R Australia Spectrum

NICARAGUA A complete list from Dirección de Medios de Comunicación, Managua, does not mention these SW stns which appeared in WRTH 83: 5950, 6100, 11837. The previous call signs YN-- have been changed to HT-- (NL) ! I think HT-- has been a Nic prefix all along but not used for broadcasting. Another way to break with the past? Anyone hrd HT- pfx announced on Nic WW stns? (gh) more, LMI

NIGERIA R Lagos, 3326, 21/8 0130, election special (Giuseppe Zella, Play-DK, Italy) More LMI

PAKISTAN For the first time we've managed to obtain complete details of all HS and ES SW xmtrs, incl powers and beams on each fq; for J83 but most should remain thru S83 (NL) Karachi & Islamabad too lengthy to go into here, but the regionals: (gh) Peshawar 8750 10 kW 0045-0400, 0600-1415, 1430-1800 (Fri 0045-0445, 0600-0803, 1000-1415, 1430-1800). Quetta 10 kW: 0045-0400 4880, 0600-1045 & 1100-1345 5980, 1400-1600 4880 (Fri: 0045-0345 4880, 0400-0803 & 1000-1045 & 1100-1345 5980, 1400-1600 4880). Rawalpindi 10 kW: 0045-0400 5010, 0600-1100 & 1145-1443 7325, 1500-1800 5010 (Fri: 0045-0500 5010, 0600-0810 & 1000-1100 & 1145-1443 7325, 1500-1800 5010 (NL)

R Pakistan, EG on 15505 1700 ID, nx, no fade, 1715 contry, "WS of R Pak" 5/9 // 11670. Turkish svc on 13607 1702 3/9, SC mx, ID ; good indicator of enhanced prop condx to ME & FE (Mitch Sams, KS, OMDK DX Log) Looking at the NL, 11670 is/was Islamabad API6 250 kW 3130°; 15515 was Is'bad API4 100 kW 3130°. 13605 Karachi APK2 50 kW 300° (gh)

EG-lang nxpaper Dawn reported that Fed'l Govt'd launched a pgm for expansion of R&TV coverage in far-flung areas of Baluchistan, northern areas, the NW Frontier Province, Sind and the Punjab at a cost of 776 megarupees. When completed, R & TV'd reach add'l population of 18 mil lion by 1988. A 282 megarupee (radio) development pgm currently being carried out envisaged the installation of a 300-kW xmtr at Khuzdar, 250 kW in Is'bad for ES to ME, 150 kW at Muzaf-farabad in Azad Kashmir, one 100 kW in Peshawar and another one in Karachi, and 14-kW xmtrs in Skardu, Sibi, Lashal, Zhob in Baluchistan (WBI 25/8)

PAPUA NEW GUINEA NRC has renamed radio nets: Radio One is now Karai Service, 1930-1400 incl Port Moresby 3925 4890 9520. Radio Two now Kalangi svc on FM 1930-1400. R Three is Kundu svc, on 19 provincial stns 2000-2200 & 0700-1300 (Trevor Michie, Sept ADXN)

PARAGUAY Current SW situation: (WRTH stn numbers) 14) 5975w 2 kW 1000-1800 irr. 5995 2) is inactive maybe due to tech problems. 30) 6015 1000-1700 & 2000-0100. 17) R Nacional currently using 9735 only but all three SW outlets may be used in 1984. 27) 6110 now inactive due to shortage of spare parts, but expects to return during 1984. 10) 15200 1 kW currently inactive while a new 10 kW xmtr is being installed (Tony Jones, ibid., NL)

PERU New, R Moquegua hrd on 4825 0000-0500+; at s/off gives sked 0900-0500; addr Casilla 22, Moquegua, Perú (Gabriel Iván Barrera, Buenos Aires, Argentina) R Esmeralda, 4502 // 3284; hrd between 7/8 & 14/8 daily, both morn & eve. Presumed mixing product as two fq's now ancd, tho I can't make out whether one is MW or not. R Ayaviri, 4607, daily since 4/8 tho still announc-ing 5035. S/off varies 0300/0530; s/on ancd as 2230 tho reception not hrd before 2300. R A cobamba, 5325, 28/7 & 29/7 after 0100 w/dedications. Left ar arnd 0315 28/7; ID: "Este es el primer poder radial del oriente(?) de Huancavelica." R. Huancayo, 5955, seemingly inactive at this time (Tony Jones, Paraguay, 21/8) Per recent verie, R Cusco sked is 0945-0400 daily (John Wilkins, Wheat Ridge CO, N8AXM) 6194.7 per Juan Carlos Codina, RIB (gh)

12/8, R Nacional del Perú reported the Chief of the Nat'l Info Svc said domestic radio & TV svcs'd have stns on the borders, thus covering entire country and helping to settle border areas. To this end, xmtr & repeater stns, linked by satellite'd be installed thruout country. Border stns'd been setup in Tacna, Puno, Tumbes, Puerto Maldonado as well as Iquitos. Improve-ments in the DS'd be carried out w/economic & tech coop from W Germany (WBI 25.8) more, LMI

PHILIPPINES FEBC, Manila, good reception 2300-2400 in EG on 15450, // 15440 15460 21515 (RA Japanese DX Time 10/9) Tentative S83 FEBC sked includes EG: 2300-1000 21515 2 kW; 0000-0500 15305, 0500-1000 11890, 1245-1600 15440. R Veritas Asia S83 EG: 0000-0030 15195 15280, 1430-1500 11955 15240 (NL)

QATAR QBS, Doha, S83 sked on 250 kW: 0700-1300 21525, 1300-1730 17895, 1730-2130 11740, 0245-0700 11885. Addr is P O Box 1414 (RA Japanese DX Time 3/9)

SAIPAN KFBS, FEBC stn received FCC approval for this sked w/100 kW, due on the air in Oct: 0900-1100 15115, 1100-1300 15150, 1300-1500 9575, 1500-1730 15110, 2100-2200 9505, 2200-2400 15125. Two more 100 kW xmtrs due to arrive on site at yearend or yearbegin (Ray Alvarez, FEBC Saipan via Rob Williams, NL) The initial 100 kW xmtr has been around since 1944 w/KGEX San Francisco, then VOA, AFRTS; 1953 to Okinawa & Philippines, 1959 as VOA relay, then only 100 kW xmtr at VOA Okinawa, closed down in 1977, when FEBC bought it (Rob Jones, Australia, NL)

SA'UDI ARABIA BSKSA fq sked for S83 shows DS Genl Pgm in AR from Riyadh to Eu: 1700-2130 on 11820 9870, 2130-2300 9885 9870 (WBI 8/9)

SOUTH AFRICA Capital Radio, Transkei sked 0300(Sun 0400)-0530 & 1530-2300 on 3930/7150, 0530 -1530 7150/9765 (R Ginbey, RSA, NL)

SUDAN [see also EGYPT] Genl Pgm of BCing Svc of the Dem Rep of the Sudan hrd *0400 5/9 on 5039; opening anmt said to 2200 on 5029 (sic) (WBI 8/9)

SWAZILAND Swaziland Commercial R uses 4980 from s/on to 0500 and 1630 to s/off; 6155/9704 at 0500-1630 (Richard Ginbey, RSA, NL) more, LMI

SWEDEN R Sweden EG to Nam S83: 0230 & 2300 on 9695 11705; 1400 on 21615 (Josh Gaffin, NY NY)

SWITZERLAND R City Int.[ernational?] is a Swiss pirate with ambitions. It tested on 15030 in March & April (without success?) and it plans to be active towards yearend. Two IRCs to Post fach 1118, CH-8036 Zürich, should bring info about stn incl future skeds. 25920 may also be used in these future plans (DX-Special via DSWCI SW News, Aug)

TAHITI New name and ID of the former FR3 stn is Société Nationale de Radio-Télévision Fran-çaise d'Outre Mer (RFO). In Tahitian, "O Tahiti teie te RFO". New sked is FR: 1600-2045, 2200

-0300, 0600-0620; Tahitian 2045-2200, 0300-0600; FR/TH 0620-0730. Nx in FR 1600, 1630, 1730, 2000, 2200, 0600. L.P.: Dir. Tac: M. Ollivier, Dir. Info: J.P. Jondot (BFO via NL) New sked is on 6135 11825 15170 1600-0730(0900 UTC Sun). FR nx relayed from Paris at 1615 1645 1715 1800 2230 0700. EG svc 1900 (Patrick McDonald, ADXN) The EG has been marked out on their sked for a long time; not any more? (gh)

TAIWAN WYFR China & India svc: China in Mandarin: 1100-1600 & 2100-2300 on 7130 & unknown fq; 1210-1410 & 1420-1620 on 9765. India 1300-1600 on 15525 in EG (WYFR via M.L. Flannagan, Jr., Charlottesville VA)

TANZANIA R Tanzania, 9749, 3/9 2025 in lang, 2029 hi life mx and ID. Very surprised to find this in the afternoon w/almost good sigs (Mitch Sams, KS, OMDC DX Log) Observed SW sked: Natl Svc 4785 0300-0700 & 1300-2100, 5050 0300-0700, 7165 0300-2100, 9684 0500-1530. Commercial svc 9749 Mon-Fri 1300-1525; 5050 1300-2015. ES: 0330-0430, 0900-1030 (Sat/Sun 1530) & 1530-1915 on 9749. Schools pgm: Mon-Fri 1200-1300 on 9749 (R Ginbey, RMA, NL)

THAILAND R Thailand, Bangkok, DS 2230-1600 on 7115 6070; 2230-0700 & 1000-1600 on 4830 (WBI 8/9)

TOGO Rdf-TV Togolaise, Lomé, "La Voix de la Nouvelle Marche", 100 kW: 0530-0805 5047, 0805-1705 7265, 1705-2400 5047/ Regional stn, "R Kara, LV de la Nouvelle Marche" 10 kW on 6155 & 3222 at 0525-0835, 1200-1435, 1630-2305 (Sat/Sun 0530-2305) (WBI 25/8) Anyone care to reveal what this "Nouvelle Marche" derives from? (gh)

TURKEY, LMI

U S S R BC in Russian from regional studios of R Leningrad *0715 on 12020 w/IS, ID, pgm summary, nx; seems only on weekends, as other pgms hrd on the fq weekdays (Philip Harrison, Armadale WA, RA JP DX Time 3/9) R Yerevan has been hrd in AM to SAm 2200-2300 on 15210. They also announce another fq for this, but untranslatable due to hvy QRM. From Oct, some fqs'll change and all xmsns except this one'll be an hour later (Andy Jordan, NL)

U K O G B A N I R Clyde hrd 19/7 to 2158* on 3247, EG anmts, commercial mx pgm w/DJ Robert Alex; hvy QRM. Is this a UK pirate? (Mick Blockley, NSW, ADXN) Yes; vy interesting logging (Peter Bunn, ADXN ed.)

Not unlike US TV, BBCWS is starting a new fall season of programming (The timing, I mean, otherwise there is no resemblance!) One new thing is a Phone-In pgm starting in Oct, Sundays at 1630-1730 w/a break for the news. This month's guests: 2nd, Bobby Charlton, on the team, which won the World Cup in 1966; 9th, David Attenborough, presenter of TV series Life on Earth; 16th, Yehudi Menuhin, virtuoso violinist; 23rd, Robert Runcie, Archbishop of Canterbury; 30th, Margaret Thatcher, P.M. Here's how: 1) write ahead w/your question, phone number and location to: World Phone-In, BBC World Service, Bush House, Strand, London WC2B 4PH, or 2) ring in an hour before xmsn or during it on London 580-4411 (if dialling direct prefix local intl code, then 44 1) You may then be rung back to take part. As a result, Letter from America moves back to 1615. From 3/10, the 1800-1830 block is another Newsdesk (as at 0400, 0600) instead of News, News About Britain, Radio Newsreel. Listening Post has been succeeded by Monitor, with perhaps less bias in the items presented, Weds 1709, Thurs 0030 & 1015. Brain of Britain quiz series finally reaches championship by the end of Oct, Sats 0830, Suns 1830, Mons 1215, 2330. Current fq sked for Nam/CAM/NWSAm: 15260 1600-1709 (weekends 1500-1745) via Sackville, and 2000-2330* Ascension, 15215 1100-1330, 15070 1100-1745, 11910 2300-2430, 11835 0030-0230, 11775 1100-1330 Antigua, 11750 1500-1615 Singapore, 2000-2300 UR, 2300-0330 Asc, 9915 2200-0230, 9740 1500-1745 Sing, 9590 2200-2430 Sack, 9515 1600-1709 (weekends 1500-1745) Sack, 0030-0330 Greenville, 9510 0430-0915 Antigua, 1100-1330 Sack, 7325 2200-0330, 6195 0900-0915 & 1100-1330 Antigua, 6175 2000-0730 Ant, 6120 2200-0330 Sack, 6005 2345[sic]-0330 Asc, 5975 2115-0630 (Oct London Calling)

U S A At present, WYFR uses five 100 kW and two 50 kW xmtrs, with six log-periodic antennas. By end of 1984, three more 100s will be added, together w/six addl LP ants (WYFR via ADXN) WYFR 583 fq sked: 5985 3350 2252-0300, 5985 285 0300-0715, 6065 315 0052-0800, 7355 44 0352-0800, 9535 355 2052-2252, 9680 44 0600-0800, 9715 285 2352-0452, 9705 285 0452-0800, 9815 44 0600-0800, 11740 222 0200-0500, 11830 355 1145-2052, 11855 142 2352-0152, 11855 222 0152-0600, 11925 44 2200-2252, 11960 44 0500-0600, 12030 44 0600-0800, 15215 160 2252-0600, 15130 142 2052-0200, 15365 315 1445-0052, 15440 44 1545-2252, 17805 160 2252-0352, 17845 44 1545-2252, 17875 142 2252-2352, 21465 44 1545-1752, 21510 44 1752-2052, 21525 87 1545-2352, 21615 44 1545-2200. Sunday addl xmsns: 15385 160 1145-1545, 15440 222 1245-1545, 17730 142 1245-1545, 17785 160 1145-1545, 17875 285 1245-1545 (NL)

VOA on 15480 at 1945 9/9 in Eu lang (Chuck Oliver, Spring TX) New 00B

Re China [Sept LN], time stations, UTC & UT1: WWV also bcs UT1 once each minute in encoded form. This is done w/ the double seconds ticks near the start of each min. This gives the fraction of a second lead or lag that UT1 has compared to UTC. UT1 is important because it is used in celestial navigation. UT1 is erroneously abbreviated UTI in the WRTH section on time stns. Mr Frost has assured me these typos will be corrected in the next edn. I hope he looks over the whole article as I only pointed it out in reference to CHU, but also see Nauyen (Aint [or Clint?], "Anomalous in North Texas")

VANUATU I believe that R Vanuatu save up rpts and answer in a bunch, so don't worry if you have an overdue report to them (Geoff Cosier, Down Under DX Survey 12/9) Once in a while someone asks me where in the world this is. For anyone who has still not gotten the word, Vanuatu are the former New Hebrides (gh)

VATICAN Vatican R, 16/6 *1145 in FR on 21845, ex-21485 (D Houghton, UK, DSWCI) Why not simply a punch-up error? (gh) VR on 6252 at 0530 10/9, anmt in IT, SP, EG // 9625 (C Oliver, TX)

YEMEN NORTHWEST Form letter verie rxd in 56 days for 4853 at *0300; had fq, date, SINPO. Currently 9780 is clear most evenings at armchair levels (Richard A D'Angelo, Wyoming PA; 11/9)

ZAMBIA Genl Svc from Lusaka, 3346, now reported as inactive by a DXer in Tanzania (AWR-Eu via a Jonathan Gordon-Till, England, ADXN Sept) S83 official sked of R Zambia: Home Svc: 0500-1615 6060 20 kW, 0600-1530 7220 50 kW. Genl Svc: 0500-1700 6165 20 kW, 0600-1630 7250 120 kW. Extl Svc: 0530-0730 & 1050-1250 on 11880 50 kW 188°, 1530-2130 9505 50 kW 188°, 1730-1930 6060/6165 both 20 kW. Omnidirectional exc as indicated. Due to tech problems, following are sked but inactive now: 0530-0730 7235 50 kW, 0630-1400 9580 2.5 kW, 1050-1250 17895 50 kW. Thus it appears that one 50 kW and a low power 2.5 kW unit are inoperative (NL)

ZIMBABWE ZBC R2 once again on 3306, ex-3306. Has own late night pgm Fri/Sat 2030-2300 (Richard Ginbey, RSA, NL)

CLANDESTINE CRANNY Red Star Station ? tentative on 10721, 30/8 1105-1110 fade, woman in orlang speech cadence, maybe Chinese numbers as Crawford previously reported; // 8399 not audible at all. Only morn I had even a trace of this (John Santosuosso, DX South Florida)

Radio Sparks broadcasts every hour and 15 & 30 mins after in the period 0900-1115 on one of: 7170, 7285, 7525. Each xmsn lasts about 10 min. S/on & off w/"The International". Other 'stns' which use these fqs are R Proletariat, or the V of the Liberation Army. These and the following stns are for China (Seiichiro Kiyota, Japan, Sept ADXN--which has just started a cland column, edited by Matthew Francis)

"Central People's Broadcasting Stn" is a phony, obviously trying to mislead listeners. At 1200 & 1400 on one of: 5020, 5200, 7200. Rebroadcasts tapes of the genuine CPBS and adds its own spurious comments (ibid.)

R October Storm, every hour and 15 & 30 after between 2100 & 2300 on one of: 7175, 9675, 9730. The location of the above three stns is believed to be a boat in the East China Sea. However,

Radio 8-1, a fourth stn, is believed to operate from Vladivostok, symbolising August first. Hrd every 27 & 57 mins during 1157-1527 on 12120 for 5 min xmsns. All these are irregular (Seiichiro Kiyota, Japan, Sept ADXN)

V of the Revolutionary Party for Reunification of Korea, 4120, strong in EG 1412-1429 1478. And bcng from Seoul but w/fqt ments of "the great Kim Il Sung" I presume this is in North Korea (Andrew Turnbull, NSW, ADXN)

R Tropical on 7295v, last hrd 13/3, EG pop mx, ID 0827 ("C.S.", Apr-May NZDXT) R Tropical, V of the Nuclear Free Pacific; also IDs at "7 Degrees North R.". Gives GMT+12 TCs and greeted listeners thruout Pacific. Location appears to be Majuro, Marshall Islands (Bryan Clark, Ibiid)

R Truth "unofficial" gossip around the offices of the Johannesburg Ministry of Transport is: that R Truth is operated by the Ministry of Foreign Affairs & Information! 1730-1930 in Shona & Ndebele on 4902. Aim of pgms is to set the Matebele against the ruling Shona. EG pgms 0400-0430 or 0500-0600, times vary, on 6010. Hrd in Eu, but so far I've only been able to hear the 1730 on 4902 (Michael Robinson, Sept ADXN)

V of the Broad Masses of Eritrea, supporting Eritrea Popular Liberation Front, hrd during its 1430-1630 series of xmsns 5/9 on 14334, 9935, 7421, 6233, 3717, and as: 14.34, 9.93, 7.43, 6.25, 3.76 MHz (WBI 8/9)

V of Libyan People, 11988, *0530-0545+ 28/8, AR, unhrd here lately, strong open carrier at 0530, retune at 0537 to AR chants and hvy jamming; no ID (Mitch Sams, KS, OMDX DX Log)

V of Palestine, V of the Palestine Revolution 24/8, Tunisian radio quoted Jordanian newspaper "ash-Sha'b" as saying that following recent meeting in Tunisia of the Executive Committee of the PLO, a committee'd been formed to supervise setting up a Pal bcng svc which'd commence its relays shortly (WBI 1/9)

Voice of Truth/Lebanon LMI

Our Radio - V of the Communist Party of Turkey (Turkish: "Bizim Radyo" - "Turkiye Komünist Partisinin Sesi") pgms mainly in Turkish w/occl items in Kurdish. During summer time all xmsns except those on 9500 & 5915 are one hour earlier than shown. These are thought to emanate

ate from Romania; remainder--11820 9585 6200--originate from xmtrs in GDR. BCs from Our Radio which supports the Com. Party of Turkey, first hrd 21/3/58. Xmsns titled "VOCPOT" first hrd 1/71, the similar monthly xmsn aimed at Turkish workers in the Fedl Rep of Germany by the pro-communist "Freedom Stn 904" began in 1968. SW svc introduced 15/12/74. Twice weekly xmsn on MW from GDR that to've been discontinued before 23/11/78. VOCPOT bcs on behalf of the Communist Party of Turkey. Skeds: 0200-0250 VOCPOT & 0300-0350 OR both on 11820. 0400-0450 VOCPOT 9585 exc Sun on 11820. 0500-0550 OR 9585, 0600-0630 OR 9500. 0600-0650 VOCPOT 9585, 0700-0750 OR 9585. 0800-0850 VOCPOT, 0900-0950 OR, 1000-1050 VOCPOT 9585. 1015-1045 OR 9500. 1100-1150 (this xmsn also one hour earlier summer) OR 9585. 1200-1245 Sun VOCPOT & 1300-1350 OR Sun both 9585. 1400-1450 VOCPOT 9585. 1445-1515 OR 9500. 1500-1550 OR 9585. 1600-1650 VOCPOT 9585. 1700-1750 OR 6200. 1740-1810 OR 5915. 1800-1850 VOCPOT, 1900-1950 OR, 2000-2050 VOCPOT all 6200, 2000-2030 & 2030-2100 OR 5915. 2100-2150 OR & 2200-2250 VOCPOT 6200. (WBI)

1/9)

La Voz del CID via Ecos del Torbes, Venezuela, 4980, 9/9 0214 w/R Antonio Maceo pgm, SIO 3+43+ (Richard A D'Angelo, PA) unID anti-Castro stn on 7352 8/9. 0220, nice mx w/short comment between; also 14/9 0215, G (Chuck Oliver, Spring TX) See also DOMINICAN REPUBLIC! more, LMI

LV de Alpha 66, 7038v, 25/8 0102 MEX w/usual anti-Castro tk, several IDs, no sign of my favorite ancr "Old Gravel Throat", hi (W J Parks, FL, DKSF). 7038.8, 27/8 0107-0114, VG at t/in w/M IDs, fairly mellow anti-Castro pgm till cllobbered by (& don't confuse w/) R Farabundo Marti 7040v 0113. The anti-Castro & anti-Sandinista groups are pledging cooperation; let's hope fq selection is on the agenda! (Terry L Krueger, DKSF) 7039v, 23/8 *0100-0130*, slightly new IS, theme song, ID "para el pueblo de Cuba que sufre, aqui está LV de Alpha 66". Much talk of "sabotaje y atentado" and plan "Máximo Gómez". "Comentario Editorial" by Dr. Diego Medina. Ancd sked M-F 9 pm 7050, S/off w/"hemos presentado LV de Alpha 66, por un mensaje de libertad para el pueblo de Cuba que sufre". Quite strong but bcs are sporadic. (Steve Reinstein, DKSF)

R Mambi, 7076, *0000-0012* 26/8, s/on w/old A66 IS, ID then woman w/sked of daily 7 am & 8 pm on 7070-7080 kcs". Much talk abt Mambi symbol "la estrella con cinco puntas". Huge FM spurs 7603 & 6549 (Steve Reinstein, DKSF) Also received full data Certificado de Sintonía, v/s Cefe rino Pérez; and personal letter, batch of brochures from Dr Manuel A de Varona, president, Junta Patriótica Cubana. Addr: P O Box 350492, Riverside Stn, Miami FL 33135. A much better reply here than the one rxd last year from Cap. Alvarez (ibid.)

R Farabundo Martí, 7046v, 25/8 0112-0133*, strong & jumping to 7057 the unfjammed; // 6930 hca vely jammed. Ancd weekdgy sked 6:30 am, 12:30 pm, 7 pm "desde Chalatenango". S/off w/"my buenas noches, heróico pueblo salvadoreño" (Reinstein, DKSF) more & R Venceremos, LMI

R Soberanía Nacional, 6960, 24 & 25/8 *0005-0026*. S/on w/NA of El Salvador, ID, sked as 6 am 12 noon, 6 & 8 pm on 6960 & 7050, but not hrd on 7050. Seems to be pro-ruling junta & anti-communist. Perhaps an ES "black" cland? On 7075 28/8 *1205-1228, powerhouse sig, still ancd as 6960 & 7050. Definitely pro-govt and ment "propaganda del FMLN". Finally some competition for R Venceremos. Wonder if using YSS[S] xmtr? (Steve Reinstein, DK S Florida) Uses both 7075 & 6960 at 0000, 0200, 1200, 1800 in SP, pro-govt. First hrd 14/8; describes self as "V of a free people who resist the slavery of international Marxism, the v of a people who live and respect human rights, who offer their blood to prevent a violation directed from Moscow". (WBI 1/9) Further monitoring shows xmsns apx 25 mins long, and 02, 12, 18 repeat the 00 (WBI)

R Miskús, 6965, 10/8 2255-2316* G lvl w/campesino tunes, Indian lang talk, ID in SP as "R Miskús, la voz de los Miskitos, Sumos y Ramas", s/off after Nic NA (Steve Reinstein, DKSF) On 6965 20/8 2233-2317* mostly political talk in SP & presumed Miskito; s/off w/guitar melody & anthem. Clear IDs (Henry Lazarus, LA, DKSF) less, LMI

/+ LMI

LV de Sandino & LV de Nicaragua Libre; the two ARDE stns seem to be again sharing a single xmtr which varies around 6220; still begins at 0000 or shortly thereafter (Aug-Sept SWNS)

Spy Numbers Bill Whitacre on the 18/8 Media Network said DF by US govt has traced the 4765 Mayak relay to a site near Habana. Meanwhile, SP #s stn operates on 4665-a every Mon & Thu GMT at 0300 and often also at 0200. Thus we had unique opportunity to compare propagational behavior of a #s stn with that of a xmtr on nearby fq known w/reasonable certainty to be nr Habana. We did this with our "Fraud Finder" technique: if stns are at same site, or in same area on nearby fqs, & sig strengths are measured on two different rx antennas, the two sigs will increase or decrease by the same amount when switching from one ant to another. This assumes accuracy of measurement and HF sig strengths are constantly fluctuating; thus consistency of result is the key to reliability. For this experiment, we used a 30m N/S longwire and a 10m vertical. 22/8 0205-0245 the #s stn showed a consistently greater drop in sig strength when switching from the longwire to the vertical than did Mayak. Similar results were noted on other dates but not for the same length of time. This experiment did not take into account possible error due to cross polarization effects (i.e. one transmitting array vertically polarized and the other horizontal). Generally it is assumed that once an HF sig has been propagated by the ionosphere, polarization, with respect to the receiving antenna, becomes random. Nevertheless, to eliminate entirely polarization as a factor, a second set of observations was conducted using only a single receiving antenna, the horizontal longwire. If

two stns on nearby fqs operated from the same xmtr site, or nearby ones, the difference in average signal strengths will be the same from nite to nite (assuming no change in power or transmitting antennas) because they will be subject to exactly the same changes in propagation condx. During the period 0310-0335 8/8 the #s signal averaged 9 db weaker than Mayak, 0250-0300 11/8 (prior to start of xmsn) was at least 9 db stronger than Mayak, 0155-0200 15/8 #s averaged 9 db weaker than Mayak, 0205-0245 22/8, 0300-0305 25/8 and 0200-0215 29/8 - on these three dates #s varied between 0 and 3 db weaker. Based on both sets of observations, we can see absolutely no reason to believe the SP #s xmsn on apx 4665 emanates from R Habana Cuba's xmtr site. (C M Stanbury II, Ridgeway Ont, SWNS)

NORTH AMERICAN PIRATES

KPRC, 1616 kHz, 12/8 0515-0643*, 55445. Played lots of rock, phone caller. Pirate Joe said aim of KPRC was to promote the idea and be a small but active force in the cause of world peace. Commented that it was scary to think of laser weapons in space. Took calls at 212-352-9906 and announced Exeter NH addr. Also ancd being on 6210 SW but not hrd--I don't think it was even operating. Pirate Joe also requested people to send in records to play over the air. S/off 0639 then into "Good Night, Irene" and off 0643* (Nolan Stephany, Williamson NY) KPRC hrd 10/9 0439-0512 on 6210 //1610, both 343 but SW better. Rock mx hosted by Pirate Ed Armstrong who interviewed an unID 'guest' that spent summer in Europe. Spent a good 20 mins in light conversation, no phone calls because Ed didn't know how to operate console (Richard A D'Angelo, Wyomissing PA)

V of Tomorrow, LMI

The Crystal Ship Full data QSL card signed by The Post rec'd in 61 days for SASE. Note: ~~not~~ Radio Crystal Ship (Richard A D'Angelo, PA)

Radio USA, 7430 LSB 0206-0223 t/out when having modulation problems. Rock, mentn they weren't normally on this fq, recorded promo, more rock. G until tech problems. QSL appreciated (Gerry Dexter, Lake Geneva WI, 22/8) Was that also the date of reception? When I put the date in the credit () it means the date of correspondence or publication, which may or may not be the same as date of reception. Otherwise, I feel dates belong next to times, and can't understand why so many DX editors like to put them next to reporter credits instead (gh)

R Clandestine this time on 15220, 17/9 1645-1700*, G w/rock, R. F. Barnes. At first thought it was Nederland (Jim Conrad, Waterloo IA)

UNIDENTIFIED

15045 What is the purpose of the jammer I have heard so often since 18/6? Consists of at least two simultaneous, superimposed all-talk pgms in a Slavic lang w/no ID. DSB w/reduced or suppressed carrier. Jamming modulation starts abruptly (both speakers, usually a man and a woman) just after 1500 UTC and ends abruptly around 1545-1550. Jammer ID "GI" is sent in Morse twice, each 30 secs as is the Soviet custom. There is no noise modulation, only the voices, and there is no apparent voice identification. Strength is fair to excellent, depending on conditions that day. I have never hrd a victim or target broadcast, tho I can sometimes hear R Moscow w/their Mayak IS on same fq just before 1500 when the jamming begins. Jammer can be hrd on both my R4C and SB310 rx, so I doubt it is a receiver spuriousity. ??? (Martin Potter, Limoges Ont, 30/8)* 20/9

10073 Spanish political speeches, some marchmx. Close to old "Mother of Vietnam" fq; many ments of Chile but no ID; hrd to 1400 past 1450 f/out. Could be Vietnam, but prop suggests a different location, 8/8 (Mike Willis, Vic., ADXN)

9545 Spanish Castro-like ranter at 1015 9/9, battling w/Solomon Islands. Couldn't understand either (Chuck Oliver, Spring TX)

6228 Strange stn or pirate at 0430 GMT Sat 30/7; last 12 notes of US anthem repeated over & over to 0433*, back at 0443 w/pop songs & closed w/African-type mx to 0504*; good sig, but some distortion & QRN; Scottish R Freedom was listed on this fq July LN-23, but seems rather unlikely (Ernie Behr, Kenora Ont)

5982 Weak signal 0225 8/9 w/EZL vocals, sounded like SP over between songs. Possibly Mexican XEUJ? (Mitch Sams, Wichita KS, OMDC DX Log)

5340 Relay of Ft Lauderdale's "97 FM" hrd in Texas around 0200 22/8; clandestine (SWNS)

5325.2 Peruvian, too weak to copy 14/9; R Santa Cruz? (Richard Stoller, Bogota DE, Colombia) Closest one to this reported by Juan Carlos Godina, Lima, in Sept RIB is 5324.9, R Nueva Acobamba, or just R Acobamba, w/more powerful xmtr since 12/7 (gh)

4820 In FR, poor w/a bonjour at 0510, then mx until 0550* apx; in gets stronger after 0510. Angola unlikely (Maxfield Greenwood, Sedgwick ME)

LAST MINUTE ITEMS

BOLIVIA R Fides, 4845, slick operation for a 'religious' stn, 0200 pgm called "La Hora 22"; slogan: "LV de Bolivia" (sic). Bucaramanga is inactive. R (Nueva) (?) Cobijs, 4855a, "Cobijs, Pando, Bolivia", w/romántica/pop & slick ads for stuff you wouldn't expect to find in Cobijs, which is as isolated as can be. Seemed to give AM, FM(!), & "4855, banda internacional de 60 metros" (Richard Stoller, Bogotá DE, Colombia, 14/9)

BRAZIL R Cruzeiro do Sul, 4115a, most evenings at poor level, urban mx fare and lots of "atenção"s (Richard Stoller, Colombia, 14/9) R Clube, Rondonópolis, on new 4955 ex-2480, 13/8 *0900-1000+ P-F in Aug; till 0930 religious pgm, then PY mx; 0932 ID w/4955 & 930 (Aoi & Inoue, Japan, Radio Nuevo Mundo) R Gazeta, 5954.9, sked w/QLS: ZYE692 5955 2330-1900; ZYE693 9685 2330-1400; ZYE694 15325 1800-2300 (Inoue, RNM)

CAMEROON R Douala, 4800 3/9 2159-2200*, then 4785 *2201-2300 w/local pgs (P L Calligaro, Uag ne, Italy, Play-DX)

COLOMBIA "Emisora Nuevos Horizontes, La Onda Musical", 5750a, V*0000-0255*. No call sign, fq given as "52 metros". QTH is: "José María Hernández", which is probably a barrio of Ipiales (Dpto. Nariño), since JMI doesn't exist on any maps, and some references to Ipiales. Folksy opn, no AM xmsns; 12/9 (Richard Stoller, Bogotá DE, Colombia)

CUBA Mayak relay hrd on 3345 2200- 6/9; earlier that day had been on 4765 to 2000* (WBI 15/9)

CZECHOSLOVAKIA In a despatch 5/9 quoting ČTK, TASS reported that Cz R bcs pgms for listeners abroad in AR, EG, SP & FR for about 40h a day. R Prague maintained stable contacts w/listeners and had rxd over 146 kiloletters in 1982 (WBI 15/9)

DOMINICAN REPUBLIC Since the ending of V of CID bcs on 10/8, R Clarín has been hrd carrying a SP ES 1700-0200apx on 11700; R Earth in EG 0200-0300 continues. In its 31/8 issue, Listín Diario reported that the Executive Branch's Legal Dept had determined that the Genl Directorate of Telecomms--DGT--had the legal authority to suspend a radio pgm produced by R Clarín aimed at criticising the Cuban govt. DGT did not have to go thru courts to suspend pgm in question. It was not a simple case of exercising the freedom of expression but of a systematic political activity against a foreign govt by using the DR, regardless of the consequences. An offl added that RC had been violating the country's constitution, the criminal code, the law on expressing and disseminating thought and the telecomms law. The Executive Branch's legal advisor had said that the law even authorizes the DGT to cancel the licence or permit of any being stn for violating the law; therefore "it was obviously authorized to suspend one pgm" (WBI 15/9) Whew! R Clarín was back on air 21/9 GMT 0200 w/Earth, citing electrical failures keeping it off for a while; played Sat nite pgm on Tues instead (gh)

ECUADOR LV del Río Tarquí, 3285, hrd AM & FM here, F-G but smeared by LV del Napo 3280. Mixed bag of mx, HC folksy in morning, romántica/pop eves. Lotsa "atención" anmts, esp. to Armed Forces personnel in the Oriente. I would guess this is different from the Rdif Tarquí reported on 4973, unhrd here; 12/9. 4995, [R Baháí]; addr give as Apartado #10, Otavalo (Richard Stoller, Bogotá DE, Colombia)

FRANCE TDF info says RFI in Russian began officially 5/9, daily 0300-0330 on 9745 7135 6045 (WBI 15/9)

GREECE VOG in GK to NAM 0000-0150 E, 0200-0350 W, hrd on 12085 ex-11645, 9865 9420. 0400-0430 GK to Arab World on 9865 9420 7370 ex-11645 (WBI 15/9)

GUINEA RTV Guinéeenne, Conakry DS "Rdif Nationale, LV de la Révolution", 100 kW on 15310 9650 7125, 18 kW 6155 4910. 0600-0800(not Sun), 0800-1230(Sun), 1230-0100. In FR, Local langs & EG 1830-1930 starting w/nx (WBI 15/9)

INDONESIA During celebrations marking the 38th Radio Day on 11/9, RRI reported the Info Minister as announcing commencement of 24h being on RRI. Expand sked would allow more rural education pgms. There were 539 non-RRI stns, including private commercials (WBI 15/9) RRI Surakarta, 4899, 1620-1700* 6/9, 7/9, 9/9, 10/9, s/off w/Love Ambon (Zella, Cotroneo, Lawendel, Play-DX, Italy)

ITALY Time Radio, Firenze, 6145, 28/8 1130 ID ("ACA", Play-DX, Italy) New fq 7110 ex-6145, 11/9 1200-1400 (Dario Monferini, ibid.) R Milano International new 7290 11/9 1530- to avoid superpower UKOBANI [sic, that's UKOGBANI] on 7295. Day before was on 7295 10/9 & 11/9 0730-1530, foreign svc, not // FM & AM, Roger Kirk Show in EG. Reports very much welcomed on this new fq, to RMI, c/o Play-DX, Via Davanzati 8, 20158 Milano, Italy. A Poster will be sent (D.M.)

MOROCCO R Mediterranean Intl, "Médi-1", commercial stn for Morocco, Algeria & Tunisia, has 200 kW on 1233 Tangier, 300 kW 612 Sebaa-Aioum, 1200 kW 173 kHz Nador. 0600-2400 (Sun 0800-). In March 1983 [for how long; not any longer?] this was hrd for trial period on two SW xmtrs, using 17795 17730 15550 15250 11825 11715 9520 7250 7175 5950; in FR & AR (WBI 15/9)

NICARAGUA LV de Nicaragua QSL gave sked 5950 1100-1300 & 2300-0500; 11715 1100-1300. 200 people work there, incl técnicos, locutores, periodistas, conductores, programadores, y personal de servicio. Ant. is "Dipolo de Jaula" [lit., cage dipole--quad?], 80 feet high. W/ pennant, newspaper, books, stamps in 2 months (Inoue, Radio Nuevo Mundo, Japan)

NIGERIA Borno BC, 6099, 4/9 & 5/9 0410-0418, QRM YVTO (Zella & Cotroneo, Italy, Play-DK)

PERU R Chota, 6293a, erratic. PMs only about 50% of them. Stn is inserted-carrier, so when there's little audio, there's little 'signal'. unID Peruvian on 5325.2, 14/9, too weak to copy, R Santa Cruz? (Richard Stoller, Colombia) LV de la Selva, 4825, loud PMs w/long ad strings, incl stores 'across the street from LV de la Selva studios'. Iquitos is of course a cozy village of 200 kilopeople! 13/9 (Richard Stoller, ibid.) R Visión, Juanjuy, 5359.6, *1110v-1200f/out, F-P in August, s/on gives 1545, 3810, 5360, "la frecuencia internacional". Mon-Sat pgm Música Folklórica, Sun pops La Suena Música (Inoue & Sakai, RNM) R LV de Huamanga on new 6199.7, 21/8 1058-1140f often in Aug, QSY from 6070 (Sakai, Inoue, RNM) R Oriente, 3284, QSL after 2 yrs says established 12/7, sked 1130-1700, 3 kW on SW (Inoue, RNM)

SWAZILAND TWR on 3357.2, 7/9 1750* in vern, previously unID (Giuseppe Zella, Italy, Play-DK)

TURKEY VOT ES in TK for Turks abroad 2255-0300 hrd on 11755 9730 9515. 0300-0400 Azeri now on 9670 7205, EG Nam 11755 9730 (WBI 15/9)

VENEZUELA R Táchira, 3834/5826, ± 1004 kHz spurs [from 4830], low one is loud all day, high one is weaker but as such easily mistaken for Something Exotic (Richard Stoller, Colombia)

C L A N D E S T I N E R Guazapa not obs since 1/6 (WBI 15/9) R Miskús was last obs 4/7 (WBI 15/9) Sez you (gh) R Venceremos/R Farabundo Martí Monitoring indicates RV bcs reduced to 30 mins since 29/8; recently hrd on 6800 //6750, both ± 10, ancing "2 SW fqs betw 6.6 & 7 MHz" at 1215, 1830, 0000, 0230 (Sundays 1400, 2000, 0230). Addl FM for 0230 to San Salvador. Gives ad-dr as P O Box 71-907 [sic, I thought it was 7-907], México DF, Mexico. 4/9 unsked bc from RV hrd 0330-0622 w/reports on mily situation in Morazán. In its 0100-0200 31/8, RFM was hrd being a report from RV for the first time (WBI 15/9)

LV del CID network: R Máximo Gómez, 11700 1630-0030 (exc Sun) via Clarín, discontinued 10/8. R Antonio Echeverría, 7475 (ex-7412), 0100-0130 (not Sun/Mon), no longer hrd but still ancd. R Antonio Maceo, 4890 [sic--s/b 4980], 0105-0135 (not Sun/Mon) via Ecos del Torbes, San Cristóbal, Venezuela. R Ignacio Agramonte, 5106, 1100-1200 (not Sun), 0030-0330 (not Mon) --note, 1100 contains similar contents to R Antonio Guiteras. 0030 often prolonged to 0500. R Antonio Guiteras, 7355, 1100-1200(not Sun), 0030-0330(not Mon). Note: 1100 similar contents to the 1100 Agramonte. The 0030 which ends at 0250 ancs that R Frank Pafé continues CID pgms on 7400. R Frank Pafé, 7400, 0300-0500(not Mon), continues [sometimes?] to 0600. Closing says next CID bc'll be at 1100 the following morn (WBI 15/9)

V of Sandino/V of Free Nicaragua. VOS hrd 8/9 w/bc in progress on 6315 at 0430; 0502* abx uptly. VOS continues to annc it forms part of the Democratic Revolutionary Alliance w/the VOFN, tho the latter not hrd since 18/8 (WBI 15/9)

V of Truth/Lebanon. R Monte Carlo quoted Leb journalists that the Leb Progressive Socialist Party had opened a radio stn in 'Alayh called VOT (AR: Sawt-al-Haqiqah) on 6/9. The report was also bc on the Libyan DS 7/9. Stn not yet been traced (WBI 15/9) VA

V of Tomorrow (cf Aug 1N-25), my log does show 6240, not 6420 (Jonathan Katz, Earlyville/

PUBLICATIONS

Goliath of the Andes, in July 1983 Popular Communications, by Jerry L Dexter, pp. 12-14, outlining history and growth of HCJB. Several photos, incl one of Helen & Clayton Howard, hosts of DX Party Line. Other pixs of HCJB pgm cgr trol center, engineering staff w/a 500 kW output tube, the Spanish pgm staff, power plant, recording control room, and one of Alex Kuushnikov "presenting a pgm in Russian". On p. 14, the complete pgming operation is outlined, plus details on xmtr and antennas at Pifo, Mt Pichincha and Guayaquil. Vy interesting & informative, well worth reading (Rufus Jordan, Pittsburgh PA)

Down Under DX Survey #21 was published 12/9. 16 legal-sized yellow pages, chockablock with Indonesian info gathered by David Foster, primarily from visits to various islands, mainly Sumatra. Incredible amount of research on both MW & SW. Key to Indo lang abbrs. Article on languages of the Indian Sub-Continent. Misc. other loggings. Issued irregularly and due to a move by the Fosters, the next edition might be as much as 12 months away. 6 IRCs by air-mail worldwide, from Down Under DX Circle, 7 Donald Road, Burwood, Victoria, Australia 3125. (In ANZ, 3 IRCs or 70¢ in mint Aust stamps) (via Geoff Cosier)

Review of International Broadcasting The September issue, some copies of which may still be available, includes: cover photo of Dick Speakman & Co. at R, Australia Spectrum; "The Saga of Paul the Shortwave Transmitter" by R E Wood; 3-page Report from Perú by Juan Carlos Codina; 4-page Radio Equipment Forum; 10 page DX Listening Digest; 12 page Listener Insights on Programming, w/skeds, comments, press clippings; VOA at the Crossroads, provocative article by Arthur S Getzel; The Radio Schools of Latin America, by Michiel Schaay. Specify this issue if you want it in particular when ordering a sample. \$1.25 in Nam, \$2 elsewhere or 7 IRCs, from R.I.B., Box 6287, Knoxville TN 37914. A 12-issue subscription is \$15 in Nam, US funds only and drawn on a US bank, please & thanks (gh)

QSL REPORTS

Sam Barto
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NASWA being non-political in structure I felt it necessary to dedicate this column to the country of Korea. This is one of the ways that I, and I believe I can speak for the members of NASWA, can voice our outrage at a barbaric and outrageous affront to the peoples of the civilized world...Sam.

- AFGHANISTAN:** Radio TV Afghanistan 9665 f/d "Map/Flag" cd. in 138 ds. for 2 IRCs. (Konon-WI).
- ALASKA:** KNLS 11820 f/d ltr. in 10 ds. for ms. v/s F.M. Perry, Director of Engineering. (Bryan-OK). same in 11 ds. for ms. (Lobdell-MA). in 10 ds. for ms. (Buer-FL). in 11 ds. for * ms. plus a taped rpt. (Choroszy-ME). ltr. w/ schedule in 12 ds. for ms. (George-NC). in 10 ds. for ms. (Reinstein-FL). f/d form ltr. in 11 ds. for ms. (Lazarus-LA). 9690, 11820 ltr. in 11 ds. (Palmerstein-MN). 9690 ltr. in 13 ds. for ms. (Paszkiwicz-WI). 11940 and 11820 f/d ltr. in 16 ds. for ms. (Lare-MI).
- ANGUILLA:** Caribbean Beacon 1610 (BCB) f/d cd. w/ sticker in 1 mo. for 1 IRC. v/s Gareth Hodge. First rpt. from Honduras. (Moore-HOND)...Thanks for the ltr. Don...Sam.
- ANTIGUA:** Deutsche Welle 6040 f/d "30th Anniversary" cd. in 40 ds. v/s Peter Senger. (Paszkiwicz-WI). same in 21 ds. (Choroszy-ME). f/d cd. in 25 ds. (Lare-MI).
- ARGENTINA:** RAE 11710 n/d "Logo" cd. w/ pennant in 44 ds. (Forsgren-WI). same in 38 ds. for 1 IRC. Sticker and pennant rcvd. (Kapinos-MA). 15345 f/d cd. in 25 ds. for an EG rpt. v/s Roxanna Larghi. Pennant rcvd. (Fortney-PA). Radio El Mundo 9710 cd. w/ sticker in 27 ds. * for 2 IRCs. (Warner-AUST). Radio Rivadavia 5882 f/d "Logo" cd. w/ sticker in 15 ds. for 2 IRCs. Sticker rcvd. v/s Ing. Jorge Armando Falcone, Gerente Technico. (Palmerstein-MN)
- ARMENIA:** Radio Yerevan 17900 f/d cd. in 61 ds. (Kapinos-MA). same in 60 ds. (Hayer-PA).
- ASIATIC RUSSIA:** Radio Moscow 9705 via Vladivostok "Rowing" cd. in 5 wks. (Hazeltime-WA). 15420 via Petropavlovsk-Kamchatsky f/d cd. in 29 ds. (Talbot-ALTA). 9655 via Kosmosolek-on-Amur f/d cd. in 37 ds. (Konon-WI). 15180 f/d cd. in 30 ds. (Kanopka-NY).
- AUSTRALIA:** VLW15 15425 blue "Map" cd. in 15 ds. (Hazeltime-WA). same in 19 ds. for 2 IRCs. (Lare-MI). VLO9 9660 f/d "ABC Map" cd. in 32 ds. (Talbot-ALTA). Radio Australia 9580 f/d "Penguins" cd. in 1 mo. (Moore-HOND). 9580 via Shepparton w/ f/d "Kookaburras" and "Black Swans" cds. in 21 ds. (Bruckner-NJ).
- AUSTRIA:** ORF 9770 f/d "Lovers Art" cd. w/ sticker in 50 ds. for 1 IRC. (Bruckner-NJ). 11665 f/d "Phantasmagorical Landscape" cd. in 2 mo. (Palmerstein-MN). f/d "Austrian Challenge" cd. in 7 wks. (Wilkins). 
- BALEARENSSIAN SSR:** Radio Moscow 15260 via Baku f/d cd. w/ pennant in 1 mo. (Kanopka-NY).
시혁방송 제 970
시혁방송 제 750
시혁방송 제 1970
시혁방송 제 2750
- BELGIUM:** BRT 9880 f/d cd. in 1 mo. (Moore-HOND). f/d cd. w/ ltr. in 37 ds. for 2 IRCs. (Bruckner-NJ). f/d ltr. in 21 ds. (Cones-VA). f/d "Zeebrugge" cd. w/ sticker in 35 ds. (McLemore-FL). 9880 and 11620 f/d form ltr. in 33 ds. (McLemore-FL).
- BOLIVIA:** Radio San Miguel 3310 f/d ltr/prepared cd. in 24 ds. for a SP rpt. and ms. v/s * Gladys Vidal Nishijara, Secretaria Ejecutiva. Pennant rcvd. (Reinstein-FL). cd. w/ ltr. * and pennant in 50 ds. for a SP rpt. and ms. (Warner-AUST). 5975 Radio Nacional Cochabamba f/d cd. in 18 ds. after a f/up rpt. in SP for ms. v/s Rogildo Fontenelle Aregao, Editor Sintonia DX. (Wilkins-CO).
- BOONAIRE:** Radio Nederlands 9590 2 f/d cds. in 15 ds. for 1 IRC. v/s Rose Marie. (Bruckner).
- BOURNEO:** RRI Pontianak 3995 p/d EG form ltr. in 25 ds. after a f/up rpt. in IN for ms. v/s * Suryanta Saleh, Kepala Stasiun. (Wilkins-CO).
- BRASIL:** Radio Marumby 9675 f/d cd. in 69 ds. for an EG rpt. and ms. (Warner-AUST). Radio Anhangera 4915 n/d personal ltr. in 47 ds. for a PT rpt. and ms. v/s Jose Carlos Silva, Director. (Streeter-NY). Radio Nacional do Brasil 15290 f/d cd. in 27 ds. (Forsgren).
- BULGARIA:** Radio Sofia 9700 f/d "Monument to the Soviet Army" cd. in 28 ds. for 1 IRC. (Bruckner-NJ). f/d "Mausoleum of Georgi Dimitrov" cd. in 103 ds. (Talbot-ALTA).
- BURMA:** BBS 4725 f/d "Logo" cd. in 149 ds. for 2 IRCs. v/s Ky A. Soo. (Reinstein-FL). MJ).
- BURUNDI:** La Voix de Revolution 3300 f/d white folder cd. in 3½ mo. for a FR rpt. (Huniwell).
- BYELORUSSIAN SSR:** Radio Moscow 15150 via Minsk f/d cd. in 44 ds. (Konon-WI). same in 26 ds. w/ schedule. (Cones-VA).
- CANADA:** RCI 5960 f/d cd. in 91 ds. (Paszkiwicz-WI). f/d "McLuhan Teleglobe Canada Award" cd. w/ pennant and sticker in 89 ds. (Fortney-PA). same f/d cd. in 3 mo. (Roser-PA). 15260 same f/d cd. in 74 ds. (Lare-MI). 9755 same f/d cd. in 3 mo. (Kacir-MI). 15260 and 17820 f/d cd. in 3 mo. (Palmerstein-MN). 

RADIO KOREA

CFPX 6005 "Logo" cd. in 3 mo. (Hazeltine-
cd. in 94 ds. for 2 IRCs (Warner-AUST).
real Skyline" cd. in 27 ds. w/ stickers.
ldy-IN). CFXK 6070 f/d cd. in 26 ds. for
s. v/s Clive Eastwood, V.P. of Engineer-
Cassidy-IN). f/d "Airplane" cd. in 23 ds.
IRCs. (Martin-IN). CHNX 6130 f/d cd. in
for 2 IRCs. (Cassidy-IN). CKZU 6160 f/d
Centre" cd. in 10 ds. for 2 IRCs. v/s D.
rner. (Cassidy-IN). Deutsche Welle 9605
Sackville f/d cd. in 50 ds. (Palmer-
ISLANDS: Radio Exterior (sheim-MN).
15365 via Tenerife f/d cd. in 45 ds.
ar-AUST). f/d "Las Menias" cd. in 80 ds.
IRCs (which were returned) (Lare-MI).
DE ISLANDS: Radio Voz de Sao Vicente 7154
in 5 wks. (Kirkland-ONT).

RRI Regional 1 Ambon 4845 f/d personal
in 6 wks. after a f/up rpt. in IN for ms.
Nendissa, Kepala. (Lazarus-LA). 3241 ltr
ds. for an IN rpt. and ms. (Warner-AUST).
Radio Patagonia Chilena 6080 p/d cd. w/
in 1 mo. for a SP rpt. and 2 IRCs. Sched-
as rcvd. (Palmersheim-MN).

PEOPLES REPUBLIC: Radio Beijing 17855 f/d
Wall" cd. w/ pennant and stickers in
for 1 IRC. (Gaffin-NY). 15520 p/d cd. in
w/ sticker for 2 IRCs. (Bruckner-NJ).
cd. w/ pennant in 19 ds. (Palmersheim-MN).
engru PBS 6974 via Hohhot f/d cd. in 24 ds.
Beijing. (Bryant-OK). Sichuan PBS 5900 via
du f/d cd. in 22 ds. via Beijing w/ pennant.
Radio Macarena 5974 f/d cd. (Bryant-OK).
r. in 7 wks. for a SP rpt. and ms. Sticker rcvd.
enrique Zambrano Nieto, Gerente. (Palmersheim-MN).
cd. w/ ltr. and sticker in 69 ds. for a SP rpt. and
purist guide was rcvd. (Warner-AUST).

ISLANDS: Radio Cook Islands 11760 f/d "Man w/ Shell" cd. in 33 ds. for a taped rpt.
IRCs. (Pate-MD).

CA: Radio Reloj 6006 f/d "Clock" cd. in 22 ds. for a SP rpt. and 1 IRC. v/s Fran-
Barabona. (Hakimezhad-AZ).

Radio Habana Cuba 11930 f/d "Isle of Pines Beach" cd. in 107 ds. (Smith-NY). inos-MA).

OVANIA: Radio Praha 5930 f/d cd. in 136 ds. (Foregren-WI). 7345 cd. in 131 ds. (Kap-
Radio Denmark 15165 f/d cd. in 20 ds. (Dillaman-OH).

Radio Dhibouti 4780 p/d B&W cd. w/ "Logo" in 36 ds. for 2 IRCs. v/s M.D. Aden, Le
teur. (George-NC). same in 29 ds. for a FR rpt. and 2 IRCs. (Warner-AUST).

NEW REPUBLIC: La Voz del CID 11700 via Radio Clarin f/d "Certificado de Sintonia" f or
ds. for 1 IRC. (Palmersheim-MN). Radio Maximo Gomez 11700 f/d ltr. in 16 ds. for an
t. and ms. v/s Pablo Pena, Secretary of Information. (George-NC). same in 17 ds. for

an EG rpt. (Kano-
pka-NY).

ECUADOR: HCJB 15155

f/d "Communica-
tions" cd. in 2
mo. (Roser-PA).
Radio Jesus del
Gran Poder 5050
f/d cd. in 3 wks.
for a SP rpt. and
ms. Pennant rcvd.
(Plum-NJ).

EGYPT: Radio Cairo

9475 f/d "Mosque"
cd. in 134 ds.
(Fortney-PA). in
122 ds. (Cassidy-
IN). 12000 f/d cd
in 143 ds. (Blan-
chette-FL).

RADIO KOREA



This is a
golden edge New Year
and Christmas card issued
by Radio Korea.

RADIO KOREA



Overseas Service of KBS

WORLDWIDE
KOREAN
BROADCASTING

Korean Broadcasting System
Seoul, Korea
라디오한국

ENGLAND: BBC 9590 p/d "Tower Bridge" cd. in 71 ds. (Edmonston-NY). VOA 7200 via Woffers * ton f/d cd. in 12 ds. (Gaffin-NY). Station 41 7307 ltr. w/ stickers in 30 ds. (Werner-)

EUROPEAN RUSSIA: Radio Moscow 15320 via UK). Kingisepp f/d cd. in 34 ds. (Palmerheim-MN) 11755 via Leningrad f/d cd. in 14 ds. (Palmerheim-MN). 11790 via Riazan f/d cd. in 27 ds. (Choroszy-ME).

FALKLAND ISLANDS: FIBS 3958 f/d cd. in 152 ds. for 2 IRCs. via Port Stanley and Liverpool. * (Cassidy-IN). in 60 ds. after a f/up rpt. (Aden-OR). 2370 f/d cd. in 1 mo. on the 3rd try. My second rpt. was refused by Argentina! (Lobdell-MA).

FEDERAL REP. OF GERMANY: VOA 11855 via Munich f/d cd. in 58 ds. (Kanopka-NY).

FINLAND: Radio Finland 17800 ltr. in 31 ds. for 1 IRC. Sticker rcvd. (Bruckner-NJ). * A ltr. rcvd. from Radio Finland states that they no longer send QSL or audience cards to their listeners only schedules.

FRANCE: RFI 21620 f/d cd. w/ sticker in 5 wks (Fodge-IA). 17620 in 43 ds. for 2 IRCs. w/ pennant and sticker. (Bruckner-NJ).

GERMAN DEM. REP: RBI 9560 f/d "Leipzig" cd. w/ pennant in 63 ds. (Stephany-NY). cd. in 20 ds. (Edmonston-NY). 9560 f/d "Rostok" cd in 32 ds. for 2 IRCs. (Hakimezhad-AZ).

GREECE: VOA Kavala 9700 cd. in 10 ds. (Gaffin)

GUATEMALA: Radio Chortis 3380 f/d poster QSL rcvd. from visiting the station. (Moore-HOND). Radio Mam 4825 f/d form ltr. in 2 mo. for a SP rpt. and ms. v/s Herminio Perez Lopez, Director. (Palmerheim-MN). Adventist World Radio 6090 n/d form ltr. in 116 ds. for 1 IRC. v/s Ovidio Chauchavac. (Moore-HOND).

HOLLAND: Radio Nederland 6165 "PA6PCJ" cd. in 127 ds. (MacLeod-MA).

HONDURAS: HRVC 4820 n/d "Logo" cd. in 50 ds. for a SP/EG rpt. and 1 IRC. (Kapinos-MA). La Voz de la Mosquitia 4910 f/d cd. w/ paper pennant in 3 mo. for a SP rpt. and ms. (Moore-HOND).

HUNGARY: Radio Budapest 11910 f/d "Logo" cd. w/ pennant in 21 ds. for 1 IRC. (Bruckner-NJ). 9835 cd. in 68 ds. (Edmonston-NY). 15220 f/d cd. in 20 ds. (Kacir-MI).

INDIA: AIR 11620 f/d cd. in 43 ds. for 1 IRC. (Kapinos-MA). 4775 via Gauhati f/d "Bridge at * Liddar River" cd. in 117 ds. v/s O.P. Khushu, Director of Frequency Assignments. (Reinstein-FL).

IRAN: VOIRI 9022 and 15084 f/d "War" cds. in 4 mo. (Paszkievicz-WI). 15084 p/d "Soldier in Camp" cd. in 123 ds. (Fortney-PA).

IRAQ: Radio Baghdad 9745 f/d "Logo/Map" cd. in 199 ds. (Cones-VA).

IRELAND: Radio Dublin International 6910 f/d "Map" cd. in 119 ds. for 2 IRCs. v/s Veronica Mahon. (Pate-MD). f/d cd. in 50 ds. w/ sticker. (Kapinos-MA). cd. in 68 ds. for 1 IRC. v/s Marian Knowles. (Paszkievicz-WI). cd. in 136 ds. for 2 IRCs. (Konen-WI). n/d cd. in 2 1/2 mo. for 3 IRCs. v/s Alan Hughes. (Plum-NJ). p/d cd. in 120 ds. for 2 IRCs. (George-NC) cd. in 41 ds. for 2 IRCs. (Cassidy-IN). f/d cd. w/ sticker in 65 ds. for 2 IRCs. (Cones-VA). World Music Radio via RDI 6910 f/d cd. w/ personal ltr. in 14 ds. for 3 IRCs. v/s Lee Alvin. (McLemore-FL).

ISRAEL: IBA 13745 f/d "Logo" cd. in 54 ds. for 1 IRC. (Kapinos-MA).

IVORY COAST: Radio Abidjan 7215 f/d "Logo" cd. in 37 ds. for a FR rpt. and 2 IRCs. (Cones)

JAPAN: Radio Japan 9505 "Mt. Fuji" cd. in 46 ds. (Moore-HOND). 15195 "Hakata Doll" cd. in 15 ds. (Hazeltime-WA).

JAVA: Voice of Indonesia: 11790 p/d "Toraja Village" cd. in 3 mo. w/ schedule. (Moore-HOND).



One World
through Broadcasting

KAZAKH SSR: Radio

Moscow 11770
via Alma Ata
f/d cd. in 45
ds. (Lare-MI).

KIRIBATI: T3K1

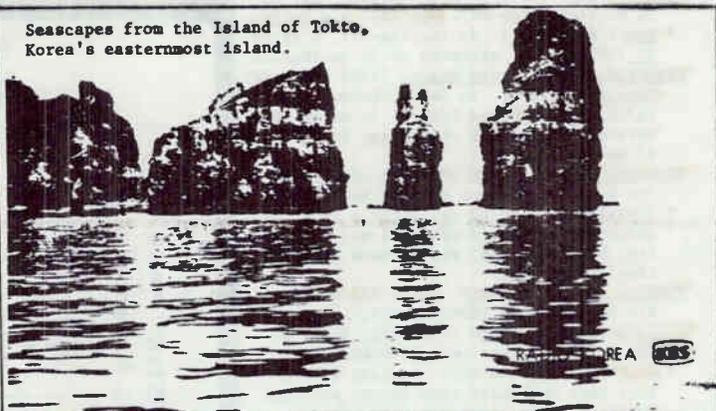
Radio Kiribati

* 16433 f/d "Sun-
set" cd. in 6
mo. for ms. v/s
Miss Tahoi B...
(Lare-MI). in
55 ds. for 3
IRCs. (Konen-WI)
"Native Girls"
cd. in 38 ds.
(McDaniel-IN).

LIBYA: Radio Jam-

ahiriya 11816
f/d "Rainbow"
cd. in 2 mo. fo

Seascapes from the Island of Tokto,
Korea's easternmost island.



for 2 IRcs. (Lare-MI). p/d ltr. in 1 1/2 yrs. for 2 IRcs. (Lare-MI). f/d cd. in 29 ds. for 3 IRcs. (Davis-CO). p/d ltr. w/ sticker in 141 ds. via Malta. (Forsgren-WI). 11815 f/d cd. in 27 ds. for 2 IRcs. (Summers-PA). f/d cd. w/ ltr. in 6 wks. for 2 IRcs. v/s Mohammed Sweidan, Director. (Palmerheim-MN). Addr: P.O. Box 17, Hamrun, Malta. (Summers-PA).

LIBERIA: ELWA

4765 f/d "Antenna" cd. in 144 ds. for 2 IRcs. v/s F. Manuel. (Summers-PA).

VOA 17870 f/d "Cowboy" cd. (Martin-IN).

LITHUANIA: Radio Vilnius

12020 f/d white cd. in 204 ds. for an RS rpt. (Barrera-ARG).

LUXEMBOURG: Radio Luxembourg

6090 f/d "Logo" cd. in 33 ds. for 2 IRcs. (Blanchette-FL). f/d cd. in 541 ds. (George-NC) (You could of swam there and back in less time!) p/d cd. in 32 ds. (Edmonston-NY). f/d cd. in 515 ds. for 1 IRC. (Stephany-NY). (You could of gone with George! Its nice to talk to someone on long trips.) 15350 f/d cd. in 4 mo. for a FR rpt. (Plum-NJ).

MALAGASY REP: Radio Nederland

9715 f/d "Van Gogh" cd. in 15 ds. for 1 IRC. (Bruckner-NJ). 11740 f/d "Drawbridge" cd. in 9 wks. (Wilkins-CO).

MALAWI: MBC

3380 p/d form ltr. in 118 ds. for ms. (Falkenhan-MD).

MALAYSIA: Radio TV Malaysia

7295 f/d "Tepak Sirih" cd. in 181 ds. for 2 IRcs. (Streeter-NY).

MALTA: Radio Mediterranen

6110 f/d "Map" cd. in 7 wks. for 2 IRcs. (Orcutt-NY). Deutsche Welle 15105 f/d "Map" cd. w/ sticker in 27 ds. (Stephany-NY).

MAURITIUS: MBC

4855 via Forest Side f/d cd. in 732 ds. for 2 IRcs. (Warner-UK). Very nice!

MEXICO: Radio Mexico XERMX

15430 f/d cd. w/ sticker in 190 ds. for 2 IRcs. (Lare-MI).

MONTSERAT: Deutsche Welle

9545 f/d "30th Anniversary" cd. in 25 ds. (Lare-MI). same in lmo. (Choroszy-ME). same in 40 ds. v/s Peter Senger. (Paszkievics-WI). f/d cd. in 6 wks. (Lobdell-MA). f/d cd. in 56 ds. for 1 IRC. (Kapinos-MA).

NEW CALEDONIA: Radio Noumea

7170 cd. in 45 ds. (Barto-CT).

NEW IRELAND: Radio New Ireland

3905 n/d form ltr. via Kavieng in 20 ds. for ms. v/s A. Lur-

NEW ZEALAND: Radio New Zealand

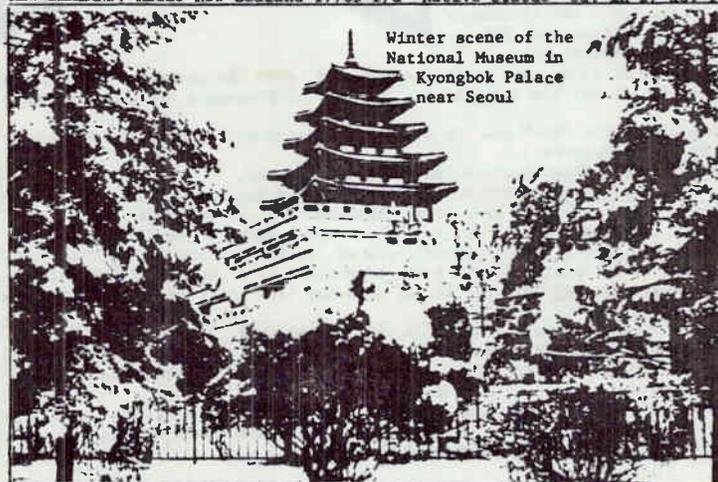
17705 f/d "Native Statue" cd. in 27 ds. for 4 IRcs which are required. (Cassidy-IN).

NICARAGUA: La Voz

de Nicaragua 5950 p/d personal ltr. in 86 ds. for an EG rpt. Pennant rcvd. v/s Rodolfo Garcia Gutierrez, Director. (Fortney-PA). in 75 ds. w/ pennant for 2 IRcs. (Martin-IN). f/d ltr. w/ pennant in 53 ds. for ms. (Bryant-OK).

NSL COLUMN REPORT

FORMS ARE AVAILABLE FROM YOUR EDITOR FOR A SASE.



Winter scene of the
National Museum in
Kyongbok Palace
near Seoul

NIGER: ORTN 5020 f/d "Logo" cd. in 148 ds. for a FR rpt. and 2 IRCs. (Konen-WI).

NIGERIA: FRCN 6050 via Ibadan f/d ltr. in 70 ds. for 1 IRC. v/s M.A. Ganiyu. (Stephany-NY). 4770 via Kaduna f/d form ltr. in 34 ds. v/s Yusuf Garba, Chief Engineer. (D'Angelo-PA).

NORWAY: Radio Norway 11870 p/d "Romsdal Costume" cd. w/ sticker in 6 wks. (Moore-HOND).

OMAN: BBC 15310 n/d cd. in 137 ds. (Lare-MI). same in 48 ds. for 1 IRC. (Hosmer-MI).

PAPUA NEW GUINEA: Radio Chimbu 2376 f/d cd. w/ * ltr. in 57 ds. for ms. v/s Boski T. Tonny, Station Manager. (Bryant-OK). NBC 4890 f/d cd. in 47 ds. (Barto-CT).

PARAGUAY: Radio Nacional de Paraguay 9735 n/d form ltr. in 41 ds. for a SP rpt. and ms. v/s Carlos Tomas Montaner, Jefe Technico. (Bryant).

PERU: Radio Los Andes 5030 f/d cd. w/ ltr. in 64 ds. for a SP rpt. (Warner-AUST). same in 108 ds for a SP rpt. and ms. v/s Pablo Cardenas Valverde, Director-General. (Streeter-NY). Radio Amazonas 5060 f/d prepared cd. w/ personal

ltr. in 2 mo. for a SP rpt. and ms. v/s Jaime

* Bendayan D., Administrador. (Lazarus-LA). Radio Huanta 2000 4755 personal ltr. w/ cd. in 4 mo. for a SP rpt. and ms. (Lobdell-MA). personal

ltr. w/ note in only 14 ds. for a SP rpt. v/s

* Carlos Paz. (Moore-HOND). Radio Tarma 4775 n/d ltr. w/ cloth bookmarker in 22 ds. for a SP

rpt. v/s Mario Monteverde P. (Moore-HOND). Radio Pampas 4855 f/d ltr. in 4 mo. for a SP

rpt. and ms. v/s Luis F.D. Mestre R. (Lobdell-

* MA). Radio Cusco 6195 f/d cd. via registered mail in 1 mo. for a SP rpt. and ms. v/s

Elena Lizarraga Pacheco Concha, Gerente General. (Wilkins-CO). Union Radio 6115 p/d "Inca

Statue" cd. in 79 ds. for a SP rpt. (Moore-HOND).

PHILIPPINES: VOA 6110 Poro/Tinang f/d cd. in 14 ds. (Paszkiwicz-WI). 7285 via Poro f/d cd. in 58 ds. (Kanopka-NY). FEBC 11890 f/d "Logo" cd. in 27 ds. for 3 IRCs. v/s Henny Gruy,

* QSL Secretary. (Cones-VA). Maharlika BC System 6170 ltr. in 44 ds. for 1 IRC. (Warner).

PORTUGAL: Radio Portugal 11925 f/d cd. in 41 ds. for 1 IRC. (Kapinos-MA). f/d "Art" cd. in 26 ds. for 1 IRC. (Bruckner-NJ). 9575 f/d cd. in 30 ds. for 2 IRCs. (Hakimezhad-AZ).

Deutsche Welle 9650 via Sines f/d cd. in 30 ds. (Palmerheim-MN).

ROMANIA: Radio Bucharest 11810 f/d "View of Piatra" cd. w/ stickers in 90 ds. (Cones-VA).

RWANDA: Deutsche Welle 21600 f/d cd. in 50 ds. (Palmerheim-MN).

SALPAN: KYOI 11900 f/d "Bird/Logo" cd. in 76 ds. (Blanchette-FL). same in 95 ds. for 2 IRCs.

v/s Ralph Eugenio. (Summers-PA). same in 123 ds. v/s Juan D. Diaz. (Kanopka-NY) (The answer to your question is yes). same in 112 ds. (Loh-AZ). cd. in 102 ds. (McLemore-FL). f/d cd. in 72 ds. v/s Mark Grizzard. (Cones-VA). in 5 mo. for ms. v/s Rick Ellis. (Orcutt-NY).

9670 f/d cd. in 118 ds. for ms. (Pate-MD). in 60 ds. for 2 IRCs. (Martin-IN).

RADIO **KB** KOREA 라디오한국

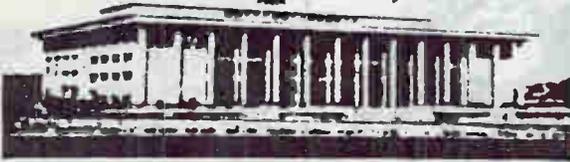


대한민국 우표

REPUBLIC OF KOREA

20

This is a commemorative stamp (enlarged by the KBS) and used as a QSL card. This stamp was issued to celebrate the 50th Anniversary of radio broadcasting in Korea.



1977

한국방송 50주년기념

SARAWAK: Radio TV Malaysia 4835 via Kuching f/d cd. in 99 ds. for 2 IRCs. (Barrera-ARG).

SENEGAL: Radio TV Senegal * 4725 p/d "Map" cd. in 67 ds. for a FR rpt. & 2 IRCs. (Barrera-ARG). 4890 n/d "Logo" cd. in 32 ds. for an EG rpt. & 2 IRCs. (Cones-VA). cd. in 35 ds. for a FR rpt. and 1 IRC. (Warner-AUST).

SICILY: RAI 7175 via Caltanissetta f/d "Venice" cd. in 142 ds. (Streeter)

SINGAPORE: Radio Singapore 11940 f/d "Skyline" cd. in 63 ds. for 2 IRCs. v/s Kenneth A. Rappa, Senior Operations Officer. (Reinstein-FL).

SOLOMON ISLANDS: SIBC 9545 f/d cd. in 10 wks. (Hazelrine-WA). same in 13 ds. for 3 IRCs. (Reinstein-FL).

SOUTH AFRICA: Radio RSA 9615 f/d "Johannesburg Landmarks" cd. w/ sticker in 16 ds. (Bruckner-NJ). 6020, 9615 and 5980 f/d "Ebenezer Dam" cd. in 14 ds. (Fortney-PA). SABC 4880 f/d cd. in 19 ds. (Konen-WI). Capital Radio 7150 p/d "Presenters" cd. in 3½ mo. for 2 IRCs. (Lobdell-MA).

SPAIN: Radio Exterior de Espana 9630 f/d "Art" cd. in 34 ds. (Forsgren-WI). 11880 p/d "Goya Painting" cd. in 28 ds. for 1 IRC. (Bruckner-NJ).

SRI LANKA: AMR Radio-Asia 11835 f/d cd. from "Radio Monitors International" in 20 ds. v/s Adrian Peterson. (D'Angelo-PA).

SUMATRA: RRI Pekanbaru 5886 p/d ltr. in 116 ds. for an IN rpt. and 2 IRCs. v/s Zainal Abbas. (Moore-HOND).

SWAZILAND: TWR 4760 f/d folder cd. in 26 ds. for 2 IRCs. v/s Terri Targeman.

* (Cones-VA). Radio Truro 4980 via Swazi Commercial Radio f/d "Swazi Warrior" cd. in 21 ds. for 2 IRCs. v/s Bill Cookson. (Streeter-NY).

SWEDEN: Radio Sweden International 15270 f/d "35th Anniversary" cd. in 11 ds. w/ stickers. v/s Doris Pettrice. (Bruckner-NJ). f/d "DX" cd. w/ sticker in 15 ds. (Forsgren-WI). f/d "Logo" cd. in 8 ds. w/ sticker. (Gaffin-NY).

SWITZERLAND: Red Cross Broadcasting Ser-

* vice 15360 via SRI f/d "World Red Cross Day" cd. in 6 wks. for 2 IRCs. (Orcutt-NY). same in 5 wks. for 2 IRCs. (McLemore-FL). Swiss Radio International 9725 f/d cd. in 26 ds. v/s M. Christon. (Bruckner-NJ).

TADZHIK SSR: Radio Moscow 15220 via Dushanbe f/d cd. in 53 ds. (D'Angelo-PA).

TAHITI: Radio Tahiti 11825 f/d "Conch Blower" cd. in 58 ds. for 2 IRCs. (Dillaman-OH).

TAIWAN: Voice of Free China 17800 f/d "Paper Cutting" cd. w/ pin and pennant in 28 ds. (Cones-VA).

TANZANIA: Radio Tanzania 5050 p/d personal ltr. in 26 ds. for 3 IRCs. v/s X.J. Mwangole. (Hosmer-MI).

THAILAND: Radio Thailand 9655 f/d "Fruit Market" cd. in 96 ds. for 3 IRCs. (Konen-WI).

TURKEY: Voice of Turkey 11740 f/d "Izmir" cd. w/ pennant in 22 ds. for 2 IRCs. (Bruckner-NJ). f/d "Ephesus" cd. in 43 ds. (Loh-AZ). f/d "Wild Turkey" cd. in 27 ds. for 1 IRC. (Hakimze-

TURKMEN SSR: Radio Moscow 15540 via Ashkhabad f/d cd. in 39 ds. (D'Angelo-PA). zhad-AZ)

UKRAINIAN SSR: Radio Kiev 9800 f/d "State Museum of Kiev" cd. in 55 ds. for 1 IRC. (Pate-MD). f/d cd. in 58 ds. (Choroszy-ME). 17900 f/d "Virsky State Merited Dance Ensemble" cd. w/

paper flag in 60 ds. (Aden-OR). 9560 and 11720 f/d "Park of Eternal Glory" cd. in 59 ds. (Fortney-PA). Radio Moscow 15100 via Lvov f/d cd. in 29 ds. (Mayer-PA). 11950 via Khar-kov f/d cd. in 28 ds. (Choroszy-ME). 11735 via Vinnitsa f/d cd. in 34 ds. (Palmerheim-MN). 9720 f/d cd. w/ pennant in 30 ds. (Kanopka-NY).

UNITED ARAB EMIRATES: Dubai Radio and Colour TV 15430 f/d "Map" cd. in 30 ds. for 2 IRCs. v/s K.F. Fenner. Pennant rcvd. (Hakimzezhad-AZ). 15435 f/d "Map/Logo" cd. w/ pennant in 24 ds. (Fortney-PA).

URUGUAY: CXA30 6035 La Radio f/d ltr. in 14 ds. for a SP rpt. * v/s Mario Coronel. (Barrera-ARG)

This is a Voice of Free Korea QSL card featuring Chonje-yun Falls on Cheju Island in Korea.



VOICE OF FREE KOREA



Radio Korea

SCOREBOARD

ONLY YOU BELIZE
ZHIGULOVSK
WAS
HERE

C/H IIII IIII IIII IIII

C/H IIII IIII IIII IIII IIII IIII

XXX
XIX

MARS
LOVES
DISCAR

S/H
S/V

LINEBACK, Editor
London
TX 77304

SEPTEMBER 1983

all our old friends and new contributors. Welcome to another edition of Scoreboard. Scoreboard features the Spotlight on North America. C/H = countries heard and C/V = countries verified. Remember that all totals for NASWA Scoreboard should be counted in accordance with the NASWA Radio Country List that is available from headquarters.

deadline will be 15 November for the December issue of FRENEX. The Spotlight time will be on Oceania. Also, we have not indicated Antarctica in some time. Reception and verification of Antarctica will be indicated by * in the appropriate column.

Thanks to all who contribute to Scoreboard. Remember, you must update at least once a year to remain on the Scoreboard list. If your name was recently removed from the list, it means you need to update. We are looking forward to hearing from you before the next issue, so we can get your totals in the Winter Scoreboard. Remember Oceania and Antarctica.

STATE	C/H	C/V	NORTH AMERICA	BEST C/H C/V	QSL	NAME, STATE	C/H	C/V	NORTH AMERICA	BEST C/H C/V	QSL
Alaska, CA	229	217	23	19	Montserrat	Mike Ryan, CA	197	164			Panama RPC
Alaska, WI	227	226				John Sgrulleta, NY	196	195	21	21	CKFX
Alaska, WI	227		26		CKFX	Paul Buer, FL	196	181	21	19	CKFX
Alaska, CA	225	62	22	4	Greenland	Henry Lazarus, LA	194	190	22	19	Onda Musical
Alaska, UK	224	215	22	21	VS18	Ron Howard, CA		182	20	20	CJCX
Alaska, Aust.	221	214	20	20		C. J. Orekar, CA	194	179	20	20	Swan IS
Alaska, CT	220	211				Robert Wilkner, FL		193	110		
Alaska, CT	218	217	22	21	Panama	Mark Koukol, IL	192	167	20	19	Turks
Alaska, MA	218	216	24	24	Montserrat	Vladimir Cucura, PA		191	105		
Alaska, NZ	218	200	20	20	VQ07	Robert J. Vance, FRG	189	164	17	16	Newfoundland
Alaska, MI	217	213	23	23	CFRX	Martin Foltz, MI	187	142	20	19	R Commercial
Alaska, CA	214	208	19	19	Panama	C. Vernon Hyson, NC	186	170	24	23	Martinique
Alaska, MN	212	193	21	19	Turks	Terry Palmersheim, MN	186	149	18	17	El Salvador
Alaska, Ont.	212	193	24	23	HPSH	Mark Warner, UK	186	147	18	16	R. Venceremor
Alaska, OH	211	201	21	20	Turks	Steve Reinstein, FL	186	124	16	12	R. Mambi
Alaska, AZ	211	197	22	22	Turks	Henry Ward, Que.	185	162	27	27	Martinique
Alaska, CA	208	186	22	22	Greenland	Jerry Lineback, TX	183	106	17	12	Turks
Alaska, Que.	208	4	22	1	Greenland	Richard Davis, CO	181	162	20	19	HOH? Panama
Alaska, AL	207	55	18	7		John Huntwell, NJ	180	174	20	19	Belize
Alaska, PA	206	170	20	18	CKFX	Jerry Johnston, KY	180	99	16	10	CKFX
Alaska, FL	205	123	21	16	Occidente Honduras	Scott McClellan, MI	180		17		CFVP
Alaska, Alb.	203	167	20	18	Turks	Brian Alexander, PA	179	76	18	8	WDAB
Alaska, IL	202	173	18	14	CKFX	Hadley Cress, VA	179	8	19	1	Turks
Alaska, MI	201	181	21	20	Greenland	Andy Leskowitz, MA	177	191	16	9	HRVC
Alaska, MN	200	153	17	14	Grenada	Mike Hardester, CA	176	161	18	17	Turks
Alaska, IN	200	130				Stephen Leite, MA	176	148	16	14	
Alaska, PA	200	120	15	14	CKFX	Robert Fleck, TX	176	144	18	14	Belize
Alaska, ME	199	35	18	2		Mark Konen, WI	175	137	17	16	Martinique
						Del Fye, FL	174	136	18	16	Belize

NAME, STATE	C/H C/V	NORTH AMERICA		BEST QSL	NAME, STATE	C/H C/V	NORTH AMERICA		BEST QSL		
		C/H	C/V				C/H	C/V			
John Bryant, OK	173	120	16	12	CFRX	Gene Purdum, MI	122	76	15	9	Newfoundland
Gordon Blom, NY	171	141	18	16	Swan IS	Leon Kanopka, NY	120	99			
John Meyer, WI	170	125	18	14	Grenada	William Plum, NJ	119	79	16	14	KQSB
Walter Kuntz, PA	169	89	17	10	VoPyramids	Sheryl Paszkiewicz, WI	117	87	16	13	TGNA
Morley Kirkland, Ont.	165	149	16		Grenada	David Benner, IN	117	83	15	12	Belize
Nelson George, NC	165	131	17	14	CKZU	Mike Brooker, Ont.	114	86	14	11	CKFX
Hans Johnson, TX	164	105	14	9	Nicaragua	Bill Taylor, PA	113	91	14	12	CKZN
Ewald Bartunek, Austria						Dale Park, HI	111	29	12	3	KVHF
	162	135	9	8		Greg Hart, FL	110	60	15	8	4VEH
Shawn McDaniel, IN	162	56	16	8	R. Indiana	Pete Grenier, CA	107	74	16	10	WRUL/WNYW
Kevin Meyer, VA	160	111				Daniel Sampson, WI	106	65	15	10	Greenland
James McClure, KY	159	92	16	13	CKFX	J. Gary Pate, MD	105	71	12	10	
Tim Hall, CA	157	115	16	15	CKFX	Bill Leal, Ont.	101	66	10	8	TIFC
Dave Maxfield, MI	157	11				John Dillaman, OH	100	81	16	13	Belize
Baxter Hensley, TX	156	140	16	15	Belize	Tom Mooningham, NC	97	84			
Paul Choroszy, ME	156	118	15	12	Belize	Louis Sica, Jr., NJ	96	35	13	7	CKFX
Mark A. Duba, VT	155	117				Robert Fraser, MA	91	65			
Bob Streeter, NY	155	102				Bob Gunderson, MN	89	57			
Larry Cunningham, OH	155	55	18	6	LV Mosquita	Homer Ingler, FL	87	63			
Daniel Viens, NH	153	7	17	1		Paul Janto, ME	84	50	12	6	TIFC
Jim Green, AL	152	112				Ron Takulva, Jr., OH	82	67	11	8	Havana
Dan Miller, WI	149	23	16	3		Peter Giacopelli, NY	81	59	12	9	Dom Rep
Norman Bobb, MN	147	1	17	1	KGEI	George Tokarchick, NY	80	60	6	1	
Don Hosmer, MI	146	113	17	15	Swan IS	Mike Martin, IN	79	56	12	9	Haiti
Fred Kohlbrenner, PA	146	113				Gerald Clark, IN	78	62	10	6	KEXMX
Ken Cobb, ME	145	95				Robert Luke, OH	78	48	10	4	TIFC
Brian Sarkisian, MI	144	92				Frank Wheeler, KS	75	56			
Steven Lare, MI	143	103	18	12	CKFX	Michael Monaco, NY	73	51	14	10	CKFX
Ken Loh, AZ	143	103	16	11		Jerry Schmidt, WI	73	48	12	8	HRVC
David Swaringen, NC	141	100	15	14	El Salvador	Edward Overstreet, GA	71	62			
James Clifford, FRG	138	110	14	12	Grenada	Todd Smith, CT	71	52			
Christos Rigas, IL	136	107	17	12	R. Casino	Rob Sobkoviak, IL	70	50	12	8	Grenada
George Link, CA	135	106	13	12	CFCX	Eric Mayer, OH	70	41			
Austin Kelly, IL	135	103	17	13	Windward ISBS	Joe Polchlopek, Japan	69	40	4	2	USA
Gene Eastman, TX	132	80	16	12	4VEH	Tom Mazeline, WA	66	55	8	6	CFRX
Kenneth Briscoe, IN	132	68	16	7		Thomas McCasland, KS	65	35	14	6	4VEH
Gilles Michaud, Que.	131	58	16	7	Nicaragua	Jack Nibecker, Jal. Mexico		64	39	10	Canada
Timothy Noonan, WI	129	99	14	11	R. Mil	Brett Whysel, CT	61	32	7	2	
Frank Povsic, FL	128	74				Jean-Pierre Caravan, PA	59	34	9	2	
Scott Warner, SC	127	96				Glen Piper, MI	50	25			Bonaire
Gayle Van Horn, TX	127	84	15	8	Belize	Josh Gaffin, NY	13	9	3	2	VaA
Robert L. Woods, VA	126	43	20	4	Canada						
Nolan Stephany, NY	125	103	14	14	LV Mosquita						
Arnold Lausevich, WI	122	86	14	13	Grenada						

Among the favorite QSLs for North America, Turks and the Canadian relay stations seem to be the most popular, with a few opting for Greenland and others. I suggest that you update all continent totals when sending in a contribution. That way all totals are reasonably up to date, if you miss a quarter. Thanks to all our contributors for this issue. Please share your totals with us through Scoreboard. Remember that the next deadline is 15 November for the December issue. 73 Jaf

update

October 1983***Number 140

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

UPCOMING DEADLINES: 10 October (Mid-Oct) 23 October (November) 10 November (Mid-Nov)

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

BRAZIL R. Nat. Sao Gabriel, 3375, in PT 0225-54; IDs w/ freq, Radiobras plugs, ads and Brazilian ballads. (Brian Alexander, PA 9-11)

GHINA RB, 3960//4960, in JP 1030-43; strong. Thought I'd take a quick check for Falklands on 3958 and found this very strong. No AR0 trouble, either. (Sam Barto, CT 9-4)

CLANDESTINE LV de Sandino, 6215, in SP 0034-0111*. Revolutionary talk by M and W, revolutionary mx plus reville on bugle. S/off w/ anthem. (Alexander, PA 9-12)+++LV Alpha 66, 7039, in SP 0059-0129 8-25; good. QSLed by postpaid card from usual Miami address in one week: Box 420067, Miami, FL 33142. (Ralphus Perry, TX)+++Welcome back, OM.

COLOMBIA Ecos del Combeima, 4785, in SP 0100 9-5; noted w/ prgm using as its theme a pleasant Ecuadorian song! Confusing and perhaps this is what started those bum reports of Latacunga being active here Actually, Combeima does play a surprising amount of HC mx. (Ralphus)

COSTA RICA R. Impacto, 6150, in SP 0615-0700; ballads, pop mx, Michael Jackson mx, many IDs and annmcs. (Alexander, PA)

CUBA Mayak, 3345, in RS *1030. Interval signal opened 1027. ID by W after s/on. (Barto, CT 9-7)

ECUADOR LV Rio Tarqui, 3285, in SP daily after 1030 w/ exceptionally good signals. Must have upgraded things when they reactivated SW xmtr. (Ralphus, TX)+++R. Zaracay, 3395, in SP 0200; ballads, ID, annmcs and ads. (Alexander, PA 9-11)+++R. Popular, 4799.7, in SP 0604-0700; nice HC mx, ID and TC. (Alexander, PA 9-3)

NEW BRITAIN R. E. New Britain, 3385, in PD 1030-45; nice island type vocals and several instrumentals. Noted almost daily w/ fair signals. (Barto, CT 9-4)

NICARAGUA VoNicaragua, 5949.5, in EG 0105-35; stories on how US citizens can visit Nicaragua, LA mx, excerpts from Ortega speech, "This is Nicaragua" prgm. (Alexander, PA 9-12)

NIGERIA FRCN Lagos, 3326//4990, in EG 2350-0000. Mx by W. 90m actually stronger than 4990. (Barto, CT)

PERU R. Bagua, 3310, w/ wonderful signal 9-8 at 1104. Noted daily nominal *1100v. (Ralphus) +++R. Atlantida, 4790, in SP 0545-0604*; US rock mx, ID/TC, anthem at s/off. (Alexander, PA 9-3)+++R. Andina, 4995.8, in SP 0520-28*; folk mx, ID 0526, s/off w/ NA. (Alexander, PA 9-10) +++R. Eco, 5112, in SP 0155-0225; weak. OA style mx, ID 0201, M dj and some RTTY QRM. (Alexander, PA 9-12)+++R. Nuevo Continente, 5190.6, in SP 0320 9-6; booming signal. Truly amazing. One ID went: "la hora en todo el Peru...en Super Exitos de la Semana en Nuevo Continente." Also, "Nuevo Continente, la onda corta de Cajamarca," and "R. Nuevo Continente, la emisora del pueblo...programa." Tnx Juan Carlos Codina for this. (Ralphus)---Same, 0915-1005 9-8. M anncr, slow local mx. ID and frequencies 0930. Freq on taped annmct not the same as that on live annmcs. IDs and slogans 0920 and 1000. Then W w/ talk and mx. Text: "del espectáculo envisionses nuevo rococo R. Nuevo Continente. Desde Cajamarca, America del Sur en la banda de sesenta metros cinco mil doscientos kHz. Ya namba namba mil cuarento kHz. Es la primario R. Nuevo Continente. Perultima corte ponce." (Nathan Murff, NM)+++5560.5 not R. Pucara. Fooler at first was R. 15 del Sept., noted 1130 on 9-8 down from usual 5565. Drat! (Ralphus)+++I'd give a whole lot to be able to say "drat" because I'd heard that. the ***La Voz de Huamanga, 6199.8, in SP many mornings recently but especially well on 8-29 tnx Juan Carlos Codina. 1059 OC, 1102 quena solo began, some sort of stn theme. This followed by opening annmct by M, mentioning, I believe, LV Huamanga. Into quenas and drums, then 6:07 tc. Prgm of OA campo mx followed, heavy on guitar huaynos, not really in the Ayacucho style, oddly. At 1124, OC from CAM clandestine wipes this out. Usually LVHuamanga is weak on modulation on reasonably good carrier, so no definite ID possible even on best morning. ID completely attributed to Juan. (Ralphus)+++R. Satellite, 6724.8, in SP 0230; good sigs through static crashes. Prgm of dedications w/ W anncr and folkloric selections. Occasionally swamped by CAM clandestine and its pursuing jammer which sporadically settled on freq. (Ralphus)

TOGO Lome, 5047, in FR *0527; tune-in to chimes IS, anthem 0528, hymn 0530 and talk 0532. (Alexander, PA 9-3)

VANUATU R. Vanuatu, 3945//7260, from 1047-1100; several pop selections, instrumental mx, talks by W and finally ID by M 1100. 80m signal very good. (Barto, CT 9-6)

VENEZUELA LVde el Tigre, 3255, in SP 0215; ballads, ID as R. 980, annmcs and ads. (Alexander, PA 9-11)+++R. Mil Cuarenta, 6009.8, in SP 1000-20; fair sigs w/ US pops, spill from Reloj 6006. At first thought something new as didn't hear the pattern of 1040 IDs every few minutes, but it eventually IDed. Some mornings very bad het, probably from R. America. (Ralphus)

In the SCAN section this issue we continue with Takayuki Inoue's regular report from Japan:

PERU R. Sicuani, 4827.3, in SP and Quechua. 1000-1100 often in August. Nice folklore en Cusco and talk by M w/ many ads. 1030 Canned ID: "La Voz de Canchis, R. Sicuani, OAX77, 4835 kC banda de 60m onda corta y OAX7R 1395 banda de 225m onda media...R. Sicuani. Slogan is La Voz de Canchis."

R. Huancavelica, 4885.3, in SP *0910v. S/on w/ NA, fair-poor often in August. Local folk mx and talk by M. Sometimes IDs as "La senal de Huancavelica." Better reception in USB and fades out by 1130.

R. Los Andes; 5030.1, in SP *0900 fair to good until backed out by R. Malaysia at 1030. Opening annct: "Senoras y senores tengan todos ustedes., muy buenos dias. Estamos inciendo su transmision correspondiente de miercoles, 10 de agosto de 1983, ano de bicentenario de natalicio del Libertador, su general Simon Bolivar. Estamos transmitiendo en la siguiente frecuencia: OAZ2A 5030 kHz banda internacional de 60m, onda corta en amplitud modulada. Transmite para Uds. Radio Los Andes, desde Huacuachucho, Peru." Then huayno mx prgm, "Buenos dias, Peru," Mon-Fri and "Domingo Vernacular" on Sun. Slogan: "La frecuencia internacional."

COLOMBIA R. Sutatenza, 5075 rf, in SP *0900-1130+ fair-poor 8-15 and 16 only. Since 8-17 has returned to 5095. Mx and information prgm, "Buenos Dias, 1100 on is "Noticiero Sutatenza" followed by "Mundo Noticias." Canned ID every 30 minutes: Esta es Sutatenza Bogota, otra emisora de la Cadena Sutatenza de Colombia." Slogan for '83 is: "Ejemplo de buena radio, de una gran radio para America y el mundo."

Ondas del Meta, 4885, in SP 0800-1100. Per annct, this is 24 hr. Canned ID every hour: "En el aire Ondas del Meta desde la hermosa ciudad de Villavicencio. HJBX 1200 kHz onda larga, 4885 kHz onda corta. Otra potente emisora de la cadena Super, orgulosamente Colombiana." Local mx prgm "R. Norte del Llano." Sometimes IDs as, "En Ondas del Meta, la emisora Super, alegre." "En la mejor musica, Ondas del Meta."

R. Super del Medellin, 4875, in SP 0830-0930; HJ mx and information often heard in August. ID: "En el aire R. Super desde la hermosa ciudad de Medellin. HJNX 710 kHz onda larga, 4875 kHz onda corta, banda de 61 mts. Emisora fundamental de la Cadena Super, orgullosamente colombiano." La Cruz del Sur Bolivia noted on 4875.5 at same time.

La Voz del Centauros, 5954.8, in SP 0900+; Prgm is "Maduragada Campesino. Nice IDs 0900 and 0930: "Esta es La Voz del Centauro, HJKW, 1140 kHz de Villavicencio, Colombia. La Voz del Centauros, emisora afiliada la primera cadena radial colombiana, Caracol, Caracol, radiodifusion de prostigio."

We'll have more from Takayuki in coming issues, as well as a monitored look at the BRC and other features as the DX season approaches.

In the meantime, to all,

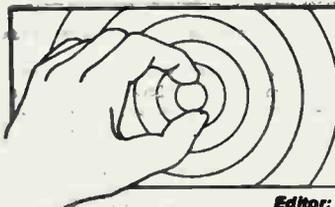
Best 73.

FOR SALE: Sony 6800W receiver. Excellent shape, less than a year old. With warranty and box, manual, AC plug. I'll pay the shipping; price is \$425.00 payable in cashiers check or money order. Barry Brenesal, 1005 SW 60th Terrace #A, Gainesville, FL 32607. Phone (904) 373-7474 after 2300 GMT.

FOR SALE: Sony ICF-2001 in excellent condition with original carton and manual, \$115.00. Also a Palomar P-308 preamplifier (AC version) in excellent condition, \$75.00. Edward Pyatt, 1870-A2 Myrtle Drive S.W., Atlanta, GA 30311. Phone (404) 758-9513.

FOR SALE: Kenwood R-1000 communications receiver, 200 kHz - 30 MHz. Like new and comes with headphones, manual, large number of club bulletins, Radio-TV and other handbooks, and radio literature. Price \$350.00 firm. I pay shipping. George Cady, 2970 North Sheridan, #1219, Chicago, IL 60657. Phone (312) 871-0987.

FOR SALE: Galaxy R-530 general coverage receiver in mint condition. Includes 2.1 kHz and 6.0 kHz filters and manual. Covers 500 kHz to 29.9 MHz. Price \$350.00. Ross Forbes, P.O. Box 1, Los Altos, CA 94022.



LOG REPORT

section A

2000 to 4899 kHz

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

I don't know if this is a bad omen or not, but as I began my first column for NASWA, the video display terminal on my computer blew. So, it looks like I'll edit on the old typewriter. My name is Mike Nikolich, and it is with great pleasure that I take over the reigns of LRA from Stu Klein. I've been in the hobby since 1969, have heard just over 200 countries on shortwave, and previously edited a column for SPEEDX. Your comments, critiques, etc., would be appreciated.

- 2340 PAPUA NEW GUINEA, R. West New Britain; Pidgin, several IDs, movie theme mx, TC for "28½ to 9" and Rod Stewart mx, into some Saturday nite px (Moman, 8/13)
- 3070H USA, KGA/Spokane; EE, usual harmonic, very consistent, 0226, anyone out east hear it??? (Moman, 8/6)
- 3205 PAPUA NEW GUINEA, R. West Sepik; 1145-1200, Pidgin, tx w/ occasional EG words, lcl mx (Lineback, 8/13)
- 3215 INDONESIA (CELEBES), RRI/Mamado; 1130, M w/tx, pep vocals in EG, good (Lineback 8/13)
- 3222 TOGO, R. Kara; *0525, FR, tone to 0525 IS of Afro insts, NA at 0529, s/on (Stephany 8/25)
- 3250 HONDURAS, R. Luz y Vida; 0035, SP, M, simple mx until 0037, full ID as "esto es ... la Luz y Vida ..." (Bolland 9/5)
- 3250 SOUTH AFRICA, R. Five; EG, accented M w/possible nx (Moman 8/13)
- 3255 LIBERIA, ELBC; 0630, Vern/EG, ID and TC at 0630, into neat tribal mx (Pappas 8/13)
- 3260 ECUADOR, La Voz del Rio Carrizal; 0214, SP, M describing a soccer game, poor lvl (Bolland 9/3)
- 3265 INDONESIA (Bengkulu and Gorontalo listed); 1116, IN tx by YL, pop vocals, poss. mention of Gorontalo (Lineback 8/13)
- 3275 VENEZUELA, R.Mara; 2350, AR px w/vocals, AR DJ, SP ID 0004, "R. Mara . . . programa cultural" (Krueger 9/4); 0955, SP, ID after mx (Pate 8/14)
- 3285 BELIZE, RB; 0230, end of BBC nx, ID, bad het (Tindall 8/16); 1115 w/C&W mx (Lineback 8/13)
- 3285 ECUADOR, LV del Rio Tarqui; nice sig at 0835, HC mx px already in progress (Berg 9/5); 0910, SP mx, "Musical Nacional"(Bolland)
- 3295t NAMIBIA, R. SW Africa; EG, opera style mx, 0304, tent. ID, much noise tonite (Moman 8/13)
- 3316 ECUADOR, R. Pastaza; 0223, SP, M w/comments (Bolland 9/3)
- 3325 GUATEMALA, R.Maya de Barrillas; 1035, M w/varied mx px (Bobb 9/2) 1100, relg mx, tx (Lineback 8/13)
- 3326 NIGERIA, FRCN/Lagos; 2350, //4990, EG w/nx by YL, stronger than 60 meter frequency! (Barto 8/30)
- 3345 CUBA, USSR Mayak station; s/on 1030, IS at 1027, RS ID by YL after s/on (Barto 9/7)

- 3345 INDONESIA, RRI/Pontianak or Ternate; 1053, IN, tk, IS, RRI nx, could not hear lcl ID (Lineback 8/13)
- 3355 NEW CALEDONIA, Noumea; FR DJ interview rock group, //11710 & 7170, also het on 666 (Moman 8/14)
- 3360 GUATEMALA, LV de Nahuala; 1105, SP, marimba mx (Bobb 9/2)
- 3375 BRAZIL, R. Nac. Sao Gabriel; 1010, PT, MW ID and mx (station located 10 mi. so. of Equator on east bank of Negro River (Bobb 8/21); 0932, PT (Bolland 9/5); 1015 (Yoshida 8/18)
- 3381 ECUADOR, R. Iris; EZL mx, clear ID 0259, other HCs in today, as well (Moman 8/13); 0342-0400*, SP, novelty ad or promo, into ballads (Jordan 8/14); *1001, SP, Ecuad. mx (Bobb 8/13)
- 3381 GUATEMALA, R. Chortis; 1040, SP, lcl mx & ID (Lineback 8/13)
- 3385 NEW BRITAIN, R. E. New Britain; 1120, Pidgin, M, signal bad by 1134 (Bolland 8/6); 1243, Cat Stevens song, ID 1300 (Moman 8/11) 1030, nice island type vocals, also noted 3260, 3322.5 and 3205 today, RENB almost a regular (Barto 9/4)
- 3660H CANADA, CKDA/Victoria; EG, 3x1220, nx 1303, ID, not hrd on 2440 or other nx1220, distorted, best in USB (Moman 8/11)
- 3829 UNID; 0958, SP, didn't sound Peruvian or Ecuadorian, LA mx as you'd hear from Colombia, QRN too high to ID (Valko 8/24)
- 3905 NEW IRELAND, RNI; 1040, EG/PD, relig. px, choral mx (Causevich)
- 3930 TRANSKEI, Capital Radio; 0359, EG, mx px w/M DJ, ID on hour, "Sporttime" 0424 (Stephany 8/27); 0306, faint (Moman 8/13)
- 3945 VANUATU, RV; US rock/pop, ID s/off 1115 by YL (Moman 8/12); 1047, nice lvl w/pop mx, YL host, M ID 1100 (Barto 9/6)
- 3958 FALKLAND ISLANDS, FIBS; EG, pop mx, TC for 28 past 6, Charlie DJing as usual, phone in interview 1057, het from Indo 3960, remember this is in USB! (Moman 8/12)**Not in Chicago it isn't. 1030, pop mx (Bobb 8/13); 1035, EG, tent w/mx, OM, no positive ID due to ARO QRM (Lare 8/25); tent. w/EG world nx 1105 (Lineback)
- 3960 CHINA, R. Peking; //4960 in JP from 1030 (Barto 9/4)
- 3970 CAMEROON, R. Buea; 2253-2306*, relay of EG nx 2300, ID, short choral and off (Krueger 8/17)
- 4003 UNID; Indo presumed w/nx by YL, 1100, weak (Barto 8/31)
- 4557 NORTH KOREA, Voice of the Rev. Party; KK/EG, lite flute mx, ID 1400 by YL "This is the voice of the Revolutionary Party for the Reunification, coming to you from Seoul," //4120 (Moman 8/13)
- 4656 ECUADOR, CRE; 0140, SP, flute and guitar mx, OM w/nx at 8/13) 0157 w/mentions of Castro (Jordan 8/13); 0942, SP, ID, tx (Bobb 8/12); 0913, "El Informativo Avion" px, TC (Stephany 8/26)
- 4684 UNID, RR, YL tx, USB, distorted audio, sounded more like a bcst than a UTE (Moman 8/11)
- 4719 INDONESIA, RRI/Ujung Pandang; 1056, OM & YL, mx but weak, nx at 1100 until 1113, ID (Bolland 8/28)
- 4750 CAMEROON, R. Bertoua; 0505, FR nx (not EG as reported other days), ID, Afr mx (Tindall 8/20)
- 4755 BRAZIL, UNID; 0914, PT, mainly comments, poss ID 0930 (Bolland)
- 4755 PERU, R. Huanta; 0835, s/on w/test mx, 0837, NA, into opening anmts and full ID (Yoshida, Japan 8/22)
- 4760 SWAZILAND, TWR; 0400-0429*, M tx, mx, brief ID (Jordan 9/1)
- 4765 BRAZIL, R. Nal. Cruzeiro do Sul; 1125, PT, soft mx px, nx 1130, 1137 ID (Causevich 8/1)**Rather old log, let's keep 'em current.
- 4765 CUBA, Mayak px; 0040, RR, ponderous baritone vocals, IS 0057, time pips, YL w/ID (Jordan 8/14); 0154, RR mx (Enkenhus 8/6)
- 4763 PERU, presumed R. Inca; *0919, right into OA mx, many AMs, heavy static (Berg 8/27)
- 4770 NIGERIA, Kaduna; 0440, Michael Jackson and other U.S. selections, TC 0454 "6 before 6" (Tindall 8/20); 2320, tx about handicapped people in Nigeria, into px on blind (D'Angelo 8/17); 0551, mx, into TC and EG nx 0600 (Berryman 9/9); 2325, EG, YL nx, IDs for R. Nigeria (Bolland 8/22)

VENEZUELA, R. Bolivar: 0041, SP, LA vocals, TC by M and ment. of Bolivar, more mx (Valko 8/10); 0107, SP, fast-paced programming, IDs and TCs (D'Angelo 8/18)

VENEZUELA, LV de Carabobo: 0246, SP, ID and TC by M, YV pops, fair sig (Pappas 8/16); 0045, lively LA mx (Valko 8/10)

COLOMBIA, Ecos del Combeima: 0556, SP, LA vocals, M w/ID, bank ad, another ID (Valko 8/20); 0644, full canned ID (Pappas 8/13) 0752, SP, M w/IDs, inst/vocal mx (Bobb 9/1); 0955, many ads, ID 0958 (Thunberg 8/25); 0926, full ID, mx (Bolland 8/11)

PERU, R. Atlantida; comments followed by mx, signal peaked by 0950, ID given (Bolland 9/5); 0106, SP, OM w/emphatic speech, lcl mx, political tx (Jordan 8/14); *0910, s/on w/NA, many TCs, "4 de la mañana 27 minutos en R. Atlantida" (Yoshida, Jap. 8/24)

ECUADOR, Sistema Emisoras Atalaya: 0400, SP, futbol to 0410, then mx px, ID & jingles, 0448* (Stephany 8/29); IDs w/poss. freq. info, brassy fiesta mx (Jordan 8/14); 0610*, SP, ID, ment. "Republica del Ecuador" NA by band and off (Valko 8/20)

CAMEROON, Douala: 2119, FR, M w/comments and mx (Bolland 8/31); 2304, FR, Afro mx, few anmts, 2310* w/NA (D'Angelo 8/17); 2245, FR tx, lcl pop (Tindall 9/6); 2230, classical mx (Plum 9/4)

VENEZUELA, R. Lara: 0054, SP, EZL mx, ID by M (Valko 8/10)

ECUADOR, R. Popular: 0903, SP, mx until 0907, TC and ID as "R. Popular" (Bolland 9/3); 4801, 0640, great Andean mx, M DJ, ID 0644 (Pappas 9/11)

GABON, ANO: usual s/on 0500, keep seeing reports of this on 4811 but it's been on 4810 whenever I hear 'em (Moman 8/6); 0500, FR pcp mx, headlines 0515 (Tindall 8/20) 2255 (Tindall 9/6)

PERU, R. San Martin: 1026, SP, nice OA mx, rapid tx by M w/mention of freq, back to mx (Valko 8/24)

Honduras, HRVC: 0216, classical mx, 0440, interview w/Perez de Cuellar, other nx features, relig px 0445 (Tindall 8/20); 0056, SP, inst mx, ID 0100 by M (Valko 8/10)

UNID, believe North or Central African here 0651 w/snatches of tx by M, afro mx (Pappas 9/11)

BRAZIL, R. Educadora, Braganca: in middle of s/on anmt, calls and freqs, 0832 (Berg 9/5)

GUATEMALA, R. Mam: 0210, SP, marimba mx, remarks by OM, ID, 0236* (Pickard 9/3); 0230, SP, marimba mx, distorted but readable audio, 0237* (Jordan 8/26)

PERU, LV de la Selva: *1000, s/on w/NA, opening anmt, ID as "La Voz de la Selva ... frecuencias ... onda media banda de 770 kc 5 kW, onda corta banda de 4825 KHz, 10 kW (Yoshida 8/17)

VENEZUELA, R. Tachira: 0109, SP, long fast tx by M, TC, mention of San Cristobal and Caracas (Valko 8/10); SP 0200, lively LA mx, some QRM problems (Jordan 8/14)

COSTA RICA, R. Reloj: 0210, SP, LA mx, ID 0220 (Woods 9/1)

GUATEMALA, R. Tezulutan: 2204, SP, mx until 2206 when full ID is given followed by NA, into mx (Bolland 8/23)

VENEZUELA, R. Valera: 0112, SP, upbeat LA mx, 3 IDs during break at 0114 (Valko 8/10)

BOTSWANA, RB: *0347, Setswana, cowbell, rooster, etc til 0359, choral NA and ID in EG "You are tuned to R. Botswana from Gaborone" by OM, exc signal! (Valko 8/8); *0353, similar to Valko's details, EG at 0435 (Enkenus 8/12)

INDONESIA, RRI Ambon; IN, 1141, IN mx w/YL comment (Bolland 8/28)

MALAYSIA, RM: 1410, Hindi/LL, YL w/Hindi mx px to 6 pips @ 1430, into nx to 1439, many clear IDs (Lucas 8/27)

MAURITANIA, RTVM: 2350, AR, Koran to 2359, then M w/mentions of Nouakchott and Mauritania, 0001* (Lare 8/30)

COLOMBIA, LV de Cinaruco: 0335, SP, net nx by M w/mention of CARACOL several times (Valko 8/10); 0945 lively mx (Bobb 9/2)

- 4870 BENIN, ORTB; 2145, "La Voix de la Revolution" ID, big band mx, nx at 2212 (Plum 9/5); 2244, EZL mx and hilife, OM ID, TC at 2300, into anmts and NA (D'Angelo 8/17)
- 4875 COLOMBIA, R. Super Medellin; 0900, full ID (Yoshida, Japan 8/24)
- 4880 SOUTH AFRICA, SABC; *0350, Afrikaans, s/cn w/usual IS, anmts by M, into nx (Valko 8/10)
- 4885 BRAZIL, Rdif. Acreana; tent. 0911, PT mx, M comments, underneath R. Clube do Para, faded by 0917 but readable (Bolland 8/6)
- 4885.5 PERU, R. Huancavelica; 1127, OA mx, M tx, good lvl (Yoshida 8/17)
- 4890 PAPUA NEW GUINEA, Pt. Moresby; 1102, EG, nx of P/NG, EG pop mx selections (Purdum 9/5); 1108, EG, mx and comments w/couple ads, back to mx (Bolland 8/6); 1150, EG, M w/mx, TC and ID (Bobb 9/2)
- 4890 SENEGAL, RS; *0555, FR/AR, IS, NA, s/cn by M, TC/pip, nx by M, into AR px, nx in AR 0615 (Stephany 9/2); *0656, FR, harp IS to NA 0658, ID by M 0700, glad this one is back, some of the best mx in the world...(Pappas 9/11); UNID 2250, possibly Senegal w/Indian-type mx (Alcorn 8/14)
- 4895 BRAZIL, R. Bare; 0055, PT, M w/U.S. pops, mentions of "Brazil" TCs at 0110 and 0114 (Lausevich 8/10); 0941, comments until 0943 by M, then mx (Bolland 8/2)

Well, that wraps it up for October. Logs were a little lighter than expected. Now that fall's here, it's time to get going behind those dials. Temperatures in Chicago have gone from 90° to 50° in about a week. I don't know about you, but I'm freezing. Hopefully, the computer will function a bit nicer next month. Until then, I'll let Bill fill out the space. 73..

NOTICE, PLEASE

Dave Walcutt, editor of Log Report "C", reports that the logging slips were never delivered to his residence and we can only assume that they have been lost in the mail. With the kind assistance of the U.S. Postal Service, LR-C will return next month. We are sorry for the inconvenience.

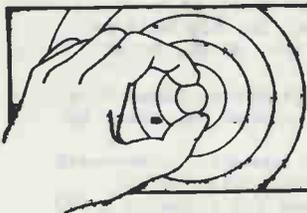
FOR SALE: FRG-7700 with memory and FRA-7700 pre-amp. Has 2.7, 4.0, and 12.0 filters. Factory manual and carton included. In mint condition. Price \$395.00 UPS paid. Hadley D. Cress, 1361 Devon Lane, Harrisonburg, VA 22801. Phone (703) 433-2263.

FOR SALE: Galaxy R-530 general coverage receiver in mint condition. Includes 2.1 and 6.0 kHz filters and manual. Covers 500 kHz to 29.0 MHz. Price \$350.00. Ross Forbes, P.O. Box 1, Los Altos, CA 94022.

FOR SALE: Galaxy R530 with SC-530 speaker and manuals, \$225.00 or best offer. Gilfer A-20 preselector, \$20.00. FRENDX, complete 1/77 to 12/81 and WRTH, 78 - 81, best offers. Cashiers check or money order and all prices are plus shipping. Al Drehmann, 11714 SW 129 Court, Miami, FL 33186. Phone (305) 385-3879.

TRADE: Tempo 1 H.F. transceiver plus cash for R-70, R-2000 or similar unit. Tempo comes with AC-1 power supply and covers 80 - 10 meters at 300 watts P.E.P.. It has AM/SSB/CW capabilities with PTT/VOX, RIT, 1 kHz readout. Will sell outright for \$285.00. Fred Schumacher, RR 2, Box 231, Kindred, ND 58051. Phone (701) 428-3839.

FOR SALE: Kenwood R-600, \$225.00. Mizuho SX-59 preselector, \$50.00. Autek QF-1A audio filter, \$50.00. Sony ICF-590CW, \$90.00. I will pay postage. K. Potlock, 6418 Tarna, Houston, TX 77074. Phone (713) 772-3444.



LOG REPORT

section B

4900 to 6199 kHz

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

- 4900 VENEZUELA R. Juventud, 0117-0125 8-10, pops, man anncr, TCs, IDs, fair with CW QRM (Valco); pops 0133 8-16, ID, EG rock hits (Tindall-NC); SF vocals with accordian accompaniment 0203 on 8-7 (Jones); pops 1010 on 9-5, ID 1020, good sig (Purdum).
- 4905 BRAZIL Not sure which, Relogio or Araguaia. Talk in FT by man at 0915-0925 8-6, vY poor sig preventing ID. Format not like Relogio's (Bolland-FL).
- 4910 GHANA Accra, EG nx by man at 0605 8-14, drum beats 0616, into vernac. (Lare-MI).
- 4910 UNID. LA, 0600 8-24, EZ lstrg vocal mx, talk by men between songs, ments. of "La Radio de Colombia," "R.E.M.," "el tropical de la hora." Taped mx, canned armts, weak audio. Maybe new, but no positive ID. (Valco). Gran Colombia? See next item (JB).
- 4911 ECUADOR Emisora Gran Colombia, 0459 9-2, mx, TCs, some ads, frequent ID jingles, RCM plugs, deportiva coverage, good-very good sigs, light het (Stephany-NY).
- 4911 ZAMBIA Lusaka, in vernac at 0345 8-15, fish eagle IS to 0350, mention of Zambia by man, anthem possible nx at 0400 (Lare-MI).
- 4915 BRAZIL R. Anhanguera, man with ID and quiet Sunday eve mx and talk, 0000-0030 8-15, fair sig (Bobb-MK); ID 0003 8-17, ad, talk (Tindall-NC); 8-13 0120 with best signal on 60 meters, young kids singing, long list of stns 0131, Anhanguera ID at end (Moman-ALB); drama 0156 8-19, Brazilian romantic ballads next, ads, ID 0300; poor (Konen-WI).
- 4915 BRAZIL R. Nac. de Macapa, 0310 8-26 with Brazilian pops, spot IDs, full ID with echo effect 0320, local mx (Jordan); 0926 on 8-27, poor sig, mx, talk by twc men, many mentions of Macapa (Bolland-FL); presumed this one, man anncr, guitars, sad, mournful harmony at 0630-0700 8-20, "Amazonas" mentioned couple of times (Sharpe-CA).
- 4915 COLOMBIA Armonias del Caqueta, 0956-1020 9-1, fair sig with s/on info followed by mx and talks (Bolland-FL); 1016 on 8-30, man talking, ID at 1020, nice local mx, ID agn 1030, TC, fgy, mx contd; fair in QRN (Jordan).
- 4915 KENYA Nairobi, fair at 2113* 9-11, a hair below Ghana but separable on LSB (JB).
- 4920 AUSTRALIA ABC-Brisbane, some EG nx stories at 0640 on 8-24, mx, wx for Brisbane and surrounding area (Lare-MI).
- 4920 ECUADOR R. Quito, ad for Banco Popular at 0232 on 8-14, then mx, very good sig (Pate-ME); man with running cmtary on futbol game at 0300 9-1, pop mx, ID 0315, LA mx, poor sig (Stanley-AZ); classical mx 0355 8-27, ID, exc sig (Lineback-TX); presumed then at 0450 8-20, seemingly a political talk, Quito mentioned couple of times (Tindall-NC).
- 4925 BRAZIL R. Dragac do Mar, tentatively at 0003-0018, poor sig 8-11, sports event (Bolland-FL).
- 4925 BRAZIL Rdif. Taubate, 0015-0035 on 8-8, complete armt 0015 with fgy and pwr FL). but no ID as such, pops, long ID 0035, good sig with slight QRM (Valco).
- 4934 KENYA Nairobi, *0327 8-22, EG, flute and drum IS tho flute more prominent, time ticks 0330, ID by man, choral NA; poor but there amidst the QRN (Valco).
- 4940 IVORY COAST Abidjan, FR talk and mx 2330-2350 on 8-10, believed nx (Pate-ME).
- 4940 KIRGHIZ SSR Frunze, 0223-0245 8-15, RS folk piano mx, jazz later, IS twice at 0244, then gal with "Govorit Frunze"; fair sig, clear (Valco).
- 4945 BOLIVIA R. Illimani, man going into nx at 1010 9-2, IDs 1015, La Paz mentioned, interview, peppy ID with TE and fgy at 1023, fair sig (Jordan); poor on 8-13 at 0111 with SF mx, mentions of La Paz, organ mx, //6025 a little better (Moman-ALB).
- 4945 BRAZIL Unid. at 0923 8-6, poor sig, two men talking but Colosal covering up (Bolland-FL).
- 4945 COLOMBIA R. Colosal, 0330-0335 8-10, Caracol net, ID, nx by man, some mx, co-channel QRM (Valco); typical uptempo HU pops, 0608 on 9-4, poor sig overall (Konen-WI).
- 4950 SARAWAK Kuching, EG 6-13 at 1327, EZ lstrg mx, ID 1330, EG nx 1332 (Moman-ALB).
- 4955 BRAZIL R. Cl. Rondonopolis, hrd arnd 0945-1015, Br. pops, ID 1000, fair (Yoshida-JPN).
- 4955 BRAZIL R. Cultura de Campos, vY good with full ID at 0900 8-22 (Yoshida-JPN); talking 0920 8-10, occasional jingle, full ID 0926, poor sig (Bolland-FL).
- 4970 VENEZUELA R. Rumbos, LA mx 0132 8-10, TC, into phone conversation, ID 0328 (Valco); 8-16, twc men talking, ID given 0153 (Tindall-NC).
- 4976 ECUADOR Rdif. Tarqui, 1046-1103 8-24, mostly HC mx with "Tarqui" mentions between songs, s/on armts by man, NA by band, believed then nx; bad fading from 1100 (Valco).
- 4980 SWAZILAND R. Trurc prgs, EG and Indian mx 0404 6-8, chanting, ads for hardware and cameras, contest armts, TCs and IDs, very good and clear (Valco); exc 0415-0430 on 9-3, pops, EZ lstrg mx, ID, ads (Lineback-TX).
- 4980 ECUADOR Ecos del Torbes, very good with man and ID 0059 8-17, then SP mx (Pate-ME); R. Antonio Maceo (CID) prgs to 0132 end 9-6 (Flum-KJ); talking 0137 8-10, echc, jingles, bank ad, ID with weak audic, seemed like a sporting event, good sig (Valco); WJA nx at 0154 8-16, Banco Provincial ad 0024 8-17, jazzy LA mx (Tindall-NC).
- 4985 BRAZIL R. Brasil Central, ID at 0147 tune-in on 8-10, brief mx and talk by gal, then man, mentions of Brazil and Sac Paulo, light mx, fair-good sig (Valco).

- 4990 NIGERIA Lagos, "Sat Nite Out" remote prgm, 2230-2315 9-3, YV QRM growing (Plum-NJ).
- 4990 SOUTH AFRICA R. RSA, EG prgm 0420-0427* 8-21, mx, m; in brief, s/off armt as EG Svc of R. RSA. //5980 much QRMd, 3250 weak, this fgy pretty good (D'Angelo-PA).
- 4990 VENEZUELA R. Barquisimeto, 0154-0219 8-10, vocals by youngster, YL talking about YV, armts between songs, harps, ID 0218 (Valko); man anncr at 0210 on 8-31, romantic songs, ID 0225, 0234, fair sig overall in moderate static (Stanley-AZ).
- 4996 PERU R. Andina, 0926 8-11, poor with mx, talk, much QRN (Bolland-FL); 0932 8-9, talk mentioning Peru, TCS, exc OA mx, also some strange stuff, fair-good in QRN (Valko); nice mx to wake up to at 0957 on 8-11, possible ID 1000, fair sig (Pate-MD); ID at 0400 9-3, vocals, fair (Lineback-TX); exotic numbers, armts by a man, IDs, slogans, march mx to close-out, and 0454* s/off on 9-1, fair in static (Jordan).
- 5010 CAMEROON Garoua, 0451 with brief armts by man interspersed with Afr mx and drums, flute and tamtam IS 0458, FR nx, brief EG 0504, more Afr mx (Enkenhus).
- 5015 BRAZIL R. Cultura, brass instrumentals at 0210 on 8-20, romantic ballads, man anncr with echo ID 0216, talks at 0235, very poor, horrendous QRM, static (Jordan).
- 5015 CLANDESTINE R. Truth, said to be run by S.Afr govt and beamed to Zimbabwe. *0430-0459* with birds IS and clear EG ID, deep fades and virtually unintelligible at times. "Sounds of Silence" 0443, birds IS from 0456 to switch, 8-21 (Reinstein); *0430 8-31, mechanical bird IS, EG ID, Zimbabwe tirades, fair to 0445 (Krueger-FL); barely hrd in EG at 0438-0459* 8-25, talk abt Mugabe, some mx, bird IS 0455, very poor (Konon-WI).
- 5015 ECUADOR Esc.Rdf.Populares, Quechua 0925 8-5, HC mx, gal anncr, ID 0957, talk, more mx, good sig (Valko); fair 1020 8-22, writing lessons, occasional mx (Bolland-FL).
- 5020 SOLOMON ISLANDS Honiara, religious prgm 1020 on 9-4, into Blondie mx, nx 1100, island mx 1115, fair sig, first time logged (Plum-NJ); man with island mx 1045-1055 8-13, fair sig, EG language (Bobb-MN).
- 5025 BENIN Parakou, poor 8-5 at 0550, upbeat Afr rhythms with 2 anncrs (Konon-WI).
- 5025 BRAZIL R. Borborema, 2319 8-10, men talking, some mx, full ID 2330, poor sig; also 9-5, sporting event 0005 9-5, ads 0015, poor again (Bolland-FL).
- 5025 PERU R. Quillabamba, *1045 8-26, test mx, full ID, good sig (Yoshida-JPN).
- 5030 PERU R. Los Andes hrd by several. 0932 8-5, guitar mx, yipping, TC and ID, more OA mx, ID and TC again, exc in QRN (Valko); gal DJ 0944 9-6, OA songs, many TCS, ad strings 0959, 1027, good-very good (Stephany-NY); gal 0950 8-25, TC 0951, OA mx, ads, VG sig(Lare-WI); mx, talk 0950 8-7, "Theme from 'Romeo & Juliet'", ID, fair (Konon-WI); powerhouse 1007 8-21 (Bolland-FL); *1012 8-24, NA, ID, "Buenos dias, Peru" prgm, ID as "OAZZA, 5030 kHz.", banda int'l de 60 metros, onds corta en AM, transmite para Uds. R. Los Andes desde Huamachuco, Peru" (Yoshida-JPN).
- 5035 CENTRAL AFR. REP. Bangui, *0428 on 8-21 with IS, anthem, s/on armts by man incl.fgy, into light Afro mx with OM talking, Afro pops arnd 0440; fair sig (D'Angelo-PA); tent. then a little above, maybe 5036, 0518 8-20, Afro mx with drums, think talk was FR but not positive because of het and CW QRM (Tindall-NC).
- 5035 KAZAKH SSR Alma Ata, 0000 on 8-8, hrd IS underneath the Brazilian, fairly weak but definitely there. RS talk by gal. Hrd on DXpeditor with 500' LW. (Valko).
- 5045 BRAZIL R. Cultura do Para, several dates in the 0900-0945 slot, mx, talking, ads, generally fair sig (Bolland-FL); 0132-0158 on 8-22, 0240 on 8-16, vocals, IDs, PT EZ lstng mx (Valko).
- 5045 PERU R. Rioja, poor overall at 0330 on 8-10, light mx with vocals, weak but clear of QRM and static (Konon-WI).
- 5047 TOGO Lome, FR talk at 2245 on 9-6, instrumental mx 2303, MoR mx, fair sig (Tindall-NC); 2336 on 8-10, poor sig, men talking with brief periods of mx, seemed FR but quick fading caused problems (Bolland-FL); FR talk 0549 8-7, S.Garfunkle mx (Pate-MD).
- 5050 COLOMBIA LV de Yopal, prgm of mx at 0030 on 8-3, man anncr, ads and ID jingles, also mentioned R. del Plata in one, off with NA at 0057*, fair-good in QRN (Stephany-NY); good and getting better, giving ID arnd 0100 on 9-18, Todelar ID-promo (JB); 0259 on 8-8 with upbeat LA vocal mx, several IDs, more mx, must tune on low side (Valko).
- 5050 ECUADOR R. Jesus del Gran Poder, 1010 on 8-21, good sig with man reading prayer, mx in background (Bolland-FL).
- 5055 COSTA RICA TIFC, EG Christian songs of praise at 0300 8-19, talking about reading the bible, poor in severe summer static (Stanley-AZ); good at *1048 on 8-26, seemingly their NA, then opening mx and full ID by man (Yoshida-JPN).
- 5055 FRENCH GUIANA Cayenne hrd 8-6 and 8-24 in 0915-1000 slot, talk in FR, mx, fair both dates (Bolland-FL); barely audible at 0950 on 9-6, mx prgm (Plum-NJ).
- 5055 UNID. AFRTS prgm and ID at 0530 8-20. Real or image? (Tindall-NC). Letter-JB.
- 5075 COLOMBIA R. Sutatenza, 0055-0120 on 8-3, M&W in SP with repeated IDs near the hour, pre-futbol show at 0102, //5095 (Enkenhus); talk by man at 0127 on 8-22, "Difusora Sutatenza" prgm, many IDs, ads, LA mx, mentions of Colombia; ute QRM (Valko).
- 5095 COLOMBIA R. Sutatenza, nx 0115 8-14, ad, ID as "Cadena Sutatenza de Col" (Tindall-NC).
- 5106 CLANDESTINE LV del CID, 0124-0205 on 8-3, "Panorama Mundial" prgm at 0126, "Mundo Cultural" at 0201, numerous IDs as LV de Cuba Independente y Democratica (Enkenhus).
- 5125 UNID. 2348-0005 9-4, poor, RS talk till the hr, un/familiar IS, maybe mx (Bolland-FL).
- 5190.5 PERU R. Nuevo Continente, 0015 on 8-27 and to 0502* on 9-1 with flutes and ballads, live s/off armt 0501, ". . . atencion campesinos . . ." R. Nuevo Continente . . . meridiano . . . onda corta 5190 kHz . . ." Off without NA, fair-good. Per Codina, this is in Cajamarca (Krueger-FL).
- 5300 PERU Tent. R. San Francisco de Ayacucho, very poor 0020-0026, M&W discussion, tent. per Codina's ID; 9-2, with SP SSE net QRM (Krueger-FL).

- 5360 PERU R. Vision, almost daily arnd *1106, NA, opening armt, folklorica prgm, fair-good sig: "R. Vision en 1545 kc/s onda larga desde la provincia de Mariscal Caceres, Dpto. de San Martin" (Yoshida-JFN); Kenry Rogers' "Lady" at 0344 8-24, LA vocals, EZ lstrng mx, echo ID, NA, 0409*, poor sig (Konen-WI); EZ lstrng mx 0354-0404* 8-20, TC, IDs, NA to close; nearly every day during fair-good condx. Address? (Valko). QTH is Huallaga 559, Juanjui (JB).
- 5451 W. IRIAN Tent. HRI-Biak, 1153-1200 8-28, gal singing, barely audible (Bolland-FL).
- 5617 PERU R. Ilucan, presumed then 0020-0039 9-2, political talk by man (Krueger-FL).
- 5770 CHINA Fujian Front Stn (PLA), usual CC mx and talk, poor, 1100-1200 9-5 (Paikennhan).
- 5945 AUSTRIA Vienna, exc 0129-0158 8-11 with EG "Rpt from Austria," nx, various special rpts (Krist-VA); good, same type of prgmng, 0130 8-24 (Blanchette-FL); 0158 8-19 with IS, ID, mar. and woman with nx, fair with het in QRN (Bobb-MN); 9-4 at 0140 with talk on influence of TV on the family (Forsgren).
- 5950 GUYANA Georgetown, *0727 on 8-12, anthem, pledge of allegiance, s/on armts, "GFC Inspirational Time," numerous TCs, bible quotes, devotional mx. "Early Bird Show" at 0759, birthday wishes, greetings to listeners; fair sig overall (L'Angelo-FA).
- 5950 NICARAGUA Voice of Nicaragua, 0100 9-4 with EG "Nic Today" nx prgm, "Contact 248" mailbag prgm, fair sig (Forsgren); 0100 8-17 with IS, ID, nx, info for US citizens wishing to visit, ltrs, acknowledging rpts, good sig (Stanley-AZ); "Friendship Prgm" 0108 8-12, ltrs, mx, nx, TCs, to 0200 (Alcorn); 8-13 at 0135, tourist prgm, cn fay of 5955 (Moman-ALE); 1053 on 8-5, IS, opening armts, clear sig, SF at this hr (Valko).
- 5955 BOLIVIA Radio Pio XX, fair 8-24 0957-1037 with CP mx, many TCs (Yoshida-JFN).
- 5955 COLOMBIA LV de los Centauros, 0950-1002 on 8-18, lively LA vocals, talk between songs, jingle and ID with fqys and call; good sig (Valko).
- 5960 CANADA RCI, opening armt for EG to NA at 0000 on 8-15, nx, talk on nuclear reactors, mailbag prgm, to 0029 (Krist-VA); baseball special 0015 9-4 (Forsgren); "As It Happens" at 0143 on 8-17 (Barta).
- 5965 BRAZIL R. Guaiba, variety of mx at 0912-0924 on 8-21, pips at 0915, occasional talk between mx numbers, very relaxed style, fair sig (L'Angelo-PA); 0929-1000 on 8-24, talk, TC, ad, accordian mx, nx, EZ lstrng instrumentals, fading by 1000 (Valko).
- 5974 COLOMBIA R. Macarena, LA vocal mx 0939 8-18, ads, jingles, IDs, exc sig (Valko).
- 5980 SIERRA LEONE Preetown, 8-29 at 2300, mostly Afr mx, man talking occasionally; seems like best time to hear them without WYFR/VoFC QRM; fair sig (Konen-WI).
- 5982 MEXICO XEJ, Linares, fair strength but poor overall on 9-8, 1015, Mexican mx, many IDs by M&W, anncd SW fqy and gave an address in Linares. Het from about 1030 from carrier on 5980; did not get exact fqy they anncd (J. Jones-MS).
- 5995 AUSTRALIA RA, EG ID 1026 8-25, TC at 1030, into lstrng request songs (Krist-VA).
- 5995 MALI Bamako, 2355 8-25, poor overall, man talking, stringed instrument, weak under carrier and blocked completely by strong tone at 2347 (Konen-WI).
- 5995 USA VCA, talk on Arg election prospects at 0136 8-17, business rpt, ID (Barta); also in EG at 0615-0625 on 8-12, elections, finance, US-Mexico meeting, etc. (Gaffin).
- 6005 CANADA CFCX-Montreal, seemed nx at 1626 on 8-12, but very weak (Lare-MI).
- 6006 COSTA RICA R. Reioj, rapid-fire nx at 1200 on 8-18, IDs as "R. Periodico Reioj," "Ave Maria" every day at 1200, very good sig (McLemore).
- 6010 SINGAPORE BEC PES, fair-poor at 1429 on 8-15, EG ID, then Hindi prgm, all talk, no mx, better on //7180 (Lucas-CA).
- 6015 VATICAN VR, "Pope and the People" prgm 0050 8-10, EG, past 0100 with no ID (Jones); talk on papal audience at 0056-0105 9-8, EG (Fodge).
- 6020 BRAZIL R. Universo, two men with talk prgm at 0630 on 8-23, mx 0643, religious sermon 0644, ID 0651, very poor (Lausevich); 8-13, local mx 0645, man with hyper speeches, ID, more frenetic speeches after 0700 ID (with fqy), fair in QRN (Jordan); also on 8-13, ID 0950, then religious mx and talk, fair sig (Bolland-FL).
- 6020 MEXICO R. Nucleo Oro, really a surprisingly good sig on 8-6, 1144-1208, ads and mx, more ads 1153, gave ID with fqy after chimes (Bolland-FL).
- 6020 SOUTH AFRICA R. RSA, EG nx 0150 on 8-28, "P.O. Box 4559," "Touring RSA," to 0257 (McLemore).
- 6025 BOLIVIA R. Ilinani, poor 8-18 at 0047, SP ballads, vocals, US pope, man anncr, bad QRM from AFRTS Orioles game on 6030 (Konen-WI).
- 6025 NIGERIA Enugu, strong with local mx at 2230 on 9-5, EG nx 2300, 2305* (Plum-NJ); pops at 2312 on 8-20, man anncr, ID 2327, TC, back to mx prgm (Lare-MI).
- 6035 AUSTRALIA RA, world nx at 1605 8-12, Aussie items, weak but 100% copy (Lare-MI).
- 6035 BRAZIL E. Globo, 2302-0004 on 8-9, ads, talk by M&W, gave fqy, mentioned Sac Paulo, guitar mx, jingles, ID 0002, good sig (Valko); mx C242 8-7, ID 0244, phone-ins, but submerged by VOA-Monrovia s/on at 0256, fair sig (Enkenhus).
- 6035 USA AFRTS, baseball game 0235 8-17, ID 0304, mx, nx, ID again at 0328 (Gaffin).
- 6040 ANTIGUA DW relay, EG at 0100 8-20, ID, nx, "Focus on Bonn," history, "German by Radio," good sig (Stanley-AZ); nx 0103 on 8-19, cntry, feature reports, to 0146 (Fodge); Rptd as 6045, 0100-0123 8-18, ID, ID, nx, features, exc sig, all EG (Stephary-NY).
- 6040 EAST GERMANY RBI, 2215 9-3 in PT, IS, ID, nx, VOA QRM, ststic, fair-poor (McLemore).
- 6046.5 DOM. REP. R. Santiago, but no ID hrd, often with rapid-fire nx, two men, 1008-1030 on 8-18, an ad, fair sig; and poor-good 8-24 with "Noti Tiempo" nx, Santiago mentioned often, armchair quality at 1005, sinking 1030 (Bolland-FL); unusually good 0933 9-5, pretty much in the clear, "Noti Tiempo" starting 0935; and at 0110 8-19, nx, chimes, TCs, I think they went off a little past 0300 (JB).
- 6055 JAPAN Presumed NSE, 1318-1323 8-10, poor sig, man with tapes of intl S&BC stns, IS's and IDs, //3925 better (Lucas-CA).

- 6058.2 UNID. Tent. Miri, Sarawak, 1135-1150 8-13, typical Malayan mx, comments 1149, but too weak to really copy (Bolland-FL). 12-82 DUDXS says Chengdu, China is on 6058.5, //7225, Miri on 6062 (JB).
- 6060 AUSTRALIA RA, stock market rpts at 1612 on 8-12, EG (Lars-MI).
- 6065 USA WYPR, religious mx 0132 on 9-6, talk on loneliness, very good sig (McLemore).
- 6070 CANADA CFRX-Toronto, CW format 1020 8-27, TCS, Disneyworld ad, nx on half hr (Bolland-FL); mx at 1617 8-12, very good sig (Lars-MI).
- 6085 COLOMBIA Ondas del Darien, 1002-1030 9-7, NA, march, long intro, LA mx (Falkenhan).
- 6085 FRANCE RFI, *2200, into nx, 8-9 (Alcorn).
- 6085 W. GERMANY DW, 0100 8-24, IS, ID, world nx, "Mike or Bar," press rvw, etc. (Stanley-AZ); "Germany Today" 0129 8-26, "People and Places," very good sig (McLemore).
- 6090 LIBERIA ELBC, 0706 on 8-15, man with ID, African nx 0715, ID, ads, police rpt (Bobb-MN).
- 6090 LUXEMBOURG R. Luxembourg, "Midnight Memories" pop tunes 2345 8-27, EG (Alcorn); 0021 9-4, ad for "Nx of the World," "Earthlink" smt, lstr grtings, EG, gud (McLemore).
- 6095 PERU R. Nacional, almost daily, good with OA mx at *1100 (Yoshida-JPN).
- 6105 BOLIVIA R. Panamericana, man with amts at 1025 8-26, instr.mx with flutes, guitar, piano, ID by gal (Thunberg-PA); ID 1054 8-15, amts, mx to 1100 (Jones).
- 6105 MEXICO XEQM, "Su Pantera," bookstore ads 1306 8-31, one for insecticide, EG pops, fair-good sig (McLemore); ID 1327 8-14, SP and 60's/70's US tunes (Jones).
- 6110 MALTA R. Mediterranean, EG at *2230 8-30, ID as "This is R. Med," by gal, then nx headlines, mx, wx, "All About Malta" prgs (Krist-VA).
- 6120 ARGENTINA R. El Mundo, poor 0932 8-13, occas.fading in under Brazil (Bolland-FL).
- 6120 BRAZIL R. Nacional da Amazonas, 0927-0953 8-13, MAW using revert mike, then mx; lengthy discourse by man 0933, ads 0937, distorted ID 0940, 0947, //11780 (Bolland-FL).
- 6120 CANADA BBC relay, WS in EG, "Off the Label" 2315 8-30, Big Ben 2330 (Krist-VA).
- 6120 NY CARAGUA R. Zinica, good sig 9-4 with EG and SP mx, ID 0340 (Plum-KJ).
- 6130 CANADA CHXK-Halifax, 2010 8-20, pops, coke ad, talk abt Portuguese in Canada (Alcorn); pop mx 2246 8-25, ads, nx by gal on the hour, fair sig (Bolland-FL).
- 6130 USA VOA-Greenville, *0000, IS, ID, nx, sports, wx, "Now Mx, USA," good 8-12 (Mayer-PA).
- 6135 BRAZIL R. Gaucha, 0949-0958 8-18, talk, R.Bras ID, fair sig (Bolland-FL).
- 6135 SWITZERLAND SRI, 0145 on 8-19 and 8-24, IS, ID, nx, features (Stanley-AZ); EG, with Swiss nx to 0050, then prgs on St. Gallen, 8-14 (Jones).
- 6135 TAHITI Papeete, poor on 8-14 at 0814, pop and island mx, //11825 exc at this time, and 15170, 9750 and 738 MW all audible also (Moman-ALB).
- 6136.5 UNID. There's a SP stn in here some AMs arnd 0930-1000, but cannot ID (JB).
- 6150 COSTA RICA R. Impacto, SP 2345 on 8-10, ID by male smcr, ballads (Pappas-PA); ID given at 0300 8-13, fqys, also hrd with ID at 0500 (Moman-ALB); lively LA pops at 0705 8-13, clever IDs, quick spots by gal, falling bomb sound effects, real commercial format (Jordan); mx 1001 followed by ID, then more mx, good on 8-13 (Bolland-FL); hrd with EG nx at 1145 8 (Weinhold). First time I recall seeing EG nx rptd. (JB).
- 6150 COLOMBIA LV del Huila, many IDs arnd 0455, after each tune, nice HJ pops, part of Caracol net; fair on 9-4 (Konen-WI).
- 6160 COLOMBIA Em.Nueva Grenada, 1001 8-13, mx, ads, ID, long talk by two men, fair (Bolland-FL).
- 6160 CANADA CKZN-St. John's, man with marine wx at 0925 on 8-30, nx of the region, movie rvw prgs, pops, TCS GMT-2g, fair (Bobb-MN); CBC nx at 1000 on 9-6, comment on high prices, ID as CBC radio, light pops (Falkenhan).
- 6165 BRAZIL R. Cultura de S.F., fair at *0900 on 8-17 with mx, full ID (Yoshida-JPN).
- 6165 NETH. ANTILLES RN-Bonaire, 0230 on 8-22, IS, ID, nx, Mon Rpt, //9590, good (Stanley-AZ).
- 6170 PHILIPPINES Maharlika E/C System seems the one here AMs arnd 1000-1100; no ID as such, tho a 7:00 TC at 1100, all EG programming, much EZ lstrg mx; just on the high side of the fqy, Cayenne on low side (JB).
- 6175 COSTA RICA TIFC, SP at 1059 8-5, ID, fqys, into religious talk, local QRN soon (Valko).
- 6175 ENGLAND BBC, "Brain of Britain" panel game 2330 9-5, question on initials SSB (McLemore).
- 6180 CYPRUS BBC relay, world nx at 2300 on 8-30, to 2315* (Krist-VA).
- 6185 USA WRNO, "World of Radio" 0315 8-21, started late due to football (Lars-MI); ID at 0430 8-20, then "World of Radio" (Krist-VA).
- 6190 PERU R. Oriente, *1038 on 8-5, NA, s/on amts by man, 3 IDs, mentions of Peru, into OA flute and guitar mx; severe het and QRN; EBC OC on 6195 at 1050 didn't help (Valko).
- 6200 PERU Unid. OA stn hrd 8-21 at 1106-1130, OA mx, man talking, fair; seemed like ID at 1117 but not sure. (Yoshida-JPN). Said to be LV de Huamanga, 6199.5 (JB).

Fairwell to LR-A editor Stu Klein, and "welcome" to Mike Nikolich. +++ With the IX season coming, and the increase in fall tropical band activity, I offer the following suggestions for reporting to LR-B: (1) please include the date of your logging, and remember that if it's 2100 EDT on 10-5, it's 0100 GMT on 10-6, so the date should be 10-6, to correspond to the GMT date; (2) list your estate next to your name; (3) don't report stns as unidentified or tentative if you've just listened to them for five minutes; spend enough time on the logging to try and identify it; report it as unid. or tent. only after you've tried to identify the station and spent some effort on it; and (4) report loggings for the period starting with the 1st day of the month prior to the month containing the deadline; for the October 12 deadline (for items to be published in the November bulletin), send in any loggings made on or after September 1. +++ Finally, thanks to our regulars and others who contribute every month. Whether you've been listening for ten years or ten days, your items are welcomed and appreciated.

LOG

REPORTERS

FRENDX

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

Hello and welcome to the October '83 issue of FRENDX. Thanks to the following fifty members for their contributions:

P. Barta, Toronto, Ontario (RF2800); Sam Barto, Bristol, CT; Jerry Berg, Lexington, MA (HQ180A, R390A); Jeff Berryman, Bronxville, NY (SX190mod); Marion Blanchette, Thonotosassa, FL (DX160, RF260, R600); Norman Bobb, Minneapolis, MN (R600, XCR30); Charles Bolland, Lakeworth, FL (R70, FRG7000); Richard D'Angelo, Wyomissing, PA; Kurt Enkenhus, Silver Spring, MD (NRD515); Eric Falkenhan, Baltimore, MD (R2000, 515-1); David Fodge, Coralville, IA (FRG7); Ray Forsgren, Chippewa Falls, WI; Bob Fraser, Cohasset, MA (XCR30); Josh Gaffin, New York, NY (RF310D); Michael Hawk, Hampton, VA (GE World Monitor II, XCR30); Harold Hodgson, Buxton, NC (R7); Brian L. Jones, Houston, TX (DX302); Rufus Jordan, Pittsburgh, PA (DX302, Zenith Transoceanic); Kraig Krist, Falls Church, VA (FRG7700); Terry Krueger, Casselberry, FL (IC-R70, RF490D, RF2900); Steven Lare, Holland, MI (2-B, FRG7700mod); Arnold Lausevich, Milwaukee, WI (HQ180C, RF4800); Jerry Lineback, Conroe, TX (R-7); Rick Lucas, Stockton, CA (R1000); Michael Martin, Plainfield, IN (RF2600); Bill Mayer, Allentown, PA (DX200, TCS-12); Tom Mazeltine, Seattle, WA (FRG7, ICF5900W); Don Moman, Edmonton, Alberta (R70, TS430, ICF5900); Nick Pappas, Fairless Hills, PA (SPR-4); Sheryl Paszkiewicz, Manitowoc, WI (DX302); J. Gary Pate, Baltimore, MD (R1000); Wilder A. Pickard, Evanston, IL (R7, XCR30); Bill Plum, Irvington, NJ (FRG7700mod); Gene Purdum, East Lansing, MI (FRG7700mod); Stewart Reed, Baton Rouge, LA (IC-R70); Steve Reinstein, Miramar, FL (R70); Bryan P. Sharpe, Castro Valley, CA (DX302); Todd Smith, Wilton, CT (Astro-15); Trevor Stanley, Flagstaff, AZ (NRD515); Nolan Stephany, Williamson, NY (R392); Bob Thunberg, DuBois, PA (SSR-1, HQ200); Bruce Tindall, Chapel Hill, NC (ICF2001); George Vadino, Bellevue, WA (SX110, RF4800); Dave Valko, Dunlo, PA (DX160, FRG7); Terry Weinhold, East Earl, PA (R1000); Eric Witzig, Annandale, VA (R1000); Bob Woods, Front Royal, VA (RF4900); Akira Yoshida, Iwate, Japan (RFB-30); Robert Zilmer, Rio Rancho, NM (R1000, ICF5900W).

Quite a few new reporters this time around. Nice to have you, folks.

As always, the deadline for contributions is the twelfth of the month. Please remember to cut your contributions apart and to include your signature slips.

Until next month, 73's and good DX,

Nick

- 11700 DOMINICAN REPUBLIC LVD CID VIA R CLARIN: 1735-1743 SP, FAIR MID-DAY RECP. ID AND TS 1740. INTO TLK BY M (VALKO 8/9) R EARTH INT'L: *0100-0302* SP/EG. INTO "THE WORLD" PGM. FEATURING RUDY ESPINAL, DOMINICANA AIR ADS. VRY GOOD (FORSGREN 9/4, STEPHANY, STANLEY, PURDUM, MCMORE) FROM UPDATE, MID-SEPT: FROM ALLAN LOUDELL, TN. COMES WORD THAT EARTH HAS TEMPORARILY LEFT THE AIR. JAMMING ON 11700 IS PRESENTLY VERY BAD, APPARENTLY DUE TO CUBA'S DISSATISFACTION WITH THE BDCAST OF LVD CID ON CLARIN. HAD BEEN OPERATING FROM A CONVERTED CONDO AT THE CURACAO HILTON BUT SEEMINGLY WILL HAVE TO VACATE IT. ARUBA SEEMS TO BE A POSSIBLE NEW SITE, AND STN MAY BE LOOKING FOR ANOTHER XMTX TO RELAY ITS PGMS. QSL'S HAD BEEN ORDERED BUT NOT DELIVERED (LOUDELL, PER PHONE CALL TO EARTH)
- 11705 SWEDEN RS: 2320, 0230 EG, REGULAR FEATURES, NEW INDIAN ADDRESS: BOX 203, PHANJABUR 613007, INDIA (ALCORN 8/28, STANLEY, WITZIG)
- 11705 WEST GERMANY DW: 0508 EG, CMTRY ON EAST GERMANY (WITZIG 8/4)
- 11710 ARGENTINA RAE: 0100 EG, //15345 W/ MALVINAS REPORT (STANLEY 8/16)
- 11710 SWEDEN RS: *2300 EG, "WEEKDAY" PGM, F (KRIST 8/25, FODGE)
- 11715 EGYPT R CAIRO: 0051-0125 SP, MEAST MX, NX, DENMARK GRM, F (ENKENHUS)
- 11715 SWITZERLAND SRI: 0145 EG, "TWO BOBS", "SUMMR", DISC OF KAL DOWNING (MAYER 8/6, STANLEY)
- 11720 USSR R KIEV: 2330-2358, 0210 EG, LIKE NX, MX AND TRAVEL PGMS, TRANSCRIPT OF SPEECH BY DEFENSE MINISTER ON KAL 007 (KRIST, GAFFIN, PAPPAS 9/12)
- 11730 PORTUGAL R RENASCENCA: *2330 PT, IS, ID, INTO BRAZ+PORT MX, G-VG (STEPHANY 8/10)
- 11730 NETHERLANDS RN: 2030 EG, AFR SERVICE, "REPORT" PGM, F (MAYER 8/10)
- 11730 SOUTH AFRICA R RSA: 0200 EG, NX, PGM TO NORTH AM; REPLACES 6020 AND IS // TO 5980, 9615, SIO 222 (ZILMER 9/4)
- 11735 CHINA R BEIJING CPBS-1: 1125-1215 PRESUMED CH, DID NOT HR EG @ 1200 AS PER 8/83 LN-16, ORCH MX, OPERATIC VOCALS BY W, F (JORDAN 9/5)
- 11740 TURKEY VOT: 0330 EG, DX PGM, TXC (FORSGREN 9/4)
- 11740 PORTUGAL R JAPAN VIA SINES: *2158-2230* JP, NX INTO EG NX 2215 (KRUEGER 9/4)
- 11740 MADAGASCAR RN: 1935-1945 FR, SIMON-GARFUNKEL MX//11730 LOPIK (PURDUM 8/28)
- 11745 TUNISIA RMT: *1900 AR, ANTHEM, FREQ LIST INTO KORAN, NX; G (LARE 8/21)
- 11755NF TURKEY VOT: 2212, 0255-0340 EG, MX PGM, AVOIDS VQA GRM ON 11740 (VADINO 9/5, JORDAN, MCMORE, ALCORN)
- 11760 COOK ISLANDS R COOK ISL: 0755-0815 LANG/EG, ISL MX, R AUSTR NX 0800 (//15115), BACK TO ISL MX 0810, SIO 222 (JORDAN 8/14)
- 11775 ANTIGUA BBC: 1256 EG: "SPORTS ROUNDUP" (KRIST 8/13)
- 11785 USSR R TASHKENT: 1200-1230 EG, "UZBEKISTAN THRU THE EYES OF FOREIGNERS" (WEINHOLD)
- 11790 INDONESIA VOICE OF INDONESIA: 1410-1501 AR, TLK AND VOCALS, ID, INTO EG, EXC (LINEBACK 8/13) 1500-1600 EG, NX, SPORTS, MAILBAG (VADINO 9/5, MARTIN, STANLEY)
- 11792.9 COLUMBIA R NAC: 1410-1438 SP, CLASS MX, BAD HET W/ INDO, BOTH STRONG (LINEBACK)
- 11800 ITALY RAI: 0100 EG, NX BY THE USUAL THOROUGHLY BORED ANNCR//9575 (STANLEY 8/14)
- 11810 ROMANIA R BUCHAREST: 0400 EG, "TOURIST NX", MX (STANLEY 8/13)
- 11815 POLAND R POLONIA: 0200 EG, "PANORAMA" CURR EVENTS SHOW, F (STANLEY 8/17)
- 11815 BRAZIL R BRAZIL CENTRAL: 0915-0922 PT, LAUGHING, EZ LIST MX, ID, FADING (VALKO)
- 11816 LIBYA RJ: 2200 EG, US ROCK MX PGM W/ "COUSIN DAVY", G (FRASER) ANY RELATION, DAVE???
- 11820 ALASKA KNLS ANCHOR POINT: *0900 EG, RS, S/ON ANCMTS INTO RS, GLENN MILLER MX, HRD 1100 AND 1500 BY SEVERAL RPTS (LINEBACK 9/3, MDMAN, JORDAN, BOBB, STEPHANY, KRIST)
- 11825 TAIWAN VOFC: 1115-1138 CH, CMTRY //15270 WHICH IS BETTER, F (BOLLAND 8/20) 0210 EG, CMTRY, CULTURAL PGM, G (FORSGREN 8/21)
- 11825 SOCIETY ISLANDS R TAHITI: 0330 PT (??NOT SKED..BS)/FR, (MAYBE TH?..BS), TLK AND ISL MX, F (STANLEY 8/22)
- 11840 GUAM KTW: *0900 EG, S/ON, BELLS IS, REL PGM, QSL INFO 0927 (STEPHANY 9/6, MDMAN)
- 11850 WEST GERMANY DW: 0932-1020* EG, GM LANG PGM (KRIST 8/13)
- 11855 USA WRVO: 2200-2212 EG, ROCK MX, ID, VG (MCMORE 8/12)
- 11860 USSR R MAGALLANES: 0228 SP, TO CHILE W/ ANDEAN FLUTE MX, INTO MOSCOW'S "ESCUCHA CHILE" PGM, POOR IN SPLATTER (PAPPAS 8/16)
- 11865 WEST GERMANY DW: 0130 EG, "VOICE OF GERMANY" PGM (ALCORN 9/1)
- 11880 SPAIN SFR: 0000, 0100, 0532 EG, BASQUE FOLK MX, POPE'S VISIT, SPORTS, NX (MAYER 9/6, BLANCHETTE, ALCORN, KRIST, FRASER, STANLEY, GAFFIN)
- 11895 PORTUGAL R FREE EUROPE: 2140, 0435 HG, EURO PRESS Rvw, GOOD (BARTA 9/5)

- 11980 SAIPAN (MARIANA ISLANDS) KYOI: 1029-1500 EG/JP, TOP 40 MK OF RECENT MONTHS. ID
"INT'L R 8 R 24 HOURS A DAY, SUPER ROCK KYOI", PRONOUNCE KYOI AS "CHOY", F-8
(PURDUM 9/5, ZILMER, BOLLAND, KRIST, JORDAN)
- 11910 HUNGARY R BUDAPEST: *0100-0129* EG, NX, BOOK REVIEWS (KRIST 8/23)
- 11920 IVORY COAST RI: 2120-2140 FR, ID, MX PGM, P (BOBB 8/21)
- 11920 GUAM KTW: 1429-1445 LANG, IS, INTO TLK (ASSAMESE PER WRTH), P (BOBB 9/2)
- 11930 CUBA RH: 0400 EG, "SPOTLIGHT ON LATIN AM", F (STANLEY 8/12)
- 11940 CARON AFR#1: 1907-2300* FR, NX ON AFR, HI-LIFE MX (PURDUM, McLEMORE, LAUSEVICH)
- 11940 SINGAPORE SEC: 1300-1320, 1545 EG, RADIO 1 PGM, MX AND NX (VADINO 9/5, LINEBACK)
- 11940 ROMANIA RB: 0400 EG, CMTRY, FAIR (STANLEY 8/16)
- 11945 SPAIN REC: 2320 SP, NX, ID (JONES 8/21)
- 11955 FRANCE RFI: 2240-2255 PT, TLK, LAM MX, F (BOBB 8/19)
- 11955 PHILIPPINES R VERITAS ASIA: 1331 EG/SINHALA, ID AND TC, THEN INTO PGM FOR SRI
LANKA (MOMAN 8/11)
- 11955 LEBANON RL: 0154-0200 FR, 0200-0230 AR, 0230-0300 EG, 0300+ SP, TLK ON LEB,
MX (STANLEY, ENKENHUS)
- 11960 NEW ZEALAND RNZ: 0806-0836 EG, MX HIGHLIGHTS FROM SHOW "TOM JONES", NAT PGM RELAY
(D'ANGELO 8/12)
- 11960 USSR RV: *2200-2228* EG, MAILBAG, CULTURE PGM, G (PASZKIEWICZ 8/18, KRIST, GAFFIN)
- 11975 EAST GERMANY R BERLIN INT'L: *2314-2355* EG, NX, DX CLUB (KRIST 8/8, MOMAN)
- 11990 CZECHOSLOVAKIA R PRAGUE: 0102-0117 EG, NX, CMTRY (GAFFIN 8/9)
- 12000 HUNGARY RB: 0200 EG, NX, PRESS REVIEW, G (STANLEY 8/18)
- 12025 ISRAEL KY: 0501 EG, NX, GOOD (8/14)
- 12070 MONDOLIA R ULAN BATOR: 1201-1229 EG, ANTHEM, ID, TO SEASIA& FEAST, MK: MUFFLED
AUDIO, F (FALKENHAN 9/5, PATE, JORDAN)
- 12290 USB AUSTRALIA RA FEEDER TO CARNARVON: 0715-0755 EG, "REPORT FROM ASIA", F-G (JORDAN)
- 13788 BLANCHETTE R NORTH STAR INT'L: 1955 EG, "DOCTOR OFFICE" MX PAST 2000 W/NO ID,
2001 JOHNNY CASH TUNE, 2005 CONDEMNATION OF V OF TOMORROW BCAST, ID, 2006* (JONES 8/14)
- 13795 ICELAND ISBS: 1915-1945 ICELANDIC, AM MODE, NX PGM, NOTE FREQ (LAUSEVICH 8/13)
- 13797 ICELAND ISBS: 1832-2000* ICE, PRESUME NX, NO MX, ID 1845, 2000 (FALKENHAN, VALKO)
- 14996 USSR RWM: 2109-2111 CW CALLING CO, STEADY TONE 2110 FOR A SECOND MARKING MINUTE,
THEN DOUBLE TICKS FOR A FEW SECONDS AND FINALLY JUST NORMAL SECOND TICKS (BOLLAND)
- 15000 HAWAII WVM: 1330, 2300 EG, TIME ANNCMT BY W, OVER WVM@1330 (ALCOORN, GAFFIN)
- 15000 JAPAN JY: 1619 JP, AUDIBLE UNDER WVM, TIME IN JP BY W w/ PROPAGATION FORECAST
IN CW (LARE 8/15)
- 15010 VIETNAM VOV: 1330 EG, NX, CMTRY, MX (ZILMER 9/1) 1420-1426* JP, TLK, MX (BOBB 9/2)
1752-1801 ASIAN LANG/EG, VOC MK, BRIEF TLK BY W, ID, FAIR (VALKO 8/9, CUCURA)
- 15030 GREECE VOGRREE: 1425-1450* GK, EZ MX, TO 1435 "EDO ATHINE" ID AND NX (NAME???)
- 15077 AFGHANISTAN RA: 1846-1900 LANG, TLK, MEAST MX, ECHO ID "THIS IS RA CALLING EUROPE"
GIVEN 4 TIMES, P-F (VALKO 8/9) 1900 EG, ID, WEAK (VADINO 8/7, CUCURA)
- 15084 IRAN VOIRI: 1756-1803 AR, TLK, W/ MNT ISLAMIC REP OF IRAN, MX TIL NX 1800 (VALKO)
2345 FARSI: TLK, BETTER SIG THAN //9022 (TINDALL 9/6)
- 15110 BULGARIA R SOFIA: 2230 EG, //9700 W/ "EDITORIAL" PGM, F (STANLEY 8/23)
- 15110 INDIA AIR: 0100 EG, NX, CMTRY, OFF 0115, POOR (STANLEY 8/28)
- 15110 SAUDI ARABIA BSKSA: *2245-2250 AR, WEAK UNDER SOFIA (VALKO 8/9)
- 15120 POLAND RP: 0259 EG, CAUGHT ID AND S/ON, HEAVY CRM DE SWEDEN (MOMAN 9/6)
- 15135 JAPAN RJ: 0300 EG, NX TO EUROPE, //17755, SIO 333 (ZILMER 8/31)
- 15135 BULGARIA RS: 2130 EG, NX, CMTRY, MX (ZILMER 8/28)
- 15145 USA WINB: 0201-0231 EG, "MORNING SUNSHINE" PGM, INTO SP 0231 (KRIST)
- 15155 ECUADOR HCJB: 0225-0259 EG, "UNSHACKLED" PGM (KRIST 8/9)
- 15165 DENMARK R DENMARK: *1900-1952* DANISH, ROCK MX (PLUM 9/5) 2257 DN, IS, EG ID (JONES)
- 15170 TAHITI R TAHITI: 0150-0248 FR, PHONE CALLS, POP MX, EG ANNCMT "HERE'S 101 PLAYING
ALL YOUR FAVORITES ON A MILLION DOLLAR WEEKEND" (BLANCHETTE 8/21, McLEMORE)
- 15190 CHINA RB: 1230 EG, TLK ON ALLIGATORS (WEINHOLD 9/6)
- 15200 SEYCHELLES FEBA: 0400 EG, "NEWSBREAK", CMTRY ON KAL 747 FLT, F/OUT 0430 (STANLEY)
- 15220 HUNGARY R BUDAPEST: *0100-0127* EG, NX (KRIST) 0300 DX SHOW, F (STANLEY 8/16)
- 15230 AUSTRALIA RA: 0615 EG, CLASS MX PGM, GOOD (LARE 8/29)
- 15231 NORTH KOREA R PYONGYANG: 2350 EG, ANTI-US PGM (HAZELTINE 8/21)
- 15245 ZAIRE VOIX DU ZAIRE: 0310-0340 FR, AFR MX & POP TUNES, FREQ MNT OF "AFR" AND
"FRANCE", "ZAIRE" MNT AS TENT ID 0335, VP (LAUSEVICH 8/14).
- 15260 UK BBC: 0115 EG, RECIPE CONTEST FOR "OUTLOOK" (BLANCHETTE 8/20)
- 15270 SWEDEN RSI: 2300-2329 EG, NX, DX SHOW, //11705 (GAFFIN, STANLEY, KRIST)
- 15290 BRAZIL R BRAS: *0200 EG, BRAS POPS, LOTTERY WINNERS, G-VG (FORSGRN, McLEMORE)
- 15300 FRANCE RFI: 1615 EG, PCA PGM, POOR (FORSGRN 8/21)
- 15300 PHILIPPINES FEBC: 0030 EG, RELIGIOUS PGM "REJOICE", SIO 333 (ZILMER 8/30)
- 15305 SWITZERLAND SRI: *0145 EG, NX, GRAPEVINE PGM, EXC (FORSGRN 9/4)
- 15305 PHILIPPINES AFRTS: 2230 EG, NX, SIO 232 (ZILMER 8/29)
- 15315 FRANCE RFI: 1600-1620 EG, PCA (FODGE 8/10)
- 15320 UNITED ARAB EMIRATES UAE RADIO: 1315 EG, TLK ON KORAN, NX 1330 (ALCOORN) 1640-
1656 EG/AR, NX, ID BY W, INTO AR, //15300 (21655 INAUD) (D'ANGELO 8/21) 1840
LANG, ME VOC & INSTR MX (BETTER ON 15300) CRM DE JAPAN (JONES 8/7)

15325 SEYCHELLES FEBA: 1600 (LANG??) IS AT 1508, FOLLOWED BY NX ABT AFR, OFF 1613(VADINO)

15345 NETHERLANDS ANTILLES TWR, BONAIRE: 0204-0220 SP, -REL PGM, "PROGRAMA CRUSADA",
ID "R TRANSDUAL, BONAIRE", F (ENKENHUS 8/7)

15345 ARGENTINA RAE: 2330 SP, FAINT ID UNDER TWR OM PGM (MDMAN 8/13)

15345 CANARY ISLANDS REE: 0100 SP, TIME PIPS, MX, CMTRY, DEEP FADES (STEPHANY 9/7)

15350 LUXEMBOURG RTL: 1759-1912 FR, NX, ADS, ROCK, JAZZ, AND RAVEL, SINGING ID USING
INITIALS RTL (PICKARD 8/28) 2105 FR, FR & AMER POP MX, TLK (PASZKIEWICZ 9/5)
2225 FR, POP MX, F-G (MCLENORE 8/11)

15370 ALGERIA RDIFF ALGERIENE: 0143 AR, NX OF LEBANON AND CHAD BY W, ID AND QURAN
0145, EXC (PAPPAS 9/12)

15385 CHINA RB: 0140 EG, "LETTERBOX" PGM W/ CH CUISINE (PAPPAS 9/12)

15400 FINLAND RF: 1425 FINNISH, IS INTO NX PGM (VADINO 8/27)

15425 SRI LANKA SLEB: 0120-0307 EG, "HAPPY MORNING SHOW" W/ LISTENER'S LETTERS, ETC.
"BACK TO THE BIBLE" PGM, D'ANGELO, MARTIN, FORSGREN

15425 AUSTRALIA ABC: 0105-0300 EG, US POP MX, TLK (JORDAN 8/17, HAZELTINE)

15435 UAE DUBAI: 0330-0358 EG, NX, REQUEST FOR REPORTS, SPORTS (LINEBACK, LUCAS)

15445 BRAZIL R NACIONAL D AMAZONIA: 0010-0200 PT, BRAS POP, MNT NETWORK STNS 0134
(SHARPE 9/1, FORSGREN, PAPPAS)

15474T ANTARTICA URA36 ESPERANZA BASE: 2249 SP, FAINT EZ MX, TLK BY W MNT MALVINAS,
TENT ID 2257, FADING BY 2330: HAS BEEN RPT'D (GH ON SWL DIGEST) ON 15483 BUT
I FOUND NO TRACE THERE (MDMAN 8/13)

15515 PAKISTAN RP: 1645-1744 EG, S/ON W/ IS TIL 1645 THEN ANNOCT BY W, INTO CHANTING
NX 1700, GOOD (PATE, VALKO, ZILMER)

15520 USSR R MAGALLANES: *0200-0229* SP, LAM CMTRY, CHILEAN FOLK MX (JORDAN 8/16)

15520 CHINA RB: 1240 EG, "LETTERBOX" PGM, G (FRASER 8/7)

15555 CLAUDESTINE R VATAN: 1702-1757* FARSI, READINGS BY M & W, FOLK TUNES, FULL ID
AND ADDRESS, OFF (STEPHANY 9/6)

15575 SOUTH KOREA RK: *1356-1432 EG, NX ON KAL SHOOTING DOWN, CMTRY ON WORLD OUTRAGE,
F (ENKENHUS 9/5) 0115-0130 SP, ID, TLK BY M REED 8/12) 0200 EG, CMTRY ON KAL
PLANE, //9640, 11810 (STANLEY, WOODS) FODGE)

15585 ISRAEL KY: 2015-2030, 2230 EG, "SPECTRUM" PGM, NX, SPORTS (JONES, GAFFIN, STANLEY,
16433 KIRIBATI R KIRIBATI: 2338 UNID LANG, COULD ONLY CATCH FAINT AUDIO HERE, LITTLE
BETTER 0000 (MDMAN 8/11)

17550 BELGIUM BRT: 1830-1900 EG, TLK ON INSURANCE, LETTERS (HODGSON 8/30)

17565 GREECE ERT: 1230-1300 EG, NX OF KOREAN PLANE (WEINHOLD 9/6)

17605 NETHERLAND ANTILLES RN: 1835-1855 DT, TLK, MX (HODGSON 8/30)

17620 FRANCE RFI: 1550-1630 FR, INTO EG 1600, PCA: 1830-1900 FR, TLK, MX (7 REPORTS)

17630 ISRAEL KY: 1850-1910 HEBREW, TLK, G (HODGSON 8/30)

17680 CHINA RB: 0250-0300 SP, TLK, MX, ID, INTO EG 0300 (REED 8/30) 0925 LANG, INTO EG
0931, GOOD (BERRYMAN 9/7)

17705 NEW ZEALAND RNZ: 0300-0505 EG, LIGHT MX, PANEL SHOW, NX, //15485, F (D'ANGELO,
STANLEY, FODGE, MCLEMORE, REED)

17710 DENMARK R DENMARK: 2025 DN, IS, ID IN DN & EG, INTO DN PGM, INAUD @2030 (FODGE)

17715 NORWAY RNI: *1400 NO, EG, NX, SPORTS, POP MX (THUNBERG 9/7, ZILMER) 1657 EG,
IS W/ID'S IN NO AND EG, INTO EURO LANG PGM W/ W ANNCR, -EXC (VALKO 8/9)

17720 ROMANIA RB: 1300 EG, FREQ SKED, NX, CMTRY, S10 322 (ZILMER 9/4)

17745 ALGERIA RTVA: 2000 EG, NX TO 2015, POP MX PGM TO 2029, THEN SP (PURDUM, LARE)

17755 BULGARIA RS: 2030 EG, AFR Svc, ID, CMTRY ON KOREAN PLANE, AFR NX (PASZKIEWICZ)

17755 JAPAN RJ: 0100, 0300-0330 EG, CURRENT AFFAIRS PGM, NX (MAYER, STANLEY)

17765 WEST GERMANY DW: 1245 EG, NX BY M (WEINHOLD 9/6)

17770 DENMARK RD: 1952-1953*, CAUGHT END OF EG S/OFF W/ ID, NA, VG (MAYER 8/16)

17775 UAE DUBAI: 0330 EG, NX, WX, PGM ON THE KORAN, OFF @0355, G (STANLEY, MCLEMORE)

17795 AUSTRALIA RA: 0400-0426 EG, NX, REPORT FROM ASIA (SHARPE 8/28)

17795 FRANCE RFI: 1623-1655 EG, PARIS CALLING AFRICA (FODGE 8/10)

17800 RWANDA DW: *1230 EG, IS, RELAY SITE ID BY M IN FR, INTO AFR Svc NX (PURDUM 9/5)
(STEPHANY)

17800 FINLAND RF: 1315, 1412 EG, PGM ON OLYMPIC-TYPE COMP IN HELSINKI (WITZIG, ALCORN)

17800 TAIWAN VOF: 0300 EG, IS, ID, CMTRY, CULTURE PGM, //15345, 11825, QRM DE
AUSRL 17795, WYFR 17805, F (STANLEY 8/18)

17820 CANADA RCI: *2229-2258* EG, NX, SWL DIGEST (BOB GROVE, GLENN HAUSER) (KRIST 8/26)

7825 BULGARIA RS: 2109-2115 EG, EZ MX, TRAVEL FEATURE (PURDUM)

17825 JAPAN RJ: *2345, 0139, 0153-0220+ EG, CURRENT AFFAIRS PGM, DISC OF KAL FLIGHT,
FAIR-GOOD (JORDAN 9/4, MCLEMORE, KRIST)

17830 SWITZERLAND SR1: 1530-1600 EG, "BLUEPRINT" PGM, //21570, 15125, INTO FR @1600, G
(MAYER 9/4, STANLEY)

17840SSB SWEDEN RSI: 0230 EG, "WEEKDAY" PGM, NX, GOOD (STANLEY 8/17)

17840 PAKISTAN RP: 0230 EG, NORMAL THEN SLOW-SPEED NX, ID 0245, OFF (STANLEY 8/19)

17855 CHINA RB: 0000-0122 EG, "CHINA IN CONSTRUCTION" PGM, //15120, LETTERBOX SHOW
(MCLEMORE, STANLEY, GAFFIN, KRIST)

17870 LIBERIA VOA: 1700, 2115-2120 EG, NX OF AFR (PURDUM, MARTIN)

17875 CANADA RCI: 2215 EG, "AS IT HAPPENS" PGM (KRIST 8/30)

17900 USSR R KIEV: *2330-2358* EG, "CLOSE UP ON THE UKRAINE" PGM (KRIST 8/9) *0230-0258* ARM/EG, R YEREVAN W/ EG AT 0252 (MCLEMORE, JORDAN)
 17910 QATAR CBS: 1640-2129* AR, KORAN, ID, MARCH AT S/OFF (REED 8/28, PURDUM, VALKO)
 17930 LIBYA RJ: 0045-0102* AR, NX PGM, MNT "ARABYA" NO FANFARE AT S/OFF (LAUSEVICH)
 17930T CLANDESTINE V OF GREAT HOMELAND OF THE PEOPLE'S REV: 1915-2135 AR, TLK AND AR MX, OFF AIR AT TIMES, BELIEVE 2 ID'S 2000 BUT FULL CONTEXT UNCERTAIN, MNT OF MIZ, AMERICA, IRAQ, LEBANON DURING TLKS, G (VALKO 8/9)
 17940 CLANDESTINE V OF SUDANESE POPULAR REV: 1630-1705 AR, VOC MX, SUDDEN WEAK AUDIO THEN CORRECTED (8/9), TLK W/ MNT LIBYA, ISLAM, ID AMIDST INSTR MX 1703 (BERRYMAN 8/18, VALKO)
 20000 USA WWV: 2300 EG, TIME PIPS, ANNCHT BY M (GAFFIN 8/10)
 21465 USSR RM: VIA LENINGRAD (PER UHR!), 1725-1800* EG, AFR SVC, "AFR MAILBAG", P-F (PLUM)
 21475 FINLAND RF: 0956-1000 EG, FI ID, INTO MARCH MX, G (BERRYMAN 8/16)
 21480 MADAGASCAR R NEDERLAND: *1429-1515 EG, NA, NX, "SHORTWAVE FEEDBACK", G (ENKENHUIS)
 21505 CZECHOSLOVAKIA RP: 1430 EG, NX, CMTRY, USSR GRM, SIO 222 (ZILMER 9/4)
 21525 AUSTRALIA RA: 0555 EG, NX, F://21650, 21680 POOR-UNREAD (BERRYMAN 8/1)
 21525 USA WYFR: 1620-1630 RS, "FINLANDIA" THEME, TLK, F-G (BOBBE 8/11)
 21545 USA WYFR: 2251 EG, FOR CANADA, EUROPE, AFRICA (GAFFIN 8/29)
 21570 SWITZERLAND SRI: 1315-1345 EG, "SW MERRY GO ROUND" (FRASER 8/18, MCLEMORE)
 21570 USA AFRIS: 2243-0029 EG, MUTUAL NX, BASEBALL GAME (GAFFIN, KRIST)
 21615 USA WYFR: 1650-1655 RS, ID, INTO SLOW EG 1653, G (MAYER 8/13)
 21615 SWEDEN RSI: 1400 EG, NX, "DATELINE", TO N AM, REPLACING 17860 (ZILMER 9/5)
 21655 UAE DUBAI: 1615-1645 EG, EXTERNAL SVC ID, NX, SPORTS, WX, TO AR 1645 (MAYER, VALKO)
 21660 UK BBC: 0900-0909 EG, NX, VERY POOR (GAFFIN 8/11)
 21685 NETH ANTILL RN: 1730-1800 AR, MX, TLK BY M, ID (REED 8/28)
 21685 NETH ANTILLES RN: 1850 FR, ROCK MX (JONES 8/6)
 21720 PORTUGAL RFE: 1825 CZEC, POLITICAL CMTRY (JONES 8/6)
 21740 AUSTRALIA RA: 0000-0100 EG, NX, FILM REVIEW (STANLEY, KRIST)
 26040 USA VOA: 1600-1630 EG, AFR SVC, NX, ID, CMTRY, POOR (MAYER 8/11)

.....
 WELL, THUS ENDETH ANOTHER COLUMN. NOT TOO BAD A TURN-OUT THIS MONTH. THIS MONTH MARKS THE "START OF MY 5TH YEAR AS LOG EDITOR IN THE UPPER FREQ'S. ITS BEEN FUN TO DO, BUT I WOULD LIKE TO GIVE SOME RECOGNITION TO THE GUY WHO PUTS THE WHOLE BULLETIN TOGETHER -- BILL OLIVER, WITH OUT HIM, THERE WOULDN'T BE THIS FINE MAGAZINE IN YOUR MAILBOX EVERY MONTH! GET OUT AND SUPPORT YOUR SHORTWAVE CLUB----CONTRIBUTE!!!!!!!!!!

73.

BRETT

ANTENNAS/ACCESSORIES

EDITOR: MIKE AGNER 301 N. PROGRESS AVE. APT. G10 HARRISBURG PA. 17109

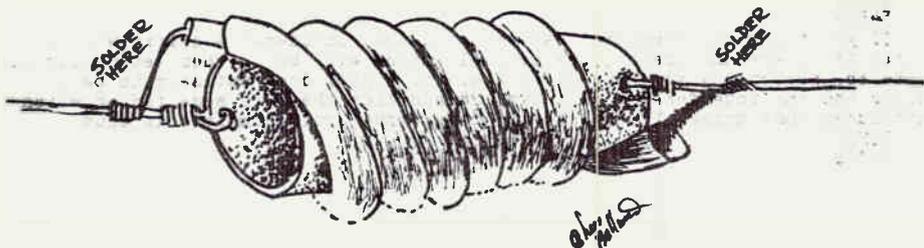
Hi everyone. I just cleaned my typewriter and put in a new ribbon so I should have more readable copy. Now I have a problem with which all 2200+ of you can help- my contribution file is quite empty! Maybe now is a good time to review what this column is supposed to do. Here is the place to come if you would like to showcase your antennas and accessories used directly related to the hobby of DX. Particular interest is on the use of shortened antennas for people that don't have an acre or two to string up Beveridges, unusual accessories that enhance your listening abilities, ect. But just because you have an ordinary setup, don't let that stop you from sending in a contribution. If you do have something unusual it might be very helpful if the manufacturer's QTH is included in whatever description you send in. This column appears on a 1 page space-available basis, so do be brief and concise. Remember- don't think that your setup is ho-hum just an ordinary type- I had one guy who had a stereo amp setup that he used to hear whatever he had in the shack throughout the house. What made this kinda unusual was the power output- 60 watts! Just think, the Soviet woodpecker at 60 watts! Oh well, I think you get the picture. How about some help from you people out there? Maybe send in something like the following:

Don Hosmer, MI.

102 foot random wire
RAK 17 meter folded
antenna
EOC antenna/booster
(see WRTH 83 p.61 for the
QTH of this manu. mja)
Yaesu YH55 headphones
Archer 20210 mono head-
phones
Grove MiniTuner 3
Ameco PLF2 preamp
MFJ102.24 hr. clock
Realistic CTR51 cassette
Sony AN60 10 meter long
portable antenna

(Don also says that he has a Sinclair ZX81 that he is getting ready to use on copying RTTY. Now while I really don't want to be a clearing house for data, there was a request a couple of months ago for people that had been using programs in their DXing. So Don, and others who have personal computers, why don't you go through the issues and get in touch with that person? mja)

My buddy Chuck Bolland has forwarded an interesting item that he has drawn up... a coax trap. He says he made it from a piece of PVC about 7 inches long. He says that at one end of the trap, you connect the braid of the coax trap to the antenna, and at the other end of the trap you just connect up the center conductor. Kinds interesting, no?
73s until later.....





SPECIAL *feature*



The following article is published with the permission of Radio Japan. It appeared in a booklet sent out by NHK entitled "HOW TO LISTEN TO RADIO JAPAN" and is probably the best information available on the SINPO code.

HOW TO WRITE A RECEPTION REPORT

Various kinds of code are used for writing reception reports. The most widely used code today is the SINPO code, which stands for the initials of Signal Strength, Interference, Noise, Propagation Disturbance and Overall Rating. Each item is classified into five scales. Best is given as 5, and worst as 1. For example, 5 in Item "S" means the signals received are fairly powerful. 1 in Item "S" means signals are barely audible. Likewise, 5 in Item "I" means no interference, and 1 extreme interference. All these are shown in the table below.

Rating Scale	S Signal Strength	Degrading effect of			O Overall Rating
		I Interference	N Static Noise	P Propagation Disturbance	
5	Excellent	Nil	Nil	Nil	Excellent
4	Good	Slight	Slight	Slight	Good
3	Fair	Moderate	Moderate	Moderate	Fair
2	Poor	Severe	Severe	Severe	Poor
1	Barely Audible	Extreme	Extreme	Extreme	Unusable

In entering a reception report using the SINPO Code, you are asked to begin with Item "O", which indicates how clearly the broadcast you are listening to is audible. Each of the five scales in this item can be given as follows:

5. Excellent. Comparable to the reception of local broadcasts.
4. Good. Speech intelligible, perfectly and easily.
3. Fair. With some effort speech is intelligible.
2. Poor. With considerable effort speech is intelligible.
1. Unusable. Barely audible.
- X. Entirely inaudible.

Here are some examples of entry:

If you think reception conditions were perfect, then you write in 5 outright in each of the S, I, N, and P columns as in the "O" column:

SINPO
55555

If you think they were good, you write 4 in the "O" column, and think over the reason why you could not give the best marks. Although you have no measure, you may think the signal is strong enough and there is no static or fading, but you cannot give full marks as there is a slight interference from another station between speech. In that case the form should be filled in thusly:

SINPO
54554

If you think the reception was not good and considerable effort was required to understand speech, the overall rating will be 2. Then let us investigate the reason why you have given a 2. The signal does not seem to be so strong and the interference is heavy; in addition there is some fading which introduces some noise. If this is the case, you should complete it thus:

SINPO
32332

HAP DIRECT SALE ITEMS: The following stickers/decals are \$.25 each or any five(5) for \$1.00: New since last issue: WBCN, BBC Radio Medway, Radio Tees, Radio Leeds, F-105, WBIW, WKKB (large) (small). We also have the following in stock at the same prices: Radio Bucharest, Radio Milano International, Radio Canada International, KWK, Swiss Radio International, Radio France International (large) (circular) (blue) (red), Radio Vatican (square) (semi-circular) (small), WLBV, WMAL, KMJK, WRIF, Radio Sweden International (small) (large) (circular), Radio Suede International WCBW, KCFM, ANARC (small), CKGE, CFTI, Radio Moscow (red) (green), WJNC, WXOR, Radio Berlin International (large) (small), Radio Derby, RNE (circular) (soccer), WDR Radio (small) (rock), WQMR, Radio 270 Break Radio, KRQR, KPQG, 55-Country, KLRZ, WMET, WABE, KBAM, Rete Quattro, Polskie Radio (green) (blue) (gray) (orange), Radio Budapest, Swansea Sound, BDXC, KTYD, RIAS, 6WF, Radio DeeJay, ORF, 6KY, 42A, 12B, WCCI, Metro Radio, WGLB, KBDF, KVET, KBOI, KKFY, KPNW, KOME, WQMF, KDKD, WCFL, KTOX, WEZX, WQFM, WLRS, WEEI, WZZO, KROY, WLUP, WWSW, WLPX, KLOS, KWIP, KCB, KYTX, KLOL, WINS, WDET, WPLJ (Stones) (Doors) (Who) (Rock/Roll) (AC/DC), WLLZ, WWCW and ESPN.

HAP BID ITEMS: ITEM #810: BBC Radio Leeds (UK) sticker (3.5x5")/m/c. #811: Devon County Radio (UK) sticker (3x4.5")/m/c. #812: BBC Radio Oxford (UK) decal (3.5x8")/m/c. #813: TWR sticker (3x5")/m/c. #814: Swansea Sound (Wales) sticker (4"cir.)/m/c-beautiful! #815: BRMB Radio (UK) sticker (4.5"cir.) red, white, blue. #816: Radio Cymru (Wales) decal in English/Welsh (5x7")/m/c-nice! #817: BBC Radio Northampton (UK) sticker (4x5")/m/c. #818: Radio Lancashire (UK) decal (2.5x11") red, B&W. #819: BBC Radio Devon (UK) decal (3x9")/m/c. #820: Radio Lancashire pen, red, B&W. #821: WPIX station pen, B&W. #822: RTE Radio 2 (Ireland) pencil, red, black. #823: BBC Radio Medway (UK) pen, black, yellow, blue. #824: BBC Radio Medway pen, blue, silver. #825: Radio Clyde (Scotland) pen, red, white. #826: Devon County Radio pen, blue, red, black. #827: H-TV (UK) decal (1.5x13")/m/c. #828: Radio Lancashire key chained, B&W-beautiful! #829: BBC Radio Merseyside (UK) decal (4x5") red, white, blue. #830: Radio Atlantida (Peru) key chain, m/c-very nice! #831: RBI (DDR) large plastic badge (2"x2")/m/c. #832: Goteborg Radio (Sweden) sticker (4.5"cir) gold, B&W. #833: BBC Radio Bristol (UK) cloth arm patch, red, white (2.5"cir). #834: VOA 6"plastic ruler "40th Anniversary". #835: Red Rose Radio (UK) decal (5x5")/m/c. #836: BBC Radio Cleveland (UK) decal (4.5"cir)/m/c. #837: BBC Radio Orkney (Orkney Islands) sticker (3.5"cir) red, white. #838: BBC Radio Shetland (Shetland Islands) sticker (3.5"cir) green, white. #839: Manx Radio (Isle of Man) QSL card (4x6.5") B&W. #840: RICI (Canada) 2 different QSL cards (4x6"). #841: WHDH paper folders (9.5x12")/m/c. #842: WZZO metal license plate (6x12")/m/c. #843: Radio Japan 3 different QSL cards (4x6")/m/c. #844: WKBR "Rainbow" decal (4x9")/m/c. #845: Radio Time (Italy) sticker (2x6.5") red, white. #846: Radio Atlantida sticker (3x3")/m/c-nice! #847: BBC Radio Bristol decal (5"cir) red, white. #848: Radio Forth (Scotland) key chain, orange, B&W. #849: Radio Tees (UK) decal (3x11")/m/c. #850: Radio Gemini (UK) sticker (3.5"cir) orange, blue, white. #851: BBC Radio Wales (Wales) decal in Welsh (2.5x12")/m/c-very nice! #852: Cleveland Area Cable TV (USA) cloth arm patch (3"cir) blue, white. #853: Polskie Radio station pin. #854: Radio Peking (China) pin, blue, white. #855: Radio Peking pin, red, white, blue. #856: Radio Peking pin, dark blue. #857: Radio Peking pin, gold, blue. #858: WDR Radio "Owl" pin, red, white, gold. #859: Radio Praha (Czechoslovakia) pin, red, gold. #860: Radio Bucharest (Romania) pin, m/c. #861: WDR Radio (FRG) pen, blue, B&W. #862: CBQ metal badge (2"cir) red, white, blue. #863: BBC-World Service metal badge (1.5"cir) red, white, blue. #864: Metro Radio (UK) metal badge (2"cir) red, white, blue. #865: 2CH (Australia) leather key chain, m/c-beautiful! #866: Radio County Sound (UK) metal badge (2"cir)/m/c-new station! #867: Radio Forth metal badge (2"cir) orange, B&W. #868: BBC Radio Humber (UK) sticker (2x11")/m/c. #869: BBC Radio Hallam (UK) decal (2.5x13")/m/c-nice! #870: BBC Radio Hallam sticker (1x12")/orange, B&W. #871: BBC Radio London (UK) sticker (3.5x3.5") red, B&W. #872: BBC Radio Orwell (UK) sticker (2.5x15")/m/c. #873: Radio Forth coaster (3.5x3.5") orange, B&W. #874: Radio Forth station balloon, orange, black. #875: WEZN metal badge (1"cir) purple, white. #876: WBIW/WBIF station pen-nice! #877: ORF (Austria) sticker in Spanish (4x5.5") red, white. #878: VOA sticker (3"cir) red, white, blue. #879: Radio Korea sticker (3.5x5")/m/c-beauty! #880: BBC Radio Nottingham (UK) sticker (3x7")/m/c. #881: WVWI (Virgin Islands) sticker (3x5") blue, white. #882: Radio Tees metal badge (1.5"cir) red, B&W. #883: Radio City-194 (UK) pen, red, B&W. #884: Radio Monte Carlo (Monaco) sticker (2.5x6.5") red, white. #885: 4GG (Australia) sticker (7"cir)/m/c-beautiful! #886: Deutschlandfunk (FRG) vinyl pennant (5x7.5")/m/c-beauty! #887: EBC (Philippines) paper pennant (4x9")/m/c-beauty! #888: HCBJ (Ecuador) paper pennant (4x9") yellow, black. #889: Radio Peking "Mt. Village" paper pennant (5.5x10.5")/m/c. #890: Radio Peking "ChingKang Mts." paper pennant (5.5x10.5")/m/c. #891: Radio Milano International (Italy) prismatic sticker (3x8")/m/c-beauty! #892: RNE (Spain) cloth pennant (4.5x8")/m/c. #893: Radio Sweden cloth pennant (4x10") blue, yellow. #894: Radio Sweden paper pennant (4x10") blue, yellow. #895: Radio Veritas (Philippines) cloth pennant (4x7.5") yellow, B&W. #896: Radio Veritas cloth pennant (3x5.5") blue, white. #897: Radio Nacional do Brasil sticker (3.5"cir)/m/c-very nice! #898: Radio Vatican "1st Day Cover with stamp for their 50th Anniversary. #899: Radio Peking "Panda" cloth pennant (6x11") green, B&W. #900: Radio Ulan Bator (Mongolia) paper pennant (4x6") red, blue, gold... Hope there is something for you!!!

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

ADDITIONAL DIRECT SALE ITEMS: The following items are now available at the quoted prices: The following stickers are \$.50 each: Voice of Turkey, Radio Peking (blue) (black) (green), Radio DJ-TV, Radio Nederland, Radio El Mundo, KTTS, KGBX, BRT, 4MK, Radio RSA, ANARC (large), Radio Vatican sticker-pennant, Voice of Free China paper pennant. We also have at the same prices stickers from 4XO, WDR(TV), 7EX, RTE Radio 2, Radio Rumbou, CKCR, Radio London-266, 2CF, Radio Avon, 2YE, Radio Deutsche Welle, Peter Flowers Radio, Radio Rhema, Capital Radio, GDXC, TTR Radio Radio Waikato, Canales TV, Radio City-299, Radio Caroline (black) (white).

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