

F R E N D S

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RADIO FREE AMERICA'S DR. CARL McINTIRE, RIGHT.

CLANDESTINE BULLETIN



Larry Magne, Editor, P.O. Box 2133, Middle-City Station, Philadelphia PA 19103, Tel. 215-KIS-7699



Clandestine Bulletin editor
at Christian Admiral

"RADIO FREE AMERICA", AIRED FOR ONE DAY ON 1160 KHZ. TO BE REACTIVATED ON SHORTWAVE

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When Dr. Carl McIntire -- religious fundamentalist, political conservative, and fiery orator -- was driven off the air by the FCC in the now-famous Supreme Court action concerning WKUR-AM/FM in Media, Pennsylvania, he proclaimed he was not about to be silenced for the first time in his 67 years and would very soon be broadcasting from a ship in international waters 8 1/2 miles off the New Jersey coast. On September 19, 1973, at 1622:47 GMT (12:22:47 PM Eastern Time), the station, "Radio Free America", aired a brief hymn, followed by its first interval signal -- an NSA-style bird chirping -- on 1160 kHz. At 1624 GMT Dr. McIntire opened programming by proclaiming, "Radio Free America, out in the North Atlantic, goes on the air."

America's Second Offshore Station

Contrary to press reports, RFA is not the first station of its type to take to the air off the U.S. coast, although it is the first with U.S. registry. In 1933, an offshore gambling-speakeasy ship, the "City of Panama", operated a 5 kw pirate transmitter for commercial purposes on 815 kHz with the call sign BXER, the "Voice of Panama". It shuttled between Santa Monica, California, and the high seas for weeks before its loss of registry in Panama forced it off the air for good. Even though it operated at times while docked in port, the U.S. Government felt helpless to close it down so long as it had a valid foreign registry.

Ship Obtained on Third Try

In July, 1973, Dr. McIntire's assistants had prepared the final papers for the purchase of a 160-foot merchant ship drydocked in Trinidad, flying the St. Kitts' flag. According to Dr. McIntire, the U.S. State Department pressured the Trinidadian Government to disallow the sale to McIntire's representatives. Yet another deal on a ship fell through elsewhere. Finally, a 1945 wooden-hulled, 136-foot, 300 ton WW II U.S. Navy minesweeper, the "Oceanic", once used for research by Jacques Cousteau, was procured for \$40,000 by a McIntire supporter, Herbert Hansen of Merritt Island, Florida, who turned around and sold it to Dr. McIntire. The ship was berthed at the preacher's docking facility at Cape Canaveral, Florida, where it was fitted out as a clandestine exile broadcasting ship. An old 10 kw RCA transmitter was secretly purchased for \$6,000 right under the noses of the FCC hierarchy and installed in the ship sans antenna, so as not to attract attention among passersby. So equipped, Captain Paul Hamerle guided the "refugee station" -- Dr. McIntire's term to avoid the patch-on-eye image of a "pirate" operation -- off to Cape May to have installed a harmonic-prone VFO, a ground consisting of two thick copper straps along the ship's hull, 4 tape decks (3 useable), a transistorized studio board, and an end-fed inverted-V long-wire antenna. It flew the Christian flag, its U.S. registry notwithstanding. To repel marauders and unfriendly Soviet travelers -- and to attract publicity -- the ship contains a cache of rifles, guns, and ammunition; however, they have no intention of firing on their own countrymen (vandals presumably excluded, DXers hopefully included).

Hopes to Reactivate WKUR

Why did "Radio Free America" come about, and why so soon?

The prime motive force behind RFA appears to be financial. "The 20th Century Reformation Hour", Dr. McIntire's taped program aired by hundreds of stations throughout the country, was being deleted from a number of stations' schedules. According to the station managers, they felt their licenses might be revoked, as WKUR's was, if they continued to air Rev. McIntire's programs. In order to alleviate these



"Radio Free America" flies Christian Flag off Cape May, New Jersey

fears, Dr. McIntire inaugurated RFA as a propaganda weapon in his fight to have Congress reactivate WJUR and to have the "Fairness Doctrine" repealed.

The second *raison d'être* for RFA is Dr. McIntire's belief that the "Fairness Doctrine" violates the free speech and free press guarantees of the United States Constitution. By deliberately violating FCC rules, he guarantees his cause will have another full hearing in the courts.

The reason the station was on the air so quickly -- prematurely, from a technical standpoint -- was to get the collective ear of Congress while it was in session. This seems to have worked, not only with Congress, but with the news media in terms of their outlook concerning the Fairness Doctrine. An unscientific sampling of media representatives and Congressmen suggests there is a decisive majority of un-conservative honchos supporting Dr. McIntire's crusade against the FCC. "I don't believe in his ideas, but he shouldn't have been taken off the air like that," is a typical response.

Why did the FCC have WJUR closed down in the first place? Why would a politically-conservative Administration reserve its strongest punch for a station also on the political right?

Media analysts suggest the Administration, which has had a number of altercations with liberal and other newsmen, wishes to establish a legal precedent in closing down WJUR. In so doing, it would be better able in the future to close down stations with more orthodox ideas, particularly on the political left.

However, faithful followers of the Reverend sometimes opine that the Government so fears Dr. McIntire that it is embarking on a campaign to have him silenced.

Regardless, it hardly seems likely the FCC was prepared for the swift and effective response of the fiery preacher, whose ability to attract and hold widespread attention in the news media has by now become apparent. To see legions of reporters and cameramen eagerly chasing this story, even to the point of reporting on the preacher's success in fishing off the ship ("He'd hooked himself a bucketful!"), would make even Sam Ervin jealous.

Listeners Recommend New Frequencies

On August 30, Dr. McIntire called a press conference at his "Christian Admiral's" hotel, a huge old beachside structure frequented mainly by elderly followers of the Doctor, and indicated the station would soon fire up on an unspecified frequency that would cause no interference to North American stations, as it would not be on a frequency of the North American standard of one channel each 10 kHz from 540-1600 kHz. To the dismay of the budding technical staff, which consisted of volunteers of diverse political and religious persuasions (à la Abie Nathan's "Peace Ship"), the channel chosen was the European one of 692 kHz, 2 kHz away from the old WJUR slot and, among others, CBF in Montreal, with which it would inevitably heterodyne, causing an international audio and diplomatic howl.

In the meantime, the National Radio Club was having its annual *powwow* in Cambridge, Mass., and had decided upon 1160 kHz as the most acceptable channel, as it would be clear in the prime areas of Washington, Philadelphia, and New York City, plus fairly clear east of the Mississippi after WJJD's (Chicago) sign off. WJJD's license requires it to sign off by sunset in Salt Lake City so Utah's KSL, the remaining outlet on that frequency in North America, can be given a clear channel at night. Dr. McIntire was informed of this choice and an alternate frequency of 1613 kHz, which hopefully would cause no interference to outlets on 1600 kHz and might also be audible throughout most of New York City and other localities where there are local outlets on 1600 kHz. Aside from WJJD and KSL, the only other possible interference on 1160 kHz would be Radiolandia in Santiago, D.R., and an unidentified Latin on 1159 kHz. Dr. McIntire accepted 1160 kHz as the frequency of choice, with 1613 kHz as an alternate, simultaneously dropping the idea of using a VFO in favor of using a fixed-frequency fundamental crystal, which would



Dr. McIntire inaugurates RFA

eliminate the possibility of heterodyning WJJD or KSL. The 1160 kHz crystal was picked up from a regional outlet and one of the transmitter's two oscillators was adjusted to bring the frequency to better than 1160.002 kHz, well within FCC specs, despite the absence of a crystal oven. The end-fed V antenna was completed and, along with the transmitter circuits, peaked to the frequency. These required firing up the transmitter for brief periods, namely around 0330 GMT September 13 and 0500-0508 & 0530-0830 GMT September 16, the last transmission being an open carrier interspersed with gospel music.



"Studio" engineer tapes inaugural broadcast, using Bogen mixer and tapes Wollensak recorder. NASWA cassette is at left.

station, running a mere 5 kw on the same channel, was stronger in parts of Massachusetts. So, given that and renewed arcing of the feed line, the transmitter was prematurely shut down at 0214 GMT. The engineers went into a huddle.

Jersey Broadcaster Claims Interference, Injunction Issued

Meanwhile, the operators of WHLW, 1170 kHz in Lakewood, New Jersey, 87 miles from Cape May, called up Dr. McIntire's wife and cabled the FCC to complain of alleged interference with their signal. When Dr. McIntire returned home, he immediately called WHLW and promised to move to another channel. The New York Times reporter Donald Janson quoted Dr. McIntire as saying, "There is no dearth of wavelengths, and we do not want to interfere with any other station." Unfortunately, analysis of the frequency spectrum did not confirm this and the technical staff went to work to find an available channel where none appeared to exist.

Knowledgeable radio sources felt the complaint was unjustified not only because it contradicted their findings, but also because an informed source had indicated WHLW decided two weeks before the station went on the air to file the complaint, regardless of whether such interference existed.

Two days later U.S. District Court Judge Mitchell H. Cohen issued a temporary restraining order against RFA, scheduling a hearing for October 1 to determine if the order should be made permanent. Interalia, the order accused RFA of interfering with not only WHLW, but also KSL in Utah. This accusation was greeted with some amusement in radio DX circles.

RFA Prepares for Stronger Signal on SWBC Fringe Channel

RFA will remain off the air until the hearing is concluded sometime on October 1, which is also the 90th anniversary of the Reverend's pastorate at the Collingswood "Bible Presbyterian Church". However, it is also possible the transmitter won't be ready to go on the air until the next day. One friend of Dr. McIntire even suggested he may wait until October 5, the third-month anniversary of the closing down of WKUR, to reinaugurate "Radio Free America". In any case, it will very shortly be on the air, using the new crystal-controlled frequency of 1608 kHz (varies ± 60 Hz), which is a "shortwave" channel by NASWA convention. It will be above the AM broadcast band edge using an internationally-recognized increment over the nearest channel, i.e. 1600 kHz. The European increment in the upper portion of the band is 8 kHz, while the U.S. increment is 10 kHz. However, airing products are common on 1610 kHz and an NRC test indicates only roughly 60% of ordinary radios receive that high up, whereas possibly up to 80% or so receive 1608 kHz. Additionally, a recently-installed audio compressor & limiter will be used to clip the bandwidth to about 8 kHz at 6 db. down (4 kHz per sideband) and thus minimize interference with nearby stations.

Although 1608 kHz is difficult to receive in New York City and Boston, it will likely be well heard at night in most rural and semi-rural parts of the eastern half of the continent, where Dr. McIntire's message would likely find more widespread acceptance. Not only is this frequency free from significant interference, but also the efficiency of the antenna system would be greater at that shorter wavelength than it was at 1160 kHz, thus increasing RFA's effective radiated power. RFA will be a nice DX catch on the West Coast and possibly, with the proper equipment, in Europe after Bayerischer Rundfunk signs off at 2310/2400 GMT on 1602 kHz (370 kw).

The antenna shortcomings were examined and a center-fed inverted-V has been installed in place of the long wire. It allows the transmitter to operate at a full 11 kw without arcing, which helps signal strength considerably. One Midwesterner bootleg radio aficionado wistfully recalled how an earlier bootleg operation with low power had used, with considerable success, a half-wave wire vertical antenna held erect by a gas-filled balloon, and suggested that with the outstanding salt-water ground out at sea such an arrangement would probably throw RFA's signal out clearly all over the country. "You could even install neon crosses, lit by the RF energy, on the balloon to warn airplane traffic and get across a visual message, as well," he mused. A more likely possibility is that RFA will eventually go to a short vertical antenna, although this would take time to set up.

Inaugural Broadcast Poorly Heard

When the station fired up Wednesday afternoon, the signal was spotty, but poor overall, due directly and indirectly to antenna problems, although harmonic suppression was excellent. Reception along the northeastern coastline tended to be good, and reception to the south was not bad, especially in Washington. No jamming occurred, but the signal inland suffered from weakness and selective fading, although good reports were common around sunset. By 0100 GMT, however, the signal had weakened considerably and WJJD tended to predominate in most areas. Even the Dominican

could get on the air as soon as possible.

The choice of 1608 kHz brings with it a whole set of impediments. The European pirate ship, Radio Nordsee International, had its "out-of-band" shortwave transmitter on 6210 kHz jammed by the Norwegian coast station, Rogaland Radio, which broadcast the continuous announcement, "This is a transmission from the Norwegian coast station Rogaland Radio. The transmitter is operating in SSB mode, upper side band, with a carrier frequency of 6210.4 kHz. The purpose of this transmission is to clear the channel of unauthorized and out-of-band broadcasting and to improve reception conditions for ships wishing to communicate with coast stations on this frequency." Rogaland Radio felt so confident of its legal position that it verified its jamming transmissions with a QSL card, the only time this has ever been done. On the other hand, the "in-band" RFI medium-wave transmitter on 1578, 1385 and 1232 kHz was continuously jammed for some time by the British GPO, which runs the august "British Broadcasting Corporation".

In the case of RFA, the FCC has indicated it would not jam the transmissions. However, if they change their stance they could do so with impunity on 1608 kHz, especially if an upper sideband jammer were used, thus avoiding sideband splashing 1600 kHz outlets. Thus, if jamming commences, look for RFA to revert to 1160 kHz, for which one of its two oscillators is already tuned. Jamming on 1160 kHz would raise havoc in broadcast industry circles and is thus highly unlikely.

As for the degree of illegality in transmitting above 1600 kHz, there are three mitigating factors. First, the FCC now is allowing groups like the Boy Scouts to broadcast on a one-shot basis above 1600 kHz for such things as jamborees, provided they broadcast in daylight on low power. Second, there has been talk in FCC circles of extending the upper limit of the medium-wave broadcast band to 1620 kHz, thus providing two additional channels for broadcast use. Third, the 8 kHz increment above 1600 kHz, the nearest broadcast channel, is in conformity with the European standard of 8 kHz separations in the upper end of the band.

Dr. McIntire earlier approved obtaining a 1 kw shortwave transmitter to relay RFA on 41 and 25 meters, but this idea has been temporarily shelved. If the earlier technical shortcomings can be ironed out, it may no longer be necessary to implement a shortwave relay in order to reach the Midwest. Nevertheless, a 1 kw shortwave transmitter and receiver may be purchased for two-way communication with ham the way Abie Nathan does from the shortwave gear on board his "Peace Ship". The RFA transmitter would likely relay the 1608 kHz broadcasts when it was not in use for two-way communication.

The Doctor has also toyed around with the idea of using a laser beam to communicate from ship-to-shore without being subject to FCC regulation. Supposedly, this can be accomplished, at least when the ship is anchored 3 or 4 miles out, but would be tricky and expensive.

RFA Verifies Reception Reports

As of the beginning of September there was neither a verification policy nor any idea that such things as QSL's would be necessary. However, after some study of pirate and clandestine QSL's -- especially that of "Radio Nordsee International" -- Dr. McIntire requested a card be designed and printed and that a verification procedure be drawn up. This currently is in process and the chances are at least even that it will be implemented by early October. In the meantime, special arrangements were approved and a dozen first-day letter QSL's were given out under Dr. McIntire's signature. As things now stand, these and one other verification may be the only ones that will ever be given out for 1160 kHz, although possibly some of those that were addressed to the attention of John Jones, Engineer, or Dr. McIntire, Director, may yet be verified. If yours was one of these and you receive no verification by mid-October, try sending a polite follow-up letter to the address below.

The QSL card that has been designed features a picture of the ship -- now referred to as the "Columbus" -- with "RADIO FREE AMERICA" and possibly "Free Voice of the American People" printed on the front. The reverse side may have the following verification statement, "This confirms your reception of Radio Free America on _____ kHz on _____ at _____ GMT, or _____ ET. Aerial power _____ kw. Our transmission site is in international waters off the northeastern United States. Thanks for your report. Date _____, for RFA." Tentatively, it has been decided that reception reports will be verified at the following address:

Dr. Carl McIntire, Director
Radio Free America
c/o Mrs. Irene O'Dell
Beach & Pittsburgh Avenue
Cape May NJ 08204 USA

Taped reception reports -- full-track reels or half-track cassettes only -- are welcomed. Telephoned reports are probably best avoided, but will nonetheless be accepted at 609-884-5471, where Mrs. O'Dell can sometimes be reached. "Radio Free America" bumper stickers and printed religious material are available free upon request, with or without reception reports.

Future of RFA Undetermined

By the time you read this "Radio Free America" should once again be on the air, this time 24 hours a day with a far more powerful signal than before. There is also a chance it will eventually revert to the old channel of 1160 kHz, either 24 hours a day or from roughly 2230-1200 GMT. Its regular identification



RFA's inaugural broadcast audience being photographed by ABC News



Dr. McIntire with WINB's John Norris, Jr. (left). Shortwave station WINB is affiliated with Rev. McIntire.

will be the following statement by a man, "Broadcasting the Word of God and our freedom of speech, this is Radio Free America, from international waters along the coastline of Cape May, New Jersey." As of the moment, it appears as though the sign-on hymn will vary from day-to-day in accordance with the philosophical message the Reverend wishes to impart at any given time. Probably the same holds true for sign-off. The continuation of the bird-chirping interval signal just before sign-on is similarly in doubt.

Although program and program times are not yet settled, Dr. McIntire has indicated RFA will accept advertising at an unspecified rate and possibly even sell air time to anti-communist governments to relay their foreign radio services or official news services; the most likely candidate for the latter service is Taiwan, with its "Voice of Free China/Broadcasting Corporation of China" radio and the semi-official "China News Agency". Dr. McIntire's syndicated program, the half-hour "20th Century Reformation Hour", will probably be aired as follows (times Eastern local time):

Program "A": 7:30, repeated 23:00 & 4:30 (that's 4:30 AM)

Program "B": 12:30, repeated 1:00 (again, that's 1:00 AM)

These hours may be altered slightly to take advantage of RFA's powerful signal during the morning and evening rush hours. The only other program hint is that the Reverend is fond of making live -- as opposed to canned -- broadcasts; thus it would not be surprising if he were out at the ship from around 7:00 to 13:30 most days handling most of the program effort. On the other hand, it may prove impractical to shuttle between his home in Collingswood and the ship off Cape May daily and the programming may have to be largely taped.

Of course, there is the off chance the station will remain off the air permanently in order to conform to a court order. Even now the ship is docked at Cape May and the crew preparing for the October 1 court hearing.

There is a bill before Congress authorizing WKUR to go back on the air (see letter, below). If it passes, "Radio Free America" will probably be moved to Bahamian territorial waters, there to transmit anti-communist programming to Cuba. However, the original owner of WKUR, Mr. Blythe Butcher of Media, PA., plans to ask the FCC to grant him the right to begin broadcasting on the silent WKUR-FM channel of 100.3 MHz. If this were approved before the bill in Congress were passed, there might be further complications in getting WKUR reactivated under the aegis of Carl McIntire's Faith Theological Seminary. The AM channel of 690 kHz is for daytime use only, which makes the FM channel a near-necessity. Nevertheless, Dr. McIntire's lawyer feels the FCC cannot legally reassign the WKUR-FM channel.

Congress of the United States

House of Representatives

Washington, D.C. 20515

September 10, 1973

RE: H.R. 10076, for the relief of radio stations WKUR & WKUR-FM

Dear Colleagues:

Last Wednesday I introduced the above-captioned legislation for "the relief of Seaside-Main Line Radio, Inc., WKUR and WKUR-FM, Media, Pennsylvania".

This bill simply directs the Federal Communication Commission, notwithstanding any other provision of law, to renew the station licenses for the operation of WKUR and WKUR-FM, radio stations owned and operated by the Seaside-Main Line Radio, Inc., whose stock is owned by Faith Theological Seminary, Elkins Park, Pennsylvania.

At issue is the fundamental question as to whether or not an agency of the Executive Branch, staffed by unelected bureaucrats, can arbitrarily deprive a United States citizen of the rights granted to him by the Constitution and protected by the First Amendment in the Bill of Rights.

This was what occurred in the case of these radio stations, now labeled Dr. Carl McIntire's case, since he is president of Faith Theological Seminary. The FCC ruling to revoke the license was appealed to the Circuit Court of Appeals of the District of Columbia. The ruling was upheld by a divided court with a dissent by Chief Judge Bazelon. An appeal was taken to the Supreme Court, which refused a hearing. It is interesting to note that Justice William O. Douglas, the great libertarian, dissented arguing that the fundamental rights of the people -- as protected by the First Amendment -- were involved in this case.

In this instance, I support the position taken by Mr. Justice Douglas. My bill simply gives Dr. Carl McIntire the opportunity to present his case before the elected representatives of the people, representatives who are charged by their oath with upholding and defending the Constitution of the United States.

If the action of the FCC in this case and the subsequent Federal court rulings are allowed to stand, they will be used in the future as a precedent for decisions by the FCC and the courts against other broadcasters. Thus, I believe that the McIntire case threatens the entire broadcasting industry and free press and the free exercise of religion. If this decision is allowed to stand, we can reasonably ask: which stations or which individual will be next to fall to the dictates of unelected bureaucrats? The United States must have an unencumbered broadcast industry free to express the beliefs of the people just as much as it demands a free press. Fear caused by the decision is already intimidating other stations in their program selections.

Involved is more than one man or one radio station. Every American is involved. These restrictions threaten the very heart of our constitutional system and the individual citizen's historic right to be informed. This is what the First Amendment is all about.

If you believe as I do that the issues involved in this case touch all Americans and our constitutionally secured liberties, I urge you to introduce similar legislation. In this way, we will assure our constituents that we as elected officials shall protect their Constitutional rights from nullification by arbitrary decisions of unelected bureaucrats and that the Congress of the United States will perform its function in directing and deciding issues that affect all our citizens.

For your ready reference, I am attaching a copy of my bill introduced in behalf of free speech and free press.

With kindest regards,

John R. Barick

John R. Barick
Member of Congress

JRB:jn

Cover letter for H.R. 10076 from its sponsor, Congressman John Barick (D-La.) -- a longtime supporter of Dr. McIntire -- to Members of Congress. Bill aims to reactivate WKUR.



Network television technician checks light reading.

Shortwave Center



EDITOR
Alvin V. Sizer
22 Country Way,
North Haven, Ct. 06473
Deadline 15th of Month

My DX Trip To Guatemala

By ERNST G. LOHE
A NASWA Exclusive



Driving from Guatemala City toward the western provinces along the Pan American Highway takes you to one of the world's most scenic spots. It is Indian Country, heavily populated and as picturesque as a handwoven blanket purchased by the tourist at the market in Chichicastenango. At the market, bargaining is part of the game and once you've tried it you'll like it.

From Chichicastenango it is a two hour drive on the Pan American Highway to Nahualá, a small town located off the main road. You meet people everywhere and they are extremely helpful in pointing you in the right direction. And it is wise to ask as often as possible.

"La Voz de Nahualá" is a station operated by the Ursuline congregation from the state of Washington. It is the center of radio education for all Indians speaking "Quiché".

Also, it is at present the only station that might be heard with a musical program throughout the states each night. Earlier the station broadcasts lessons in mathematics and everything that is referred to as Alfabetización. Antonio Ixmate Hernández is in charge of the programming in the morning and at night. He is a very shy person as are all Indians. The Indians who comprise almost one half of Guatemala's population are well behaved, quiet and friendly.

Antonio took me up to the transmitter site which is located about one half kilometer away on a hill. The actual transmitter is about the size of a large refrigerator and has a power of one kilowatt.

Antonio was quite happy when he recently received reports from Scandinavia and Australia.

The antenna is a one half wave dipole and one of the towers looks like a tree with the limbs removed. It works, however, as the reports show.

The station operates from 1100 to 1300 hours and from 2230 to 0430 GMT. The latter portion of the nightly broadcast is a musical presentation with Spanish announcements. Reception reports may be addressed to Antonio. All correct reports are verified by a nice QSL card and sometimes by a beautiful pennant. The frequency is 3360 kHz.

Si Signs Off

It is with regret that the editor of SWC says goodbye after this issue. Promotion to a managing editor's post plus appointment to a night teaching post at a college mean we cannot find time for SWC. A special thank you to all whose bylines have graced these pages with a special kudo to Don Jensen whose support in many ways was outstanding....AL SIZER

In the same province of Sololá one finds probably the most magnificent lake in the world. It is called "Lago de Atitlán". The lake is surrounded by three huge mountains of volcanic origin. The water is as fresh and pure as the air.

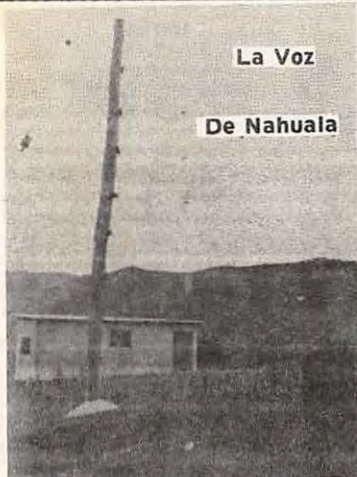
From the village in which we stayed it is only 25 kilometers to the town of Santiago, situated on the opposite side of the lake. The roads are generally good until you hit a dirt one that frequently requires all the nerve you can conjure up. Maps in Latin America don't tell you much about curves and winding highways. A short distance sometimes takes hours, constantly increasing your fears that you might be lost. At last there it was, Santiago.

You can't miss "La Voz de Atitlán" since it has a tower located next to the twin steeples of an old Spanish church. The transmitter stands in the corner of a classroom. And that is what it is all about; a school in connection with a transmitter used to broadcast classes to the Indian population who live along the shores of Lake Atitlán.

When we arrived an American Sister of the Ursuline congregation (they take care of both stations) was teaching in a room located right next to the small studio. We had previously met her in Nahualá.

Since everyone is unable to attend the classes in person, receivers are supplied to the students in other villages. Forty thousand people live in this area and the number of students, every six months, jumped from 162 in

(PLEASE TURN TO NEXT PAGE)



La Voz

De Nahuala

TRANSMITTER SITE OF TGVN
(Photos by Author)

GUATEMALA TRIP... (Continued)
...1968 to 348 in 1969. In 1971 there were six classes teaching mathematics, farming and Spanish.

Juan Ajtzip Alvaredo is not only an announcer but he is also the president of the station. The operating hours each day are from 2400 to 0330 with a power of 500 watts. There is an additional broadcast on Sunday from 1800 to 2200. QSL cards are not available but Juan answers each report with a friendly letter. Besides Spanish the station transmits mostly in "Tzutujil". The frequency is 2390 kHz.

"La Voz de Atitlán" was founded in 1968 at a time when less than 6 per cent of the Indian population knew how to read or write and only about 10 per cent attended school. The people earn their living in agriculture; always busy caring for the land that is often located many miles from the home village. You see no vehicles such as a cart or an automobile since the Mayans never made use of the wheel. Even today it is difficult to introduce such a simple thing as a wagon to the Indians. They are accustomed to carrying extremely heavy loads on their backs.

It was almost evening and too dark to take pictures as we departed via the curving dirt road through the village of San Lucas back to our hotel in the town of Panachachel.

In the east of Guatemala another station of "Escuelas Radiofónicas", the well known "Radio Chortis", operates. Although broadcast times seem to be quite limited, it might be possible for some DXers to pick up the station on 3380 kHz early in the morning. They sign on at 1130 and transmit until 1300, returning for another period from 2130 to 2400. A Belgian mission is in charge of the operation.

"Radio Mara" in Barillas serves the west of Guatemala and as far as I know is maintained by Canadians. I don't know the actual schedule but the station was heard at around 0100 in the 120 meter band, 2360 kHz. I never received it in the 90 meter band. The QSL card, just recently received, claims 3325 kHz as their frequency. (Editor's note: both freqs. logged here)

Other than "Radio Tesulutlán", testing on 4835 and written up here recently, there is another station waiting for a license. It will be called "Radio Mam" and located in Cabricán, Depto. Quetzaltenango. A 1 KW Phillips transmitter will be used for "Mam" broadcasting in the Indian language in the 60 meter band.

(Supplementary information: "La Voz de Guatemala", 6180 kHz, has a new address: 5 Av. 13-18 (Z 1), Guatemala. In Honduras I did not find "LV de Occidente". A reactivated station is "R. Católica Suyapa", address, Av. Paz / Barahona, Tegucigalpa. Frequency is 4935 but, unfortunately, the schedule is only from 2200 to 2400 with an educational programs.



EXTERIOR AND INTERIOR OF TGVN STUDIOS



Radio Citadelle, Haiti



DENIS BASTIEN,
CHIEF ENGINEER, AND
TRANSMITTER AT
RADIO CITADELLE

O.K., all you people out there in the radio audience. How many of you have a verification from any other SW station in Haiti other than 4VEH, the Evangelistic Voice of Haiti? In fact, how many of you honestly were aware that there was any other Haitian outlet active on short wave?

Well, there is another station and actually it has been in existence for 23 years. It is 4VWA, Radio Citadelle, Cap-Haitien, whose nominal frequency is 6155 kHz but which has been recently been logged by U.S. DXers on 6147-48 usually around 1000 GMT. Despite some QRM from R. Atenea, Costa Rica, it puts out a very nice signal ECNA and its classical music is a welcome change from the usual SW diet.

DXers who, rather dubiously, sought a QSL from R. Citadelle ran into a pleasant surprise. Denis Bastien the chief engineer asked for his father's help in answering correspondence and this brought DXers into contact with Jenner Bastien, Rue 15-B, Cap-Haitien, a friendly, learned man, proficient in several languages, who was formerly a professor at College of Notre Dame in Cap-Haitien. In addition to helping to obtain QSLs, Prof. Bastien went out of his way to get the data for this article for FRENDEX. (If you have any old hi-fi, aviation or the better class of U.S. magazines you might show your gratitude by sending them to Prof. Bastien for the use of him and his six children).

Radio Citadelle was founded in 1950 by the well known Haitian merchant, Monsieur Jean Baptiste Dorothee, owner of the Edison Shop. At the start the station was in the 49 meter band four hours a day, from noon to 4 p.m. Haiti time with a staff of only three persons. In August 1962 it went to medium wave for awhile and was heard on 1500 kHz from 7 a.m. to 10 p.m., its staff now enlarged to six. It is still on MW on 1145 kHz but now also broadcasts on nominal 6155 with a staff of 16 from 5 a.m. to 10 p.m. On Sundays and holidays the station is on from 7 a.m. to 2 p.m. and a few hours later from 4 to 10 p.m.

The power of the station is only 500 watts and it uses a dipole antenna with balun, oriented north-south. It employs the French and Creole languages and its target is all the Caribbean area.

The station is commercial but relays the Voice of Ave Maria from the Eveché (diocese) of Cap-Haitien three times a day, from 6:30 to 6:45 a.m., 11:30 a.m. to 12:30 p.m. and late afternoon from 5:15 to 6:15 p.m. There are news broadcasts and "all kinds of music" although the station's music library is "not too rich". (If you have records to spare, they could use instrumental, semi-classical and classical).

The station is located at A-16th St. in Cap-Haitien. It has received many reports from Sweden, U.S.A., Canada, England, New Zealand and the Dominican Republic.



EDDY LEAZARD AT THE CONTROLS

Radio Citadelle is named after the famous citadelle erected near Cap-Haitien by Henri Cristophe who ruled as king in the northern part of the island from 1811 to 1820. The station uses the citadel on its masthead.

On August 15 Radio Citadelle held a celebration of its 23rd anniversary with important dignitaries there to mark the occasion. Prof. Bastien sent us the elaborate program in French.

The celebration actually began August 14 with a special mass in the cathedral and later an evening dance at the "Rumba Club des Melomanes" with, if our limited French does not betray us, a musical group named the "Blue Devils" playing.

(PLEASE TURN TO NEXT PAGE)

Radio Citadelle (CONT.)

The next day there was a pontifical mass in the cathedral, a dance festival, a visit to the studios by Msgr. Albert Francois Cousineau to bless the news announcers, a parade through town escorted by the Armed Forces of Haiti and a championship regional football cup match at the Francois Duvalier stadium with the cup donated by Radio Citadelle and blessed by the Monsignor. The match was broadcast by R. Citadelle and relayed by 4VEH and R. Nouveau Monde, MW. A big banquet with speeches by many important officials, and radio staff members, concluded what must have been a memorable day for all.

Haiti



Some of the station's staff.

DX Tips

By JAN TUNER....ARE VERIFICATION SIGNERS REALLY USEFUL?

I seldom use the names of verification signers in QSL reports for several reasons. If the station is small, the Director is likely to be the only one reading the mail. Nobody else is allowed! Putting his name on the envelope is, therefore, superfluous. It deprives you of the possibility of somebody else's attention.

The name of the v/s should be used only if somebody else than the director/gerente is known to verify reports. This means that 1) somebody else is interested in reports or 2) has been "appointed" by the busy director to handle this. This may be some relative of the director (often his son or daughter!), not too seldom the Director Artistico, if any.

The idea is to keep an eye on the QSL Section continuously to see whether a v/s is a freak or regular. And it should be an up-to-date v/s! The person in question may have left the station in the meantime. Your letter to him will be regarded as a personal letter and returned to the sender!

If uncertain, do not use any name on the envelope, only in the report itself. If the guy has left the station, your report will be opened anyway.

God Bless The Postman

By AL SIZER

The much maligned Postal Service has come in for more than its share of knocks in recent years and undoubtedly some of them have been deserved. On the other hand each DXer if he examines past QSLs may run across cases where the postman has done all right by him.

The author knows of at least two outstanding incidents in his own files where he has a right to exclaim, "God Bless the Postman!" Before describing them, however, it is necessary to point out that at the time I was using a return address of: "Alvin V. Sizer, News Editor, New Haven Register, New Haven, Conn., U.S.A.", trying to keep away from street addresses.

One of my most prized QSL letters is from the Comoro Islands, thanks to the postal service. The envelope bears only this typewritten address: "Monsieur Alvin V. Sizer, News Editor, New Haven Register". No city and no country! Someone at the Moroni Post Office must have decided this was in Great Britain because in red ink in French I can read a handwritten "Grande Bretagne". And so it went to New Haven, Sussex, England where a postman realized it was a newspaper address, looked it up in a journalistic directory and forwarded to "Conn., U.S.A. (Written by hand... New Haven, Sussex postmark stamped also). Score one for the Postal Service.

The second instance is a QSL letter in Indonesian from R.R.I studios at Pekanbaru, Sumatra. The envelope is addressed only: "Tuan Alvin V. Sizer, News Editor, Daily and Sunday, di New Haven." No newspaper name, no country!

Unfortunately, there are no postmarks except Pakambaru or any notations that explain the route this letter took to get to New Haven. Apparently it came direct, thanks to someone along the way who had a little know how.

Score two for the Postal Service. Tnx, Fellows!

Of course, on the other hand, I'll never know how many QSLs these guys did not get to me over the years either! hi.

A PITCH: Ye ed seems to have enough space here to make a pitch for more support for FRENDX and SWC especially. To keep up the high quality it is necessary that some of the more experienced members contribute more than they have. Frankly, the younger DXers are much more cooperative. And to all of you who did not point out left out accent marks, words broken incorrectly at end of lines, miscellaneous other errors--my sincere thanks!

ON TO THE TOP:

By DON JENSEN

How Can I Identify The Rare DX Stations?

EDITOR'S NOTE: This is the fifth in a series of articles exploring serious DXing aimed at the listener with some experience who's ready to move beyond the techniques covered in the usual beginner's manuals. They proceed from some broad, basic questions, such as the one we began to discuss last month: How Can I Identify the Rare DX stations?



If you haven't progressed beyond the "if it isn't in English, I can't ID it" stage, you've got some basic homework ahead of you before you're ready for serious DXing.

Minimally, you should be able to distinguish among the major languages, Spanish, Portuguese, French, German, Arabic, etc. You should be able to recognize the tonal Asian languages, such as Chinese. Foreign languages should no longer all sound alike to you. You need not be a linguist...few experienced DXers are.. but you should be able to pick out words.

If you can't, spend some months on the whole business of learning what languages sound like. There have been articles written on the subject in various journals, hobby publications and books. Seek them out and study. One of the best ways to learn is to study the VOA foreign language broadcasts.

For those of you who are still with us, it should be obvious by now that a very experienced DXer, because of his accumulated knowledge, may well be able to positively identify a station that a less experienced DXer might not be able to ID at all, or, at best, consider a tentative.

But even the best of the "pros" frequently come up short of ID certainty. And, as I suggested last time, under certain conditions, one can send a report on the strength of a tentative ID.

A tentative, you'll recall, is when positive identification isn't possible, but a whole series of factors surrounding the reception strongly lead the DXer to believe he's hearing a certain station.

But a word of warning! Tentatives are tricky and dangerous. Most mis-identified stations that crop up in club bulletins result because the DXer lacks information or experience, is careless, or jumps to hasty conclusions due to wishful thinking.

A DXer, anxious to log a rare one, is easily tempted to conclude, "Well others are hearing it so it must be Station 'X'" Leap to such conclusions at your own peril!

The measure of a top DXer is his reputation, especially among other experienced DXers. A reported rare station almost always prompts a frantic hunt by others. If you were wrong in your ID, it will be discovered quickly enough. Everyone makes mistakes now and again. It is embarrassing but not fatal to a reputation. Your error may not be challenged in print but be sure it will be noted by the more experienced DXers. If you later find you erred, a correction to the editor helps mitigate the mistake. Pretending it didn't happen is a mark against you.

To make a mistake occasionally is human. To be wrong regularly earns you the wrong kind of reputation. Before long you're marked as unreliable which is the worst of all possible curses in DXing. Then no matter what rare loggings you claim, no matter how high you climb on the scoreboard, a tinge of doubt will always be attached to your reports.

Tentative IDs, to return to the subject, are the result of piecing together a number of separate factors that, in composite, convince you of a station's probably identity. The number of bits that "fit" can vary, but the more that do, the surer you can be. Too few "fits" and all you've got is a "possible", or perhaps even an "unidentified". And the experienced DXer has the edge since he's accumulated more know-how and background info to test for "fit".

The factors? Frequency, naturally. Time? Does your reception match the schedule? Propagation? Is reception possible, or likely, at the time you are hearing it? Does your reception match the language and programming known to be used? Can you, for one reason or another, eliminate from consideration other stations known to operate on the frequency at that time?

Other clues? You heard no country reference, but did hear a Spanish commercial for Cerveza Carta Blanca. In which country or countries of Latin America is that brand of beer distributed? Can you identify the national anthem heard at sign off?

What does the music tell you? Can you distinguish between Mexican and Brazilian music? Between that of Peru and the Dominican Republic? What is high life music? Gamelan?

PLEASE TURN TO PAGE FOLLOWING

The 'Unique Wire Tuner'

By NEAL A. PERDUE

There will be a very limited clientele for this antenna tuner due to the rather stiff price tag of \$69 (plus shipping). This unit is definitely for the serious, discerning listener with limited space who wishes to use a single wire to absolute best advantage. The reason for the stiff price is readily apparent upon examination. It is built to take a power input of full legal Amateur Power. This may appear on the surface to be of little interest to the SWL-DXer, but its construction to meet this standard does assure a rugged, reliable, precision piece of equipment.



The U.W.T. is Amateur gear, and due to stricter requirements for SWR and impedance-matching associated with transmitting as opposed to receiving antennas, it is engineered to give a PERFECT resonance and impedance match whereas other lower-priced tuners on the market use arbitrary taps off every few turns of the coil, which could not possibly give a perfect match to every DXer's choice of random-length wire. Where this unit differs is that the induction coil of 36 turns is CONTINUOUSLY followed by the inductor-tuning dial with accuracy and resetability over a turn-counting dial down to 1/100th of a turn (0-36 turns). The variable capacitor is calibrated from 1 to 10.

The functions of this unit are to show the receiver (or transmitter) a 50 ohm impedance and a perfect 1:1 SWR (the condition of maximum transfer of energy from the microvolt or so on the antenna into the receiver). Further, and quite important, it lets you use a single wire cut to resonance for 1/4 wave length of the lowest band worked in conjunction with a ground connection. A 75 foot length of wire strung vertically or semi-vertically to a height of 35 ft. or more will show the receiver a perfect match from 90M up to 10M or so.

I am using a 50 ft. wire which gives me resonance and impedance match down to 60M. The other 50 ft. seen by the receiver is supplied by the ground plane. A horizontal wire will also work but the semi-vertical configuration is chosen here due to its inherent non-directional characteristics. A 75 ft. horizontal wire could become quite directional on the higher frequencies due to the multiple 1/2 wave lengths.

Tuning through 36 turns of the rotary inductor can become a chore but one advantage of this tuner is that where only one combination of settings (some involve many turns of the inductor) would give a perfect match for transmitting, all optimum settings for receiving can be accomplished with less than 15 turns with the appropriate variable capacitor setting.

After extensive testing, I feel strongly that this unit supplies the answer to the most often asked question--What antenna is best for GOOD reception on ALL bands? This tuner is a FB performer. You can do no more with a general purpose, multi-band, single wire antenna than to show your receiver a perfect resonance and impedance match. A few comparison comments are in order in closing: no single wire without a tuner can give excellent performance on all bands from all directions. The trapped vertical and horizontal antennas available commercially are a compromise--you either get optimum reception in the middle of the band with decreased performance toward the band edges or you get a "sloppy trap" which covers the whole band at REDUCED efficiency. Electronically, you can't have the best of both.

This tuner lets you get peak performance at ANY frequency within the SWBC bands. I highly recommend it to anyone who is willing to spend this kind of bread for real performance. Supplier is Unique Products, 1003 S. Firecroft St., West Covina, Calif. 91791.

(P.S. Rough tuning settings (will vary slightly with each installation) are available from me at 4902 S. Bilrae Circle, Millington, TN. 38053 for SASE--for 50 foot wire.)

ON TO THE TOP (Cont.)--- What is a sitar and what does it sound like?

There are dozens of clues, factors that can help you to identify a station. There's no practical way they can be taught, except by experience. But if you're alert to the basic techniques, you can begin to file away in your mind these scraps of information that will help you in identifying stations.

Naturally, none of these clues alone is sufficient to justify even a tentative identification. Enough of them, however, may make a strong enough case for a tentative ID.

But, again, be careful!

NEXT: Getting rare stations verified.

RAMADAN has already begun---Sept. 28 to Oct. 27. It comes earlier and earlier and this year may be your last real chance to zero in some of the Arabic stations that sign off later, especially Djibouti on 4780 kHz.



Letter head design
of Radio San Miguel.

Ruck, director, writes that Radio San Miguel operates nine hours daily, putting 250 watts into a dipole 10 meters high.

"We have been on the air for five years now and in all this time," the director writes, "have lost only a total of two days transmission time. Speaks well for the old modified Gates 250 which we are using. We put 813s into the final instead of the 812s it had before. The 812s were just not standing up well enough. At this moment I am in the process of checking out an old BC 610E which I want to use as a standby so that the Gates can get a well earned rest and reconditioning. As yet I don't know what kind of a job the modulation transformer of the BC610 will do with music. Hope we can squeak by."

Senor Ruck reveals that "I am myself also a 'ham' with the call letters CP8BB and am quite frequently on the 15 and 20 meter bands. I've been using the SWAN 400 which has done a great job here for the past five years."

The director told Barto that he was absent for a month and just beginning to clear off the accumulated mail and "please pardon this long delay in acknow ledging "your FB QSL".

"Naturally," he writes, "it always amazes and pleases us when we hear from 'Pro' listeners such as you. In the last week we were literally swamped with five QSLs. 2 from Sweden, 1 from Maryland, 1 from Finland and 1 from Denmark. If this keeps up we will just have to go ahead and get some banderines (pennants). Unfortunately, Mr. Barto, en este momento we have absolutely nothing on hand that we could send you. You certainly merita banderin."

"Many thanks for your excellent report and felicidades for the great hobby you practice so well." So ended Senor Ruck's informative letter. Riberalta is small Bolivian town in the northern part of the country, about 50 miles from the Brazilian border. The station's motto is "Formar e informar es nuestra meta." (To educate and inform is our objective).

A Valuable Tip On The SPR-4

By JAN TUNER

EDITOR'S NOTE: The following information was taken from an article in a SWEDISH DX bulletin on improving the SPR-4 by the great Swedish DXer Jan Tuner and reproduced here by permission of the author. If, like your editor, you operate a Drake SPR-4 you will find it of great value although there is a possibility that Drake itself in later models may have caught on to this improvement itself. We don't know.

The receiver is sensitive for cross modulation. This may be the cause for the manufacturer's recommendations regarding the tropical bands. Using the setting of the manual you will get no cross modulation. On the other hand, you will hear no DX!

The golden rule is: The lower the preselector setting, the better the gain. On 3.5 mHz, for instance, you have a setting of 2.5. On 3.0 the setting is 7. Tuning the Chinese station on 3400 on both there is a difference of at least one, maybe two QSA units! Same goes for 4.5 mHz.

The solution is simple but not advised in the manual. For 3.0 mHz use the "D" range instead of the recommended "C". You then find the signals at a lower preselector setting (about 1.5) and even stronger than on on the 3.5 mHz comparison! For 4.5 mHz do the same trick, use "E" instead of "D" and a preselector around 2. These two corrections are the only useful ones but they are indeed important.

On other bands you gain little by using higher ranges. On higher ranges such as 9.5 mHz the signals are louder and cross modulation will occur rather often. Then you do the opposite—use lower ranges and consequently higher preselector settings. You then get reduced sensitivity and improved QRK (readability) in some cases!

On Medium Waves you should buy the 1.5 mHz crystal. Since the overlapping of the crystals is generous, you can use it from the vicinity of 1380 kHz. On 1380 the preselector setting is 8 on the "normal" 1.0 mHz x-tal, on the 1.5 x-tal it is 0! Not a great difference, but it helps.

Radio San Miguel

EDITOR'S NOTE: The following Article was written from a QSL letter in English sent to Connecticut DXer Sam Barto.

Radio San Miguel, Riberalta, Bolivia, is a small station operating on 4700 kHz in the 60 meter band. Not many DXers have logged or QSLed it or know much about it until now. However, Michael J.



Arrows point to
Riberalta site.

Up The Lazy River To Puerto Martinez



By DON JENSEN

The River Atrato rises on the slopes of the cordillera and flows northward some 400 miles, draining the jungle region of western Colombia and pouring more than a million gallons a second into the Caribbean.

It is a broad artery that is navigable as far upstream as Quibdó (underlined on map), capital of the remote and neglected Choco Department, over 200 miles from the Atrato's delta.

The Atrato is the only way one can reach the small river landing "pueblito" known as Puerto Martinez. And Puerto Martinez, so tiny it cannot be found on most maps (arrow on map at left points to location) is the location of one of the most interesting of Latin American stations, Ecos de Puerto Martinez.

It apparently came on the air early this year. It was first noted by Glenn Hauser, Texas, in late February on the out-of-band frequency of 5568 kHz.

The station is owned by Oswaldo Martinez Chaverra, the "tecnico propietario", an electronics technician in Quibdó, about 80 miles up river from Puerto Martinez. It operated on virtually the same frequency as a Caribbean aeradio net, including stations in Miami and Havana, causing some mutual interference. Though Sr. Martinez is a bit vague, apparently Ecos de Puerto Martinez operated initially without a government license.

However, recently Sr. Martinez traveled to Bogota and after consultation with the Colombian Ministry of Communication, obtained his station license. The station was assigned the frequency of 4900 kHz where Martinez says the station now operates.

Ecos de Puerto Martinez is non-commercial. Various it uses the slogans, "Emisora al Servicio de las Necesidades del Atrato" and "Emisora al Servicio del Choco y los Intereses de los Pueblos de Rio Atrato." Martinez operates the station as a public service and, it seems, as something of a hobby.

Ecos de Puerto Martinez is also a shoestring operation. The owner laments that funds for the station are short and, while he would like to broadcast indigenous music and other local programs, the station lacks even a tape recorder. Most programs consist of recorded Latin American music, "musica popular variada."

Though you probably won't find Puerto Martinez on your map, it is located on the west bank of the Atrato, in the municipal region of Bojaya, geographic coordinates, 76.48W and 6.25N. Its population? Who knows? But it is a good bet that no other Latin American shortwave station is located in such a small, remote community. And few stations running so little power have been heard in North America. However, some surprisingly good receptions have been made in the U.S. Martinez says the station is a home-brew transmitter running somewhere between 90 and 150 watts, to a "bipole" antenna, 88 feet long and 52 feet high.

Martinez lives in Quibdó, where he has his electronics studio, but he makes periodic visits to the station. The station is operated by three non-professionals who have also received a crash course in broadcasting from Martinez. But the equipment is very simple to operate, he notes.

As of this writing, the station has not been reported as heard on its 4900 channel but earlier a number of receptions were reported during the evening hours, to 0300V signoff, on 5568 kHz. Reports in Spanish are welcomed by Ecos de Puerto Martinez. They should be addressed to Sr. Oswaldo Martinez Chaverra, Ecos de Puerto Martinez, Carrera 5, No.30-54, Quibdó, Choco, Colombia.

BEST DX TIME: What's the best time GMT to DX? Opinions vary but unless you consistently listen just before and after daybreak at your QTH you'll never be a top DXer, we've heard some of the "pros" say.



CHOCO SCENE

Log Report

NASWA LOG REPORT
M.R. LEONHARDT
P.O. BOX 13
LIBERTY, IND. 47353

Section editors:

Elliot Straus
300 Erinley Ave.
Bradley Beach, NJ
07720

Fred Heutte
1600 Newton St. NE
Washington, DC
20018

David Potter
1307 Reynolds St
Key West, Fla.
33040

Jerry Lineback
411 S. Fourth
St. Joseph, Ill.
61873

- 2120h USA Gilmer, Texas KHYM new sta. on air this summer still not properly tuned up & suppressed 2x1060 0059* (Hauser)
- 2200 Nicaragua? mx briefly 8/28 1120 on freq. where YNQ formerly held forth in Texas 2x1100 (Hauser)
- 2220h USA Okla, Tulsa KRMG nx 0102 //740 but gone 0145 check (Hauser) 2x1100
- 2390 UNID either Mex. or Guat. 0045 SS, Cent. Amer. rhythms, too faint for ID (Poor)
- 2446 REUNION ORTF St. Denis 1825 FF pops (Padula)
- 2510 S. KOREA Seoul *1955 chimes, anthem, KK px 2000 8/24 (Padula)
- 2600 USA Miss. Jackson 2x1300 WRBC rock oldies 1125 (Hauser)
- 2910 Nicaragua? Mex. mx noted 8/28 1118, Ecos de las Buemas dominated on this freq. in Texas 2x1454.5 (Hauser)
- 3140 COLOMBIA poss. mw harmonic noted 8/20 0105 w/SS nx, sounding like relay off air; gone at 0145 poss. early Sun nite s/off 8/21 on at 0200 (Hauser) UNID on 3139 1235-1240 SS mx, tx, 0420-0430 SS, tx, mx, ment. Colom. 8/24 (Lineback) R. Sensacion s/off ann. at 0500 included only "onda larga" freq. no sw (Field) It's anybody's guess folks, R. Sensacion listed on 1570 so is poss. harmonic-ed.
- 3204 NIGERIA NBC-Ibadan 2255-2305* EE ID, lcl mx, nx (Heutte)
- 3204.5 INDON. RRI-Bandung oft 1230-1319 w/lcl & net px, ID's, best LSB (Reeves-Idaho)
- 3215 VENEZUELA Ondas Panamericas 0959-1010 SS, s/on w/NA, anns, chimes 8/31 (Tuchscherer)
- 3220 PAPUA R. Morobe 1150-1205 Pid. OM tx, lcl mx, ext. sked? (Tuchscherer)
- 3223 INDON RRI-Mataram usual px hrd F-P w/ute rite on freq. 1246-1320 (Reeves-ID)
- 3225 VENEZUELA R. Occidente 0135-0407* ads, off w/IV NA (Heutte, Reeves)
- 3227 LIBERIA ELWA 2216 vern tx // 4770 (Heutte)
- 3232 CONGO RTWC to 2300* Afr mx, FF, vern anns, //4765 (Heutte)
- 3240 UNID LA 0550-0610 SS, LA mx, m&w tx (Boyd)
- 3240 PERU R. America 0320-0335 SS, US mx (Tuchscherer)
- 3242 INDON RRI-Ambon 1230-1322 OM tx in Indo. (Reeves-ID)
- 3245 PAPUA/N.G. R. Kerema to 1306* w/GSTQ (Reeves-ID)
- 3245 VENEZUELA R. Libertador 0108 Italian px, ads, pops, ID (Huette) 0251-0307 SS mx, anns, stat&het (D'Angelo)
- 3250 INDON RRI-Bandjarmasin 1249-1300 best RRI on band lcl & net px (Reeves-ID)
- 3250 S. Africa SABC 0240-0335 EE tx, mx, anns (Nebron, D'Angelo)
- 3252 ENGLAND BBC no sign of it, not listed anywhere, Is it a typo for 3952? (Reeves) Last hrd 7/12 0425 w/GG nx -ed.
- 3255 BRAZIL R. Cl do Marilia 0825-0901 PP, LA mx, many anns (Tuchscherer)
- 3255 VENEZUELA LV del Tigre 0120-0245, 1013, EE & SS pops, s/on 1013 w/NA (Cwikla, Mayer, Tuchscherer)
- 3260 CHINA Kweiyan (list) OM tx 1307-1311 (Reeves-ID)
- 3260 ECUADOR LV de Carrizal 0208-0305 SS OM tx, mx from 0233 (Tuch'er)
- 3275 VENEZUELA R. Mara 0245-0300 SS, mx, ID (Straus, Estes) 0958 s/on w/NA-ID's LA mx (Tuch'er) to 0400* w/NA (Cwikla)
- 3290 GUYANA Act. R. 0800-0845 EE tx, Hindu mx, drums, ID (Eichenhorn, Estes)
- 3294 INDON RRI-Samarinda 1326 w/chants (Reeves-ID)
- 3295 GHANA 2220-2230 chants to 2230 rel px not //3350, 3366 (Heutte, Straus, Reeves)
- 3300 WIND. ISLDS 0105 EE ID, TC, VG for a change (Heutte)
- 3300 GUATEMALA TGNA 0340-0350 EE rel px, 9/8 (Miller, Nebron)
- 3300 GABON Libreville 2230 FF mx, tx, JRM from FAX sig. simult. on 4777 (Wootten) 2000 8/28 not to be confused w/Bujumbura on this freq. (Padula)

- 3315 MARTINIQUE Ft de France 0008 FF mx,tx, w/some pops (Cwikla) 2315-2330 FF tx (Straus)
- 3316 SIERRA LEONE SIBS 2241- EE tx, pops (Reeves) 2302 EE, mx tx, this might have been Bundy's UNID as I actually copied this sta. on 3315, w/def. ID (Wootten)
- 3320 N.KOREA 1233-1319 YL tx, mx (Reeves-ID)
- 3331 COMORO ISLDS Moroni 1830 play in nat'l lang. (Padula)
- 3335t PAPUA/N.G. R.Wewak 1210-1215 lang?, traces of mx, OM tx (Lineback)
- 3345 ANGOLA R.O1 do Huambo // 5060 at 2150-2300* PP anns, lt mx (Heutte)
- 3350 GHANA Ejura 2130 vern, lcl mx, ratty QRM (Wootten)
- 3365 DOM.REP. R.Exitos 0105-0450 SS, LA mx, ID's, ads,TC's, (Heutte, Tuch'er,Ronda,Straus,Lineback,Reeves)
- 3366 GHANA 2330-2340 Pops, lcl lang, 9/16 (Straus)
- 3370 UNID LA 0120-0211 SS tx, mx, cw & rtty QRM (D'Angelo)
- 3375 ANGOLA Em.Off. 2200-0000* PP anns,ID's, mx, 2300-nx Luanda ment. (Heutte,Straus)
- 3375 BRAZIL R.Olinda 0050-0105 PP mx, anns (Tuchscherer)
- 3380 MALAWI Blantyre 2155, EE px, mod.mx 8/16 (Padula)
- 3380 ECUADOR R.Iris HC mx to 0444 when "Gunsmoke" TV ad, Pepsi ad, car oil ad, 1 more than ID (Reeves)
- 3385 FR.GUIANA Cayenne 0140 orch mx, FF anns (Heutte) 0920 FF mx, US pops (Cwikla)
- 3385 DOM.REP.R.Hit Musical 0220 SS/EE pop mx, (Ronda)
- 3385t N.BRITAIN R.Rabaul 1030-1220 Isl mx,chants, Pid.,rel mx, drums (Lineback,Straus)
- 3385 VENEZUELA R.Barcelona 0333 clear SS ID, ads (Estes)
- 3390 ECUADOR R.Zaracay 0400-0410 SS mx,ID 8/26 (Lineback)
- 3396 NIGERIA R-TV Kaduna 2250 vern.,Muzzim w/Koran fol. by few words off @ 2305 (Poor)
- 3397 S.Africa no sign of this either and also unlist NF? (Reeves)
- 3400 CHINA Fulkien Front. OM tx CC? 8/21 @1145-1200 (Mayer)
- 3520t GALAPAGOS ISLDS traces of mx thru the QRM,cw QRM 8/13 (Wallace)
- 3535 CHINA PLA loud @ 1230+ // 3200,3400,3900 (Reeves-ID)
- 3560 N.KOREA R.Py EE px 1230-1300 no//i's found (Reeves-ID)
- 3668 TIMOR Dili 1100-1200 time pips, ID PP nx-1200 (Mayer,Poor)
- 3883 CAPE VERDE ISLDS R.C.do Cabo Verde 2240 PF nx by YL, loud, clear, excellent (Heutte) 3885.5 2244-2339 s/off is irr. as ever and shift from 3883 seems perm. (Reeves)3885.5 to 2358:50* 9/27 (Straus)
- 3906 INDON.RRI-Palangaraja OM tx 1236-1340 also chants (Reeves-ID)
- 3910 JAPAN FEN usual FEN stuff 1150-1250 no sign of the RR (Reeves-ID)
- 3925 JAPAN NSB w/JJ tx,mx mix ABC-P/N.G. 1311 (Reeves-ID)
- 3925 PAPUA/N.G. Pt.Moresby 1135-1145 EE, vcl mx, VLK3//VLK4 on 4890, ham QRM (Lineback)
- 3935 INDON.RRI-Semerang 1304-1332 w/net px // other RRI's tho unlist now (Reeves-ID)
- 3939v CHINA Wukan (list) 1222-1400 w/CC tx (Reeves-ID)
- 3945 INDON.RRI-Denpasse suddenly UTE-free @1325 w/all L.Welk type mx, clear ID,IS 1400 into chants 8/27 list lkw. but loud even for 10 (Reeves-ID)
- 3945.2 NEW HEBRIDES R.Vila 0824 t/in, 0900:30* tx in FF & Pid. inst, flute guitar mx, fades in for maybe 2-3 min.at a time, very weak, no NSB or ARO QRM, on a Tues. morn., highly unusual reception, no NA @ s/off 8/14 (Burlaw)
- 3948.4 UNID seemingly LA sta. w/SS nx 0430-0500 then px of mx w/non-latin flavor 8/16 (Burlaw)
- 3950 ENGLAND BBC tx in GG 0435 //6195 lousy, het 8/16 (Burlaw)
- 3952 S.AFRICA SABC 0425-0450 Afrikeans tx by OM (Lineback,Boyd)
- 3960 MOZAMBIQUE R.Pax 0445 PP tx, m&w (Straus) 0525t something under at least 6 hams, hrd singing, not much else audible, useless (Burlaw)
- 3960 W.GERM. RFE OM in E.Eur. lang 0459 (Reeves)
- 3965 S.AFRICA 0420-0500 Afrik.//EE EEnx-0500 on 3962.5 8/16 but back on 3965 by 8/25 (Burlaw)(Boyd,Lineback)
- 3970.8 CAMEROON R.Buea 0506-0525 f/o FF tx, inst mx, drums roll and FF ID @ 0515 drifted 500 hz. in lst 9 min. LSB effective ARO QRM (Burlaw) Aug. LR of Buea credited to Bruce-Scotland, not Reeves-ed.
- 3975 INDON.RRI-Surabaya chants, net px, mix UTE, hams 1218-1330 (Reeves)
- 3980 W.GERM.VOA hard rock mx 0455 (Reeves)
- 3985 NIGERIA NBC-Lagos 2305* after EE nx (Heutte)
- 3985.2 ECUADOR R. Escuelas Populares SS gospel type mx, 0250, SS ID 0251, S9 sig. but lcl SSB on freq. 8/23 (Burlaw)
- 3995 INDON.RRI-which one? prob Kendari w/more power 1330-1406 (Reeves-ID)
- 3995 VENEZUELA R.Universidad 0305 SS mx, ads,ID (Straus)
- 3995 SOLOMON ISLDS SIBS W/EE @ 1101 ABC nx (Miller)
- 3997 S.AFRICA 2230 Springbok R. Sonny & Cher mx, (Heutte) 0056-0106 mx, EE/Afrik. tx (D'Angelo) 0325 (Cwikla) 0425 EE (Lineback)
- 4040 USSR which site? 1245-1256 RR tx (Reeves-ID)

- 4050 USSR Asain 1211-1241 (Reeves-ID)
 4056 W.IRIAN RRI-Merauke w/chant like tx, pops 1234-1311 This one fades in and out early 'cause of QTH (Reeves-ID)
 4068 UNID Prob. Huhehot, Inner Mong, 1130 class. piano faint(Poor)
 4069.5 CHINA Huhehot list CC mx 1234 (Reeves-ID)
 4627 SPANISH SAHARA R.Sahara El Aauin RNE ID 1903 8/8 lcl mx in vern. to 2000 when anns. in vern hrd & abrupt close (Calkin)
 4679 ECUADOR R.Nac Espejo 0400-0500 lcl mx, DJ tx, sports bdcst 8/8, (Martin,Miller,Gendron)
 4701 N.KOREA KK YL dictation 1240 30 over S-9 (Reeves-ID)
 4725 BURMA BBS in langs 1234,1353 (Reeves-ID)
 4750 UNID Brazilia? on 4750 to 0300, ID as Radio _____ Hora, gud sig. pop mx, all PP anns (Schnabel)
 4755 DOM.REP. Onia Musical 0058 SS, ID tx, ads, mx (Austin)
 4755 COLOMBIA Em.Nuevo Mundo 0316 SS txmx, ID's (Austin)
 4759 CHINA Kunning list CC YL tx 1328-1334 (Reeves-ID)
 4762t INDON.RRI-Idan 1120-1202 chants, OM voices, soft mx (Tuch'er,Poor)
 4765 CONGO RTVC 2145-2300* FF anns,mx, ment. of Brazzaville(Estes,Heutte to 2315 8/14 FF tx (Ronda)
 4765 ECUADOR CRE 0245-0400 SS mx, ads(for R.Algeria)(Boyd) ID as R. Cadena Nacional (Estes)
 4765 MOZAMBIQUE LVde Rev *0430 FF fade in at *0430 w/ Ici Brazzaville, gud w/lcl mx (Martin)
 4770 LIBERIA ELWA hrd variously 0630,2200,2300* EE, BBC nx, (Wallace, Heutte,Field,Lneback)
 4770 VENEZUELA R.Bolivar hrd to 0256* and @ 0000,0239,0940, 0400 typical IV stuff (Gendron,Zichenhorn,Estes,Austin,Ronda,Robins)
 4770.5 N.KOREA KK OM tx 1219-1430 (Reeves-ID)
 4771 MALI Bamako 0645-0700 FF & lang tx by m&w Afr mx, FF nx-0700 (Line back)
 4775 DOM.REP. Cnda Musical 0345-0402* SS (Schwartz)
 4777 GABON Libreville 2228-2303* FF mx, tx (Earhart) t @ 0540 FF tx, Afr mx, US mx (Wallace) 0030-0042* FF,Afr mx, NA* extended sked (Tuchscherer) 2305 FF comedy-variety px (Ronda)
 4780 ECUADOR R.Atahualpa 0330-0545 Andean mx, some tx (Reeves)
 4780 MALI RM *0558 FF NA/ID tx (Austin)
 4780 VENEZUELA LV de Carabobo 1100 SS mx, ID's (Ronda)
 4785 PERU R.Atlantida 2305 SS, march mx, ID's (Cwikla)
 4788 TURKS ISLD 1945 EE cont.pop mx, rare EE breaks, 2115 ID (Poor)
 Fantastic S-9 (Poor)
 4789.5 INDON.RRI-unid(Fak Fak on late?) 8/19 OM tx 1305 8/30 non stop Indo & one EE song 1330-1357* no tx (Reeves-ID)
 4790 ECUADOR Em.Atalaya 0215,1010 SS (Ronda,Poor)
 4790.5 UNID Andean sta. @ 0400-0430 on 9/8 gone next day, mostly Andean mx & few tx, directly under Em.Ata. but doesn't het it, gone 0502 (Reeves)
 4795 BRAZIL R.Congonhas 8/27 ID @ 2348 mx&nx (Field)
 4795 PERU R.Atlantida exc.lv1 w/ID 0855 8/17 moved from 4785 (Padula)
 4795 ANGOLA R.Commercial 2300 PP OM w/PP nx then off w/AP at 2305 UTE-QRM (Poor)
 4795 CONGO RTVC drama px @ 2155 FF, ID's (Heutte)
 4800 CHINA RP is a reg. blockbuster on WCNA 1228 IS to *1230 CC YL tx, revol. mx, part 1435 (Reeves-ID)
 4800 VENEZUELA R.Lara 2210-2230 long path recep. stronger than 60mb. Africans, ads & TC 8/25 60 mb Venez. hrd rarely here than in June and July only (Padula) 0005 SS, ID TC,mx,ads (Austin) 1010 BOB LA px 9/16 (Straus) 0130 (Heutte)
 4805 KENYA Nairobi mod.vocals 1835 EE anns.//746 mw 8/24 (Padula)
 4807 REUNION ORTF St.Denis FF drama 1824 s/off usually 1845 tho oft. runs past 2000 on weekends //665 (Padula)
 4810 VENEZUELA R.Popular 0030 SS ID, mx ads, TC (Austin)
 4815 UPPER VOLTA Ouagadougou 2025-2300* FF mx, mx, ID (Calkin,Wootten, Straus,Poor) *0600-0605 Afr. mx, (Gendron,Austin)
 4815 PERU R.Samarin 0215-0435 Lively LA mx, ID's 0300-nx (Heutte,Field, Tuchscherer)
 4820 GAMBIA Banjui (renamed from Bathurst-Calkin) 2000-2215 BBC nx-2000 (Calkin,Heutte) *0626-0715 IS, ID chants, BBC nx WS-0700 (Robins, Champagne,Wood,Padula,Gendron)
 4820 ANGOLA Em.Off,2315 PP drama OM (Martin)
 4820 HONDURAS LV Evang. 0400-0430* EE rel px 8/23 (Boudreau) 0317-0329* EE rel px 8/27 (Schwartz)
 4822 ECUADOR R.PazyBien 0610 SS Andean instr.mx & vcls 9/3 (Poor)
 4825 USSR Vladivostok RM IS 1230, *1231in lang hrd thru hvy UTE to 1335 (Reeves-ID)
 4830 VENEZ. R.Tachira 0304 SS tx, TC, ID (Austin)

- 4831 THAILAND RT HS 1245-1330 only 8/16 (Reeves-ID)
 4831 CHINA Shenyang list directly under RT w/YL chants, CC tx 1245-1300 (Reeves-ID)
 4832 COSTA RICA R.Capital 0258-0550* the usual (Schwartz,Austin,Boud'au
 4835 SARAWAK RM-S 1256-1516 various langs px, vg @ times (Reeves-ID)
 4839 INDON.RRI-Ambon daily 1227-1401* Sunday at 1436 (Reeves-ID)
 4840 VENEZ. R.Valera 0100 SS tx,mx (Leonhardt)
 4840 PERU R.Andahuaylas 0130 mix Valera, mx,SS anms (Heutte)
 4845 BRAZIL R.dif.Teresina net ID 0346 no sign of DSWCI'S list of R. Chinchaycocha ex 4856 (Reeves)
 4850 CHINA 1243-1342 exc.w/tx no//4800 (Reeves-ID)
 4850 MAURITANIA Nouackhott *0659-0715 IS.ID,chants AA(Gendron,Padula, Lineback) 2035 AA nx "usual" time in our mornings (Padula)
 4855 INDON.RRI-Palembang is irr. but oft. vg when hrd 1230-1406,1435 (Reeves-ID)
 4856 BRAZIL R.Taubate 0330-0345 PP LA mx, ID's het (Tuchscherer)
 4860 VENEZ. R.Maracaibo 0600* SS nx,LA mx 8/15 (Schwartz) 0218 SS, mx, ID's (Ronda)
 4860 ECUADOR R.Mundial 1040 SS OM w/Andean guitar, noticias 1045 (Poor)
 4865 BRUNEI RB Berakas fades in late (Why?) hrd 1327-1417 w/chants, pops, het UTE on 4864 (Reeves-ID)
 4865 COLOMBIA LV del Cinaruco,Caracol ID @ 0500 nx (Field)
 4871 W.IRIAN RRI-Sorong Indon,pops, clear ID's, rel px, hrd 1236-1336 (Reeves-ID) tent. 1135 Indon.pop mx YL host, gone 1200 (Poor)
 4875 BRAZIL R.Jour.do Brazil 0535* PP tx,ID (Boyd)
 4875 PAKISTAN Karachi EE nx 1805,1810*, not on listed 4975 and believe a perm. move 8/25 (Padula)
 4875 BOLIVIA LaCruz del Sur 0115-0309* class.mx, 0200-ID, world nx 0210 (Cwikla,Gendron)
 4877 S.VIETNAM VTVN chants, VV mx, 1254-1437 exc. on some days, poor w/hvy UTE on others (Reeves-ID)
 4880 DOM.REP. R.Comm. 0500 SS ID's, lively mx (Martin).
 4880 ZAIRE Kinshasa 0130 FF nx, Afr.mx (Cwikla)
 4880 VENEZ. R.Universo 0112-0200 SS,tx,mx,ads,TC (Austin,Gendron)
 4884 INDON.RRI-Bukittinggi on 8/29 1346-1410,1427 This sta. plays some really beautiful Indo. chants (Reeves-ID)
 4885 BRAZIL R.Cult.do Pocos 0230* SS 8/15 (Schwartz)
 4885 COLOMBIA Ondas del Meta 0440 SS poor w/LA mx freq.&ID 0500 (Martin)
 4885 KENYA Kisumu 1930 nx in vern. 1937* after NA 8/24 (Padula)
 4885 IND 2325-0000+ 8/19 FF tx by OM Afr.mx, several speeches (Wallace)
 4890 BANGLADESH Dacca 2100 EE ID-2115 "You have been listening to ____" (Martin)
 4890 VENEZ. R.dif.Venez. 0208-0230 US pops (Hardester)
 4890 PAPUA/N.G. ABC Pt.Moresby 1100-1110 EE,ABC nx(Eichenhorn,Wood)
 4895 ANGOLA R.Cl do Bie 2220 YL in PP (Heutte)
 4895 SARAWAK RM-S lang(s) 1253-1437 (Reeves-ID)

A wide variety of loggings this month with some unusual items from Scott Reeves who spent much time traveling out west this summer and whose above loggings were from an Idaho QTH. Things are picking up here and with my R-390 just realigned who knows what DX lurks in the dead of nite?-ERS

RADIO FREE AMERICA

Late news in just before we go to press in that the hearing on Radio Free America originally scheduled for October 1 has been continued until October 11, 1973. Thus, presumably, the station will not be on the air again until that date. The October MID-MONTH FLASHSHEET should have some information on that. (HDQ)

 WE EXPECT TO ANNOUNCE AVAILABILITY OF NEW BAND SURVEYS OF 90, 60, 49, 41 METERS IN THE NOVEMBER ISSUE OF FRENDX. This will depend on several factors. But the announcement will be made as soon as possible.

 Someone suggested, after hearing of the west coast meeting arranged by ASWLC & SPEEDX, that there ought to be that type of meeting on a more frequent basis, and that the east could well do with such a meeting...Arrangements are being made for such a meeting, possibly in Pittsburgh in November. Again, the November FRENDX should carry some word on that. We can say that it would probably be a one day meeting, on a Saturday, with a small registration fee to be used to pay for a meeting room....More next month!

73 from HDQ....Dan Ferguson

- 4679 ECUADOR R Nac Espejo 0400 SS 8-25 mx, ID, commercials 344 (Austin)
 4900 CELEBES RRI-Gorontalo 1251-1421 beautiful Indonesianised Western mx FG (Reeves-ID)
 4905 COLOMBIA Bn Atlantico 0045 SS mx G (Robins) 8-22 0055-0110 mx, SS IDs, rock and LA
 ID 0100 F (Mayer) 0225 SS 8-13 LA mx, many IDs 333 (Ronda) 0500 SS strong with
 pops, ID 0520 (Martin-Eu) 0519 S* 9-8 ID, bombastic ads PF (Miller) 0330-0540, may
 be all night now (Reeves) 0743-0815 S* OM 8-19 TCs, mx, ID 0800 G on USB (Hardester)
- 4905 Unid 0620 9-2 African mx, no ID 0630 F (Wallace)
 4905d CHAD Ft Lany 2105-2300* late schedule on weekends (Reeves)
 4908t KHMERE RFP Phnom Penh assumed 8-19 1334, 8-27 1410; reportedly bombed (Reeves-ID)
 4910 GUINEA Conakry 8-26 0350-0500 mx, clear after 0430 FG, dual 7125 9650 (Mayer) 0615*
 IS, vernacular 333 (Schwartz)
- 4914 MANCHURIA Harbin daily 1250-1450* dual 5950; past list 1426*; E (Reeves-ID) Ex 4918
 4915 COLOMBIA R Guatapurí 0452 SS 9-9 chimes, ID, LA mx F (Miller)
 4915 GHANA FG 0615* N:E 322, 0540-0600* EE 8-26 333 (Schwartz) 8-26 drum IS, man with N:E,
 0550-0620 (Hewitt) 0600 EX, vernac nx 0615 8-22 F (Boudreau) 0600 EE, drum IS, Home &
 National mx, drum IS 0615 G (Champagne) 2240 8-15 African choral mx 433 (Ronda) 2300
 N:E, ID, anthem, 2305* 8-10 (Padula-Pac)
- 4915 KENYA Nairobi closing Swahili pgm 2014; co-channel Ghana QRM (Calkin-Eu)
 4915 Unid SS or PP talk under QRM 0420 8-19 P (Wallace)
 4920 AUSTRALIA VLMA 1100 N: E 211 8-20 (Gendron) 1100 National & Regional nx 8-29 343 (Ronda)
 1112 local nx, ID F (Wood) Indonesian lesson 1115 FG (Robins)
- 4920 HONDURAS R Progreso 0100 ID, ads G (Robins) 0420-0505* SS, American and LA mx 8-24 G
 (Boudreau) 0504* anthem (Lara's Theme from Dr Zhivago IS after s/off) E (Reeves)
 4920 INDIA AIR-Hadras 1406-1515 FG M lang talks 8-26 8-27 (Reeves-ID)
 4920 USSR RM *2100 RP talks, classical mx (Reeves) What a pest! FH
 4923 ECUADOR R Quito 0320-0330 SS sports, talk by W, F 9-6 (Lineback)
 4926 EQUATORIAL GUINEA R Bata African mx 2141 F (Calkin-Su) 2114 SS mx (Reeves)
 4927 SUMATRA RRI-Jambi only 8-19 1336 M II talks (Reeves-ID)
 4930 DOMINICAN REP R Mil 0415-0430 SS pops, ID, M ancr G 8-21 (Lineback) 0430 SS mx 8-23
 G (Boudreau) *0112 full ID, call, mention MW outlet, mx VG (Robins)
- 4932 JAVA RRI-Surakarta 1248-1439 G usual pgm (Reeves-ID) t 1110 II 9-3 mx with few breaks
 both MW ancrs (Poor) t 1245-1305 lang W talk, mx, M Talk, choral mx P 8-25 (Lineback)
 4933 AZAD KASHMIR Trarkhal 1835 Pakistani vocals, local ID at 1901* 8-25 (Padula-Pac)
 4935 PERU R Tropical ID 0359*, mx IS (Reeves) How come all these have IS after s/off? FH
 4938d INDONESIA Unid RRI 8-19 8-28 8-29 8-30 FG (must be 10 kW) 1321-1410 II pops, 2 clear
 RRI IDs 1330, didn't get studio (Reeves-ID) Any help from the Asian DB crew? FH
- 4940 IVORY COAST Abidjan 2255 vernac, African jazz mixing with Yaracuy (Martin-Eu)
 4940 VENEZUELA R Yaracuy 0115 SS 8-19 ID, TC, mx 434 (Austin) IDs, mx 1005 F (Robins)
 4945 COLOMBIA R Colesal LA mx, EE ID 0548 F (Wood) 0825 SS mx, talks 8-21; EE ID 0613 8-24
 F (Boudreau) IDs, nx, ads 1000 F (Robins)
- 4950 KENYA Nairobi Swahili cmtry, African rhythms 1820-1830* 8-24 (Padula-Pac)(Padula-Pac)!
 4950 PAKISTAN Peshawar nx in Urdu from Karachi 1800, EE 1805, to 1810* Kenya QRM 8-25/
 4950 SARAWAK RMS 1200-1517 lang; EE at 1200-1230 1400-1445, roughly; VG (Reeves-ID) 1508-
 1540 EE nx, mx 9-2 (Nebron)
- 4955 COLOMBIA R Nac 0405-0409* SS, Schumann, Shostakovich mx 333 (Schwartz) 0500 SS nx
 8-23 F (Boudreau)
- 4960 PR CHINA 1205-1345 often with revolting mx G (Reeves-ID) Um-hmm. FH
 4960 ECUADOR R Federación Suñá 8-28 mx, off 0230* (Field) 0100 N:S, mx, amts E (Heutte)
 4965 COLOMBIA R Santa Fé 0110 IDs, mx F (Robins) 0629* SS, LA mx 8-28 333 (Schwartz) 0810
 SS mx 8-21 G (Boudreau) 8-19 SS talk, many IDs G (Wallace)
- 4970 PERU R Cajamarca 0300* SS 8-24 QRM QSR 222 (Schwartz) ID? Not listed this frequency.
 4970 SABAH RMS 1156-1444 daily FG, EE 1400-1410 dual powerhouse 5980 (Reeves-ID)
 4970 VENEZUELA R Rumbos 0230* SS 8-24 N:S, IA mx 333; 0508* 8-28 (Schwartz) 0300-0330 SS
 mx, talk 9-5 (Nebron) LA mx, nx, SS 0430 F (Brown)
- 4972t CAMEROON R Yaoundé 0510 8-19 African chorus mx, vernac talk, believe EE ID 0532,
 low modulation FP (Wallace) 2230-2300* FF amts, local mx, RTTY QRM, F (Mayer) 2235
 West African mx, severe ute (Straus) 2235-2258* FF 8-14 African mx, FF amts, off
 with NA 333 (Ronda) Apologies; only first report is tentative FH
- 4975 PR CHINA Fukien Provincial (not PLA) distorted FE mx, time pips 1200, M&W (Reeves-ID)
 4980 VENEZUELA Ecos del Torbes 0020 SS 8-25 mx, IDs 434 (Austin) 0300 SS mx, EE ID 0303,
 8-31 G (Boudreau)
- 4985 MALAYSIA RM-Penang FG at times 1156-1445 (Reeves-ID)
 4990 PR CHINA Changsha CC yak 1347 PF 8-19 (Reeves) Don't you mean a Tibetan yak? Hart
 4990 NIGERIA NBC-Shosunle 8-26 *0435, morning prayer, N:E 0440 F (Mayer)
 4990 VENEZUELA R Barquisimeto LA mx, nx, ID 0300* FG (Brown) 0342-0400* SS, American pops
 8-24 E (Boudreau)
- 4996 PERU R Andina 0546-0630 G, gone 0707 check (Reeves) 0330 Andean tunes, F (Heutte)
 5000 Unid 0600 SS amts, Peruvian type mx, still there 0610 (Martin-Eu) Likely Andina. FH
 5010 CAMEROON R Garoua 0503 FF 8-25 African mx, chants 232 (Austin) 0510 FF morning prayer
 talk, African mx 211 8-25 (Gendron) mx and clear ID 2100, talk in vernac G (Calkin-Eu)
 5010 DOMINICAN REP R Cristal 0130 SS with LA pops 8-18 G (Boudreau) 0452* SS 8-25 222
 (Schwartz)
- 5010 PERU R Eco 1030 SS 9-2 SS OM with LA, Andean mx, 1030 ID G (Poor)
 5010 SINGAPORE RS dual 6000 1317-1429 CC pgm G (Reeves-ID)
 5013 ANGOLA R Clube Moçambés PP talks 0604 9-16 (Reeves)
 5015 ASIATIC USSR Vladivostok fade in 1950, still in 1826, 5½ hrs after sunrise (Reeves-ID)

- 5015 WINDWARD ISLANDS R Grenada 0003-0017* 8-28 N:E 322 (Schwartz)
 5016 Unid 8-19 British M with N:E 0500, orchestra mx 0510, Rhodesia? VP (Robins)
 5017 ECUADOR R Centinela del Sur Andean sax to 0338* 9-8 G (Reeves)
 5020 NIGER CRTN 0530 FF 8-25 mx, ID, talk 222 (Austin)
 5030 SARAWAK RMS VG 1303-1445 with lang, AA-like chant (Reeves-ID)
 5030 VENEZUELA R Continente 0439* S5 8-24 LA mx 333 (Schwartz)
 5035 COLOMBIA LV de Caquetá 0330-0400* excited pgm, ads, chimes (Reeves) 0350-0400* SS ID, off with NA; mention Bogotá but not Florencia, 8-26 G (Lineback) 1005-1026 SS 8-21 LA mx, nx, ads, M/M (Tuchecherer) 1025 9-2 organ & chimes, TCs, IDs FG (Poor)
 5038 CENTRAL AFRICAN REP Bangui 0550 8-14 FF-vernac talks, mx P (Wallace) 2240-2300* FF, African mx, talk, 211 8-12 (Gendron)
 5039 SUDAN Omdurman 0315 AA pgm G (Calkin-Eu)
 5040 BURMA BBS 1420-1515 8-29 local, EE nx, old US mx, talk, 332 at best (Nebron)
 5047 TOGO Lomé 0530 FF NA, ID, Hymn Togolais, TC, world nx, pop mx F (Chambers) *0530 IS, ID, FF, F (Robins) 0600 8-19 LA-sounding FF mx, drums, much RTTY P (Wallace) 1956 FF (Reeves) 2150-2225 9-2 string mx, drums, N:F, 353; also noted 0615 (Earhart)*0530v FF 333 (Schwartz) Richard, I'm having lots of trouble deciphering your reports. FH 2230 FF 8-14 light mx, FF arnts 333 (Ronda) 2215 8-20 S9 plus 65 dB, best ever (Heutte) 2245 soft mx E (Estes)
 5050 VENEZUELA R Mundial 0035 SS LA mx, DJ talk 322 8-26 (Gendron) 0120 IDs, mx F (Robins) 0235 frequent IDs, TC, LA mx, SS versions of US pops songs G (Champagne) 0356 talk, ID, mx 8-24 F (Leonhardt)
 5052 SINGAPORE RS 1310-1430 EE ID, pops F (Reeves-ID)
 5054 SULAWESI RRI-Ujung Padang 1145 II 9-3 YL with pretty mx, RRI IS, bells 1200 G (Poor)
 5060 ANTOIA R Clube do Huambo dual 3345 8-20 at 2230; loud enough to rattle windows (Heutte)
 5075 COLOMBIA R Sutatenza 0205* 8-22 SS nx, LA mx 333 (Schwartz) 0317 8-17 SS M ID, group singing 44444 VG (Eichenhorn)
 5075 PR CHINA RP usual in CC 1149-1350 daily G (Reeves-ID)
 5095 COLOMBIA R Sutatenza 0123 SS 8-19 nx, ads, ID, TC 333 (Austin) 1058 SS M talk (Straus)
 5804 YEMEN Sana 0300 AA 9-3 anthem, M reciting morning Qu'ran prayers E (Poor) *0300 F AA Qu'ran (Estes) 0330 talk, chants QRN 8-17 P (Mayer) 0325 AA talk, mx 322 (Gendron)
 5850 PR CHINA RP 1409 CC (Reeves-ID)
 5868 N KOREA Pyong'yang H22 KK E 1408 (Reeves-ID)
 5930 CZECHOSLOVAKIA R Prague 0400 EE Arts in Czechoslovakia to NA, several IDs E (Jordan) Isn't EE at 0100 and 0300? FH
 5935 USA VOA feeder 1351 in Asian lang (Reeves-ID) QTH, GH? FH (I love these cryptic notes!)
 5950 MANCHURIA Harbin 1355-1433* E dual 4918 (Reeves-ID)
 5955 GUATEMALA TONA 0340-0350 EE dual 3300, rel pgms (Nebron) 0420-0448, EE until 0430, then lang F (Rowan) 0424 EE 9-9 rel talk and mx F (Miller)
 5960 CANADA RCI nx, consumer interest pgm 0230 F (Kelleher)
 5965 MALAYSIA RV in Malay 1345-1905, sked 24 hours (Reeves-ID)
 5970 DOMINICAN REP PIVD N:S 1100; returned after several months absence (Reeves) 5965 0030 IDs, ads, EA mx F (Estes)
 5970 PERU R El Sol 0500 IDs PF (Robins) 0545-0630, Peruvian mx, current US rock, ID tape after each song VG 8-18 (Burlaw) Old Beatles mx, SS IDs 0705* F (Wood) 1045 SS 9-5 local style mx 443 (Zilmer)
 5975 AUSTRALIA RA 1035 8-26 light mx, EE ID by M, F (Wallace)
 5975 ENGLAND BBC classical mx 0245 E (Kelleher) BBC WS replaces SS here (Mayer)
 5980 EL SALVADOR R Nac 1118 SS 8-16 LA mx, TCs, nx, several IDs 444 (Cwikla) 1145 SS 8-19 LA mx, several IDs 454 (Ronda) 1150 SS 8-20 ID, accordion mx 344 (Austin)
 5980 SABAN RMS 1330-1450 lang only hrd, no EE though list 1330 E (Reeves-ID)
 5987 SULAWESI RRI-Menado 1000-1501*; once to 1515 (Reeves-ID) 1152 II 9-3 pops, one of best Indonesians heard (Poor) t 1050 lang 9-7 mx, talks, no definite ID (Zilmer)
 5995 WALL Bamako 0730 clear local mx, FF IDs after VOA-Greenville leaves 7-30 F (Burlaw) 2230-2245 vernac 9-1 native mx, Deutsche Welle QRN at 2239 F (Earhart)
 6000 BRASIL R Inconfidencia instrumental mx 0805, PF talk, splash QRN 8-14 P (Burlaw)
 6000 SINGAPORE RS 1320-1631* CC svc off with NA, often E (Reeves-ID)
 6005 CANADA CFCX 1358 US rock 8-24 E (Burlaw) 1743 8-23 rock'n'roll mx, ID F (Mayer)
 6006 COSTA RICA R Reloj 0120 SS 8-17 talks, many IDs 444 (Ronda) 0507 SS talk F (Rowan) 0715 SS ID, trumpet mx 8-14 E (Burlaw) 0830 SS mx, IDs, HGJE RCI QRN 8-2 (Boudreau) 1115 SS 8-20 Latin mx G (Dolyak)
 6015 DODECANESE IS VOA-Rhodes Jazz Hour, local relay ID 2359* G (Calkin-Eu)
 6020 PERU R Victoria 1030 revolutionary pgm, IDs with Beethoven's 5th P (Robins) Roll over, Ludwig von Bl FH 1055 SS 9-6 march style mx 443 (Zilmer)
 6025 MALAYSIA RM CC svc MCR mx 1600-1630*, QRN, off with NA FG (Reeves-ID)
 6025 NIGERIA NBC-Enugu talking drums IS, TC, RE ID 0600, N:E 7-30 G (Burlaw)
 6025 PARAGUAY R Nacional 2335-2344 SS 8-27 N:S, two clear IDs 333 (Ronda) 0000 N:S 9-18 but weak, QRN (Heutte) t 2320 SS 9-4 mx, possible ID P (Miller)
 6025 PORTUGAL RP 0345-0400* E discussion of Prelimo 433 (Schwartz) 0345-0430* NA (Brown)
 6025 NIGERIA NBC-Enugu 2250 EE 9-8 African mx, nx, NA 2305* FF (Miller) Misort, see above
 6030 COLOMBIA R Nacional 0256 SS 0300 N:S G (D'Angelo)
 6035 USSR Asian E 1200-1215 dual 6080 6115 6190; 1646-1730 dual 6080 (Reeves-ID) Vladivos-tok 1515 RR Majak pgm, light mx dual 6080 6115 6175 E (Boyd)
 6035 SOUTH AFRICA R RSA 0100 EE, 0245 FF dual 9585 9695 (Behr)
 6037 COSTA RICA TIRC 2245 8-1, 0900 8-14, SS, LA mx, nx G (Dolyak)
 6040 COLOMBIA LA del Tolima 0050 SS 8-25 talks, mx 443 (Zilmer) 0125 8-17 IDs, mx (Ronda)

- 6045 PERU R Santa Rosa 0330 SS 9-8 Andean style mx, HCJB QRM 422 (Zilmer) 0400 SS Boxing F (Guarducci)
- 6045 SWEDEN RS 0330-0400 EE nx, heavy QRM HCJB 311 (Nebron) 0330 EE 9-2 nx to WCNA, Saturday Show, ex-11705 422 (Zilmer)
- 6055 JAPAN NSB Lets Learn JJ pgm 1045, ID F (Robins) 1430-1500 childrens' pgm, ID, chime, JJ IDs on hour, dual 9595, both to 1555* (Reeves-ID)
- 6055 RWANDA Kigali 0410-0430 group singing, mx, W nx in lang, M ID 0430 QRM P 8-19 (Earhart)
- 6065 COLOMBIA Super R 0410 SS mx, ID, arnts 8-25 F (Leonhardt) 1130 8-19 light LA mx, IDs 343 (Ronda) 0800 LA mx, TCs, ads, IDs GE (Estes) 0800 LA mx, ID 8-12 G (Burlew)
- 6065 SPAIN RNE *0200 EE, Beatrice Coby, N:E 8-25 444 (Schwartz)
- 6070 CANADA CFRX EE pop mx, ID 1625 G (Brown)
- 6070 VENEZUELA R San Sebastian nightly mx & IDs, TCs 0400* (Field) 1100 SS 9-5 talks, mx, CFRX QRM 433 (Zilmer) 0125 SS, mx, ads (Heutte) Had been inactive a while. FH
- 6075 COLOMBIA R Sutatenza 0125 SS 8-17 nx, wiped out by DW 333 (Ronda) 0915 SS mx G (Robins)
- 6080t E GERMANY RHI 2200 EE talk on Czech frontier G 8-26 (Burlew)
- 6080 NEW ZEALAND RNZ 0600 EE, BBC nx E (Boyd) 0800 N:E F, dual 9540 better 8-12 (Burlew)
- 6080 SOUTH AFRICA R RSA 0022 EE pgm FP (Jordan)
- 6080 USSR Majak 1905 dual 6035 6070 6190 (Reeves-ID)
- 6085 CANADA DW relay *0430-0530 N:E, Germany Today (Nebron) 0557 EE talk, mx, IS G (Boyd)
- 6085 USSR Asiatic xmt 8-23 during geo disturbance, 1730-1900 dual 6035 6115 6175 7160 7200 15435 G (Mayer) Unid AA like lang, chants, talk, M, P (Boyd) Date? Perhaps USSR
- 6086 COLOMBIA Ondas del Darién 0030-0100 SS 8-23 LA mx, not much talk, rooster crow between songs, 0059 ID, several interruptions in xmsn FG (Perdue) 0115 SS ID, trop mx G (Behr)
- 6087 TAIWAN Taipei lang 1457 heavy jamming (Reeves-ID)
- 6090 LUXEMBOURG RLI pops and London Daily Mirror 0000-0200 FG (Brown) Top 30 mx 0030 G (Kelleher) 0446-0506* GG Stimme des Glaubens rel pgm 8-31 333; 8-28 2232-0000* GG, pop mx, severe QRN, QSB 312 (Schwartz)
- 6095 COLOMBIA LV del Centro 1050 SS 8-23 talks, mx 343 (Zilmer)
- 6115 COLOMBIA LV del Llano 1055 SS 8-23 local mx 433 (Zilmer) 1159 9-3 SS M&W (Eichenhorn)
- 6115 CONGO RTVC 0455 African mx, 0600 pips, FF ID, nx VP 8-4 (Burlew)
- 6105 MEXICO XEQM 1300 long SS talk, ID 1305, mx (Leonhardt) Sorry, missorted! FH
- 6115 MEXICO R Univ de Sonora 1930-1945 SS, easy listening mx, M ancr 443 8-18 (Hardester) 1600-2100, best after 1800 (Reeves-ID)
- 6120 AUSTRALIA RA 1130 II pgm dual 7235-Shepparton (Behr) 1430 II talk, light mx F (Boyd)
- 6125 CANADA RCI EE to Su 0715, FF 0730 NF ex-11825 9-2 (Padula-Pac)
- 6125 HONDURAS R Suyapa 1115 SS 8-29 talks, several IDs 434 (Ronda) 9-9 SS talk, mx, ID, QRM de VOA F (Wallace)
- 6130 CANADA CHNX 2325 EE 8-27 pop mx 333 (Ronda) 2330 8-31 mx 343 (Custodio)
- 6130 ECUADOR HCJB *0715 EE to Australia-NZ, NF ex-5990 E 9-2 (Padula-Pac)
- 6135 S Korea RK 1511-1603* M&W lang talks, mx, off with IS (Reeves-ID)
- 6140 AUSTRALIA VLW6 1112 EE 8-29 regional mx 343 (Ronda)
- 6142 COLOMBIA R El Sol 0630 ID, TC, 0700 ID, 3 bells, LA mx F (Brown) 0815 SS LA mx, IDs E (Estes)
- 6145 ALGERIA RA AA chants, cmtry 0645-0815 NF 9-2 (Padula-Pac)
- 6175 W GERMANY DW 0215 N:G G (Kelleher)
- 6146 NIGERIA NBC-Calabar 2305* EE ID, closing arnts, NA 8-11 E (Burlew)
- 6150 AUSTRALIA VLW6 1100 EE classical mx, mx 211 (Gendron)
- 6150 COSTA RICA R Atena 1045 SS 8-13 local mx 443 (Zilmer) 1110 8-29 vocal pop, IDs (Ronda)
- 6150 Unid story by M&W in EE, ID 0700* VP 8-9 (Burlew)
- 6155 AUSTRIA CRF 0240* GG 8-28 333 (Schwartz) 0330 EE pgm Report From Austria F (Jordan)
- 6155 JAPAN FEN 1000 EE pop mx G (Rowan) 1804 ID, mx, to 1915 8-23 (Mayer)
- 6155 SWAZILAND Swazi R 8-25 0404-0445 rockenroll mx, IDs, TCs after each song; over DW; also 8-26 but P, not heard since (Mayer)
- 6155 USA VOA 1115 lang, mx, nx, sports F (Dolyak)
- 6160 CANADA CKZN EE talk on food prices 2014, ID 2030 8-6 P (Burlew)
- 6160 CANADA CKZU EE 1400-0000 (Reeves-ID) 1700-1830 nx, mx, talk 322 (Nebron)
- 6160 COLOMBIA Em Nueva Granada 0330 LA mx, R Cadena Nac nx (Brown)
- 6165 MEXICO LV de América Latina 0520 SS nx, talk, G (Boyd) 0530 SS talk by M&W 8-18 E (Burlew) 6195 SOUTH AFRICA Springbok R 1434-1516 ads mix BBC (Reeves-ID)
- 6165 S VIETNAM VTVN VV chants 1240-1605, gone 1635 recheck (Reeves-ID) t 1415 Asian lang talk P (Boyd) 6195 TUNISIA RDTT 2251 AA 8-24 chants 322 (Austin)
- 6170 MOROCCO RTVV 2315 AA 8-27 mx 222 (Ronda) 6195 PERU R Minería 0455-0510 SS P (Boyd)?
- 6170 VENEZUELA R Nac 0330-0358* SS 8-22 LA mx, US 50s pops, ID, anthem at sign off G (Perdue) 2230 SS nx, two aners, het (Martin-Eu) 6199 Patheth Lao lang talk 1405(Boyd)
- 6175 BRASIL R Guarani 0720 8-21 PP M ID, pop mx, TC, ad 43333 F (Eichenhorn)
- 6175 ENGLAND BBC 0030 N:E G (Jordan) Reeves-ID is Scott in Burley, Idaho!
- 6180 VENEZUELA R Turismo 0300 8-26, no Guatemala, SS sports (Field)
- 6180 Unid 0711 8-11 FF mx, group singing 22111 P (Eichenhorn) Unid 1040 8-26 talk in lang by W, pips 1045, then nx by M P (Wallace) Neal Kolb gave me a call; glad to see you!
- 6183 COLOMBIA R Colombia Internacional, Bogota 0800 8-22 SS LA mx P (Dolyak) What is this one, Dolly? No listing of any such station here. FH
- 6185 ETHIOPIA RE 1430-1600 exotic African mx, chants FG; weak carrier 9576 (Reeves-ID)
- 6190 ROMANIA R Bucharest *0300 EE ECNA 8-19 333 (Schwartz)
- 6195 NIGERIA NBC-Sokoto local mx 0610-0624, EE ID by W, BBC nx 7-30 F (Burlew) 2215 vernac 9-7 N:E, closing arnts G (Poor)

No room, gotta run. Goodbye! LXIII Fred Heutte Jr 1600 Newton St NE Washington DC 20018

Due to the pressure of other matters David Potter, the regular editor of this section of LR, asked to be excused this month so your Distributing Editor is filling in. This is my first effort in this area, so your patience is requested.

- 6209.4 INT'L WATERS, RNI. 0145 EE talk, pops, ID. Good 8/5 (Burlaw)
 6220 ENGLAND, R. Gemini (Hobby Pirate). 1000 EE ID, pop mx ann 9/2 (Martin-Europe)
- 6225 ENGLAND, R. Venus North (Hobby Pirate) 1330* testing 8/26. Off the air and will return in 3 weeks (Martin-Europe)
- 6230 PIRATE. R. Gemini. Noted 8/26 at 1009 tune with pop mx program and clear ID's. This is 3rd freq. noted in recent months, after 6220, and 6235 kHz. (Calkin-Spain)
- 6237 HOLLAND, Time Radio. (Pirate) 0920 EE/DD. Bob Fleming show, JSL in two weeks, should reach state-side, 225 watts. (Martin-Europe)
- 6239.5 CLANDESTINE, R. Libertacao. 0735 Spirited talks in PP by YL. Good 7/30, 7300 no longer active. (Burlaw)
- 6240 UNIDENTIFIED. 0728 fast PP talk 8/11 (Eichenhorn) See item above MRL
- 6250 N. KOREA, R. Pyongyang. 1227 KK ON all talk, some piano mx. G 9/3
- 6288 CHINA, RP. CC talks to 1054* F-3 (Estes) (Poor)
- 6340 TURKEY, Ankara Turkiye Polis Radio, Ankara. Turkish and western mx until 22 second s/off, ann at 1758. Good 8/22 (Calkin-Spain)
- 6955 CHINA, RP. Poor at 1142 in lang. (Estes)
- 7065 ALBANIA, R. Tirana. 0510 FF, mx F-G 8/15 (Eichenhorn)
- 7102.1 UNIDENTIFIED. 0752* EE closing announcement VP 8/12 (Burlaw)
- 7102t N. VIETNAM, VoV. 1030 VV talks P-F (Estes)
- 7105 N. VIETNAM, VoV. 1200-1230. VV ID, mx and NA 1230 G 9/5 (Mayer)
- 7105 FRANCE, ORTF. 0435 333 8/25 (Schwartz) Details? MRL
- 7120 CHINA, RP. #0300 s/on EE prog for NA (Jordan, Austin) #0000 SS (Earhart)
- 7130NF PORTUGAL, DW Sines. 0540 Czech nx ex 11865 9/2 (Padula-Australia)
- 7135 MONACO, R. Monte Carlo. 0630 FF pops, ann. Rarely heard here and not to be confused with ORTF same freq. until 0615 8/25 (Padula-Australia); 0540 FF talk by man, 0600 music box IS, ID (Heutte)
- 7135 FRANCE, ORTF. 0520 EE nx to Afr. Fair 8/4 (Burlaw)
- 7145 PORTUGAL, R. Free Eur. 0500* ID in lang followed by freq. F 8/24 (Burlaw). Could this also be W. Germany? WRTH says same freq. assigned to both Portugal and W. Germany-MRL
- 7155 PHILIPPINES, VoA Tinang. 1515 CC talk pops. F (Boyd)
- 7155 JORDAN R. Amman. 0400 AA ID, mx. Good. (Estes, Burlaw, Austin)
- 7165 RYUKYU ISL, VoA Okinawa. 1059 IS, ID EE nx (Austin)
- 7170 NEW CALEDONIA, ORTF. 0630-0730 FF talk, mx //11710 mixed w/VoA (Burlaw, Boyd)
- 7175 SICILY, RAI. 0515 II songs, some US oldies Italian DJ (Burlaw)
- 7180 POLAND, R. Poland. 0620 Polish ann, pop songs. Long path (Padula-England, BEC. #0300 EE to E Afr. Good (Jordan) Australia)
- 7185 ENGLAND, BEC. #0300 EE to E Afr. Good (Jordan) Australia)
- 7190 DAHOMEY, Rdiff du Dahomey. 0623 native mx, vern talk. F (Earhart)
- 7190 CHINA, RP. 1035 CC talks and mx. Poor (Estes)
- 7190.3 PORTUGAL, R. Free Eur. 0540* ID in lang "Radio Europa" G 8/24 (Burlaw) Could this also be W. Germany? WRTH says same frequency assigned both Portugal and W. Germany-MRL
- 7195 LIBERIA, VoA M'rovia. 0530-0540 EE nx, talk 8/12 (Nebron)
- 7200 ENGLAND, VoA Wofferton. 0246 Breakfast show 9/2 (Hewitt)
- 7205 MALAGASY REP., R. Ned. 0025 EE ntx to SE Asia //9605 423 (Zilmer)
- 7205 ZAIRE, R. Lumbumbashi. 0440. FF talk, Afr mx. P 8/8 (Burlaw)
- 7210 SENEGAL, Rdiff du Senegal. 0700 FF talk, ad 444 9/1 (Schwartz). Coral mx 0750, FF nx, ID "Radio Dakar" 0800, IS to 0801* (Burlaw, Champagne); 0600 ID "Voxnes en ecoute de Senegal" (Heutte)
- 7215 IVORY COAST, RTVI. 0615-0640 FF talk, mx. VG 8/5 //11920 (Burlaw)
- 7215 BRUNEI, R. Brunei. 1315-1400 EE nx 323 (Nebron)
- 7220NF TUNISIA, Rdiff Tel Tunisienne. T/in 0630-0728 f/out. AA talk, mx G-E 8/18 //6190, 11970. First noted V. Jaar Aug LR (Burlaw)
- 7225 ENGLAND, BEC. 0430 AA Svc., talk, mx ARO QRM 8/30 (Wallace)
- 7225 MOROCCO, RTVM, Sebba Aloun. AA ballads 0645, AA nx 0700, via long path, f/out 0800 (Padula-Australia)
- 7225 W. GERMANY, DW. #0315 Swahili to Afr.; EE to Afr #0430 (Jordan)
- 7225 PHILIPPINES, FEBC. 1220-1230* EE Rel prog 8/15 (Nebron)
- 7230t SPANISH SAHARA, R.S. Definate SS here, het w/stn on 7231. Nx in SS 0730, off inadvertently 0731 and abrupt 0749* VR 8/14 (Burlaw)
- 7230 ENGLAND, BEC. 0130 Ann. as EE transmission in Eastern Svc. (Earhart)
- 7234.1 NIGERIA, Enugu, ECSECS. 0530 EE nx. Excellent 8/24 (Burlaw)
- 7245 ANGOLA, Em Official. 2145 classical mx, PP ID G-F (Austin, Miller, Burlaw)
- 7250 AUSTRIA, ORF. 0400 ID, freq. GG nx. E 8/16 (Burlaw) (Burlaw)
- 7260 E. GERMANY, RBI. 2304 EE talk; GG HS 0105-0121*; 0400 GG nx (Eichenhorn, Schwartz, Burlaw)
- 7265 W. GERMANY, SWF. GG mx and talk, ID 0540. Fair 8/19 (Burlaw)

- 7270 MOROCCO, VoA Tangier. 0500-0520 EE Breakfast show (Nebron)
 7270 S.AFRICA, RSA. 0429* EE program. 322 8/25 (Schwartz)
 7275 ITALY, RAI. #0415-0425 ID, II talk (Eichenhorn, Wallace)
 7275 NIGERIA, VoN. #0600 EE nx, cmntry, mx (Lineback, Wood, Burlaw, Wallace)
 7290 MONACO, TWR. 0650 EE rel. program G 8/22 (Boudreau)
 7295 GREECE, VoA Kalava. 0520-0530 EE talk, mx. Fair 8/19 (Lineback)
 7295 MALAGASY REP., R. Ned. r/in 2020-2100 FF to Afr. 8/9 (Burlaw)
 7300 ALBANIA, R. Tirana. #0100 SS nx, mx #0130 EE prog. (Fino, Hewitt)
 7310 USSR, R. Moscow. 2300 EE nx; 2300 SS. Poor 8/24 (Burlaw)
 7345 CZECHOSLOVAKIA, R. Prague. #0200-0300* SS nx, mx; #0300-0400* EE prog.
 (Fino, Garris)
- 7390 USSR, R. Moscow. 2150-2230 EE nx, mx. RR Mayak @2230 (Estes, Eichenhorn)
 7400 USSR, R. P&P. 2330-2400 RR; 0000-0030 EE ID, IS, into nx. (Earhart)
 7470 CLANDESTINE, Liberation R., N. Vietnam. 1100 EE nx and talks. Good
 signal but heavily jammed //10010. (Estes)
- 7504 CHINA, R. Peking. 1140 CC talk //7520 P-F (Estes)
 9009 ISRAEL, IBA. 0500-0530 EE nx and cmntry. Poor. (Brown)
 9022 IRAN, R. Iran. 2000 EE nx and mx. Good. (Estes, Ronda)
 9340 CHINA, R. Peking. 1115 talk in lang. 322 (Zilmer)
 9365 CHINA, R. Peking. 1120 talk in lang. 352 (Zilmer)
 9375 RSPSR, Khabarovsk. 1130 talk and mx lang. 333 (Zilmer)
 9390 CHINA, R. Peking. 1125 talk in lang. 453 (Zilmer)
 9410 ESPANUMEROS. 0518 mechanical but smooth YL in SS with "Atención
 044-77" over and over; 0520 begin 5-digit SS cipher groups, 77 of
 them, to 0528 "final, final" and off. 54554 SINPO; BBC barely
 audible at the time. (Hauser)
- 9455NF N. KOREA, R. Pyongyang. 1200 EE; RR 1100 & 1400. Good (Behr); #1003-
 1052* EE nx to the Americas. Excellent 9/2, 9/3 (Castello, Ross)
- 9460NF FRANCE, ORTF. 0315* FF to NA 444 8/22 (Schwartz)
 9475 A.R. of Egypt, R. Cairo. 0130 SS ann, mx; 0200 EE nx, cmntry (Fino,
 Rowan, Brown)
 9480 ALBANIA, R. Tirana. 2203 EE nx (Garris)
 9490 ALBANIA, R. Tirana. 2030-2044 EE nx, ID, Cmnty RTTY QRM (D'Angelo)
 9505 JAPAN, R. Japan. #1200 EE nx. Poor 8/1 (Eichenhorn)
 9505 DOMINICAN REP., RTV Dom. 0130 SS ID, mx. F-G level (Calkin-Spain)
 9505 PORTUGAL, R. Free Eur. 0525 talk in Bulgarian, mx. Good 8/3 (Burlaw)
 Could this also be W. Germany? WRTH says same frequency assigned
 both Portugal and W. Germany. (MRL)
- 9510 VENEZUELA, R. Barquisimeto. 1145-1335 w/time chks, rock mx, ads
 (Estes, Ronda, Zilmer, Miller); Via long path w/nx @ 2300, mixed with
 USSR co-channel 8/25 (Padula-Australia)
- 9510 INDONESIA, RRI-Ujung Pandang. Now on this spot for evening broadcast
 very strong 1130-1200, Indonesian vocals; normal s/off has been
 0830* 8/14 (Padula-Australia) // (Tuchscherer, Perdue)
- 9515 MEXICO, LV de la Amer Latina. 1400-1500 f/out SS talks, ads ID
 9515 TURKEY, VoT. 0650; 2025; 2142. AA chants, mx. (Boyd, Estes, Earhart)
 9515 N. KOREA, R. Pyongyang. 1100-1151* JJ prog w/NA at s/off (Behr)
 9520 PERU, R. La Cronica. 1755-1805 SS talk, ID. F 8/22 (Burlaw); LA mx,
 ads, ID 0000-0205 (Leonhardt, Ronda, Zilmer)
- 9520 PAPUA, NEW GUINEA, VLTO. 0645 EE nx, sports. (Rowan, Eichenhorn)
 9525 INDIA, AIR Aligarh. 2205 EE nx, cmntry. Poor. (Wood)
 9525NF CANADA, RCI. 0100-0158* EE to NA. //6085, 15190 (Behr)
 9535 SWITZERLAND, SEC-Beromunster, 2246, II talk. This is a different
 transmitter site than the ones to NA (Scharzenburg), per ITU (Boyd)
- 9535 SWITZERLAND, SEC. 1805-1812 classical mx, GG ID (Burlaw); 0150
 ss nx (Ronda, Rowan, Guarducci)
- 9535 INDIA, AIR. 1225-1235 EE prog. nx. 322 (Zilmer)
 9540 POLAND, Polish Radio. EE nx 1830. Good 8/9 (Burlaw)
 9540 CZECHOSLOVAKIA, R. Prague. 0355 EE ann and ID. (Jordan, Guarducci)
 9540 NEW ZEALAND, RNZ. 0650-0710 EE (Rowan)
- 9545NF LEBANON, R. Lebanon. 0130 FF; 0200 AA; 0230 EE (Behr)
 9545 GHANA, R. Ghana. 1959 EE talk, mx. Good. (Garris)
 9545NF W. GERMANY, DW. 0630-0650* GG nx for Afr., ex 21540 (Padula-Australia)
 9545 SOLOMON ISLANDS, SIBS Honiara. VG level, local police messages in EE
 at 0245 to s/off 0300 w/ID. Schedule now extended for this freq.,
 former s/off 0245. Full Schedule: 2130-2345; 0115-0245, but doubt
 this would be heard outside Pacific area. (Padula-Australia)
- 9545.5 BRAZIL, ZVS 43 R. Universo. 0200 PP sports 9/6. New name for Radio
 Emis Paranaense since 1970. (Behr)
- 9550 CUBA, R. Havana. 0050 SS talks by YL. Good. (Jordan) Burlaw
 9555 LIBERIA, ELWA. #1910 IS, FF ID; 1930-1945 Vern. to W.Afr. (Leonhardt
 9555 PHILIPPINES, VoA Poro/Tinang. 1300 CC English lesson (Miller)
 9555 MALAGASY REP., R. Ned. Closing ann in EE s/off 1950* P 8/26 (L'hardy)
 9560 JAPAN, R. Japan. 1630 EE "Let's Learn Japanese" Good 8/12 (Dolyak)
 9570 AUSTRALIA, RA. 0715 EE nx. Excellent 8/12 (Burlaw)
 9570 NIGERIA, RTV Kaduna. 0550 EE ID Afr. mx. Fair (Wood)

- 9570 QATAR, QBS Doha. Apparently runs to late sked now, AA nx 1930 after time sig, s/off noted 2031* 8/25 (Padula-Australia)
- 9570 ROMANIA, R. Bucharest. 0300 nx, sports folk mx. Good. (Brown)
- 9570 CHILE, R. Portales. 1100-1200 SS mx, talk. Fair. (Dolyak, Zilmer)
- 9575 ITALY, RAI. 2030; 0104 EE nx, mx (Tuchscherer, Robins); II 1120
- 9579 CHILE, R. Portales. SS talk, mx, ID 1915. (Burlaw) (Guarducci)
- 9580 AUSTRALIA, RA Shepparton. 1115 EE features, mx. Exc. 8/16 (Dolyak)
- 9580 ASCINSON ISL., BBC. 2145 EE nx, sports. Fair 8/1 (Dolyak)
- 9580 ZAMBIA, Lusaka. Very strong signal 8/28. S/on EE to Mozambique. (Davis) time? MRL
- 9580 PHILIPPINES, VoP. 0845-0945 EE (Rowan, Jordan); 1740-1800 EE nx. (Nebron, Guarducci)
- 9580t A.R. of Egypt., R. Cairo. 2100 AA chants, wipe out #2200 BBC (Champagne)
- 9585nF FINLAND, FBC. Finnish anncs, pop mx to NA 0335-0400. Ex 15185, and new time, ex 2300-0000 9/2 (Padula-Australia)
- 9590 CHILE, R. Pres Balamaceda. 0015 SS talk. 422 (Zilmer)
- 9590 NETH. ANTILLES., R. Ned. 0300-0320 SS talk, features. (Jordan, Kelleher)
- 9595 BRAZIL, R. Cult do Bahia. 1315-1332 PP ID, ads, mx. Good 8/4 (Burlaw) Tentative 1946-2000 P on 8/21 lang could be PP or SS (Perdue)
- 9595 JAPAN, NSB. 0920-1100. JJ talk by YL & OM (Gendron, Rowan)
- 9595 W. GERMANY, R. Free Bur., Munich. 2230-0045 Polish ID "Polska Radia Wolna Europa" Excellent 8/23. Site verified via QSL with site stated. (Leonhardt); Polish ID, nx 0500 (Heutte)
- 9660 MEXICO, Univ Nac de Mexico. 1130-1300 SS talks, ID, Classical mx (Leonhardt, Dolyak)
- 9605 MALAGASY REP., R. Ned. 0025 EE ID, nx. 422 (Zilmer)
- 9610 AUSTRALIA, ABC Perth VLW9. 1300-1340 EE nx, wx, sports (Many)
- 9615 PHILIPPINES, PBS, Manila. Relay MW outlet DZFM 710, 0800-0900* time check and MW call announced. Believe to be best, and noted regularly since 8/12 (Padula-Australia)
- 9615 MOROCCO, R. Diff Tel Marocaine. 1830-1900 IS, AA ID (Burlaw)
- 9618.5 MOZAMBIQUE, RCM. t/in 1325 PP ID, mx. Good 8/25 (Burlaw)
- 9620 S. VIETNAM, VTVN. 1527 VV talk, mx. Poor. (Boyd)
- 9620 YUGOSLAVIA, R. Belgrade. 1815-1829 IS, ID in lang. Poor 8/13 (Burlaw)
- 9620 UNIDENTIFIED. FF pops, pips every 5 sec. TC in FF to 0659:55, five normal pips, ID "Radiodiffusion Television...." Good 8/12 (Burlaw)
- 9625 CANADA, RCI. 1200 EE7FF Northern Svc. Nx, sports (Fino, Dolyak)
- 9640 PORTUGAL, Adv. World Radio. 0500 EE nx, DX prog (Sun only) (Champagne)
- 9640 S. KOREA, R. Korea. 1007-1120 EE nx, features (Lineback, Rowan, H'ster)
- 9645 COSTA RICA, Faro del Caribe. 1350 f/out SS ID (Burlaw); EE 0400 (Brown)
- 9645 VATICAN, Vatican R. 1945-2000 FF into Polish, rel mx. (Fino)
- 9655 BELGIUM, RTB. FF ID 2235, EE 2250. Poor. (Robins)
- 9655 SYRIA, R. Damascus. 1930-1945 EE nx, classical mx. Fair. (Mayer)
- 9655 W. GERMANY, DW. 1810-1852* Turkish, IS, nx, mx 8/9 (Tuchscherer)
- 9660 USSR, R. Vilnus. 2255-2300 EE freq & ID, into R. Mos s/on (Zilmer)
- 9660 VENEZUELA, R. Rumbos. 2027-2100 f/out; 0310 SS ID, ads, mx (Fino, Eichenhorn, Tuchscherer). Noted 1050 (Wallace)
- 9665 BRAZIL, R. Nac Brasilia. 0815-0831 PP folk mx, ID (Padula-Australia)
- 9665 SWEDEN, RS. 0200 EE talk. This station comes in good once about every two weeks, other times I can't raise a carrier, both on this freq and the ones to WCNA, what gives.... I have urge to mail them some Milk-of-Magnesia so they can become regular, hi (Boyd)
- 9665 BELGIUM, ORU. 2220-2250 FF/DD talk mixed mx. Fair 8/17 (Fino)
- 9675 MONACO, TWR. #0825 into Hungarian. VG 8/4 (Wootten-Morocco)
- 9675 BRAZIL, R. Diario da Manha. 1000 PP coke ads. Good. (Robins)
- 9675 JAPAN, R. Japan. 1045 EE nx. 343 (Zilmer)
- 9680 FRANCE, ORTF. 0520-0545 EE "Paris calling Africa" (Burlaw, Robins)
- 9685 AUSTRIA, ORF. 1948-1959* GG Osterreich magazin, 422 8/18 (Schwartz)
- 9690 ARGENTINA, RAE. EE ID & sked 0600, mx Exc 8/1 (Burlaw); SS talk mx, 0415-0450 (Kelleher). Noted 0005 9/2 (Calkin-Spain)
- 9690 W. Germany, DW. 2252-2300 PP to Brazil. Good 8/17 (Fino)
- 9695 S. AFRICA, RSA. 2320-2340 EE nx to NA. Good. (Jordan)
- 9695 AUSTRALIA, RA. 1203 CC ID, mx. (Austin) /9/2 (Padula-Australia)
- 9700nF USA, AFRTS Delano. EE nx to FE 0505. Severe QRM R. Sofia and DW
- 9700 BULGARIA, R. Sofia. 1933; 0400-0430 EE DX prog, nx, mx. (Fino, Miller, Kelleher, Jordan, Guarducci)
- 9706nF NETH. ANTILLES, TWR. 0220-0330* SS rel prog QRM VoA, R. Mex. (Behr)
- 9705 MEXICO, XERMX, R. Mexico. 0030 SS nx, sports, mx. Good. (Dolyak)
- 9710 ITALY, RAI. 2350 II ID, mx. Good (Kelleher) 1125 II (Guarducci)
- 9715 HOLLAND, R. Ned. Lopik. 2150 EE, mx prog. Good. (Sarhart)
- 9715 NETH. ANTILLES, R. Ned. 0830 EE to NZ/Au "His & Hers" Exc. (Dolyak); 0200-0300, 0500-0530 EE to NA. Excellent (Jordan)
- 9738nF IRAQ, R. Baghdad. 2000-2015 EE talk, rock mx. ID freq ann as 9735, GG noted 2020. ex 9745, 9990 (Burlaw, Behr)
- 9740 CZECHOSLOVAKIA, R. Prague. 0304 EE nx and press report (Castello)

- 9750 SWITZERLAND, SEC. 2010-2030 PP; 2030-2055 SS. Good 8/18 (Fino)
 9755NF INDIA, AIR Delhi. 2020 EE to W Afr. ex 9515 8/26 (Padula-Australia)
 9760 GREECE, VoA Kalava. 2120-2205 EE to Eur, nx (Boyd, D'Angelo)
 9765 ENGLAND, BEC. 0201-0230 SS talk, pop mx. Good. (Kelleher)
 9765 W. GERMANY, DW. 2105-2120 EE, feature F-G (Earhart)
 9770 AUSTRIA, ORF. #0200 GG talk; EE "Report from Austria" 0330 (Kelleher)
 9770 AUSTRALIA, RA. 1537 EE pops. F (Boyd) Custodio)
 9770 HAITI, 4VEH. 1350 EE rel prog. P-F (Burlaw) 1615-1700 (Earhart)
 9770 RSPSR, Vladivostok. #1430-1530* Special prog in RR for Soviet
 fishing fleet. Usually good signals, occasional QRM Melbourne s/on.
 Announcement at start "Govorit radio stansi isi okyan" // 9780,
 replaces 11870/12010. (Davis)
 9780 RSPSR, Blagoveshchensk. #1430-1530* Special prog in RR for Soviet
 fishing fleet. // 9770 (Davis)
 9780 ALBANIA, R. Peking. 0330 -0345 EE propaganda (Kelleher, Custodio)
 9820NF N.KOREA, R. Pyongyang. #1400-1450*FF & #1500-1550* FF. Heard daily
 now. // 11535, 15630. (Davis)
 9833 HUNGARY, R. Budapest. 0100-0130 EE to NA. F-G (Jordan)
 9840 AZERBAIJAN SSR, Baku. 1350-1400. Comntry, nx in Azerbaijan, ID 1400,
 into Farsi with nx. QRM Hanoi 9840.5 8/17 (Padula-Australia)
 9850 A.R. of Egypt, R. Cairo. 0240-0257 AA mx. Good. (Kelleher)
 9912 INDIA, AIR Delhi. 2215 EE drama, nx 2230* 232 (Cwikla)
 9940 CHINA, R. Peking. #1430-1455* in Indonesian. Daily prog. Good (Davis)
 9965 CHINA, R. Peking. #1400-1525* Daily prog in JJ. Good signal (Davis)
 10010 CLANDESTINE (N. Vietnam), Liberation Radio. 1100-1121 EE ID, nx "The
 Voice of the Provisional Revolutionary Gov't of S. Vietnam" (Estes,
 Wood)
 10539 ISRAEL, IBA. #0345-0412* into RR nx. (Padula-Australia)
 10530 KAZAKH SSR, Alma Ata (QTH per WRTH) 1201 RR OM & YL read nx (Miller)
 11515 CHINA, R. Peking. #1600-1655* #1830-1925* Daily programs in AA.
 usually fair. UPE QRM. (Davis)
 11532 ESPIONAGE. Numbers station. #1500 instr. mx 1505 SS 4-digit numbers
 by YL #1400 on Wed.; #1530 on Sat. Often good (Behr). Noted here in
 Indiana today 9/15 1530-1600 with poor signal but readable (Leonhardt)
 11535nf N.KOREA, R. Pyongyang. t/in 1400-2150* also #2300-2355*. Good signal
 to about 1700; fading to poor 2355. Program is:
 1400-1550 French; 1600-1655 Russian)
 1700-1755 Korean; 1800-1855 Russian) to Europe
 1900-1955 French; 2000-2150 English)
 2300-2355 English to SE Asia (Davis)
 Also noted 1400-1550 FF and 1600 RR (Behr); EE 2140-2150 good level
 (Galkin-Spain)
 11620 INDIA, AIR. 2020-2115 EE nx, mx and talks. Poor. (Estes) Also noted
 2200 at excellent level (Calkin-Spain)
 11623v PAKISTAN, R. Pakistan 2050-2100* EE Watergate nx 322 8/17 (Schwartz)
 11628 PAKISTAN, R. Pakistan. #1800 w/ID lcl mx, EE nx 1815 (Straus)
 11630 A.R. of Egypt, R. Cairo. AA talks, some mx. Good (Wootten-Morocco);
 2116-2140 (Earhart)
 11650 CHINA, R. Peking. 1200 EE nx 9/3 322 (Zilmer) /Hewitt, Nebron)
 11650 BANGLADESH, R. Bangladesh. 1717-1800 YL ann, Hindi, orch mx (Zilmer)
 11672 PAKISTAN, R. Pakistan. 1726 EE nx 433 8/5 (Wootten-Morocco);
 1930* EE/Vern 333 8/12 (Schwartz); 2000-2115 EE nx, mx talk in lang
 (Burlaw); 2042-2110 EE ID by YL 8/27 (Hewitt, Zilmer, Earhart)
 11685 CHINA, R. Peking. #1130 SS nx. P-F (Estes)
 11690 USSR, R. Moscow. 0515 EE talk P-F 8/16 (Burlaw); 1855 EE (Austin)

o o o (MRL)

R.O. Box 239 Park Ridge, N.J. 07656 Telephone 201/391-7887



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- 11700NF? ISRAEL IBA 2015 EE, nx, off at 2045, G (Guarducci). Also rept 11705.
 11700 UNID 1128, AA mx, G (Estes). See RBI below.
 11700 GERMANY (DR) RBI 1150-1301 AA, AA mx, nx, 1230 LL, 1t mx, (Tuchscherer)
 11700NF MONACO TWR 1815 EE, ID then into lang, P-F (Miller)
 11700 VATICAN VR 1725 EE ID, mx, IS, followed by px in FF, P (Burlew)
 11705 JAPAN NHK 2245 EE after IBA s/off, YW cmntry, P (Eichenhorn)
 11705NF PAKISTAN RP 0110, amnts in Vern, Koran, //11885, (Padula-Australia)
 11705 ISRAEL IBA 2200 FF, 2245* w/NA, F (Eichenhorn); 0500 EE nx, F (Burlew)
 11705 SWEDEN RS 0330 EE, ID, nx, fading, P (Eichenhorn)
 11705 USSR Unid., RM IS 1730, then unfamiliar 9 note IS, then px in RR, F (Burlew)
 11710 NEW CALEDONIA ORTF 0856, 1034 FF, P (Rowan)
 11710 AUSTRALIA RA 1139 EE, G (Rowan)
 11710 ARGENTINA RAE 2335-2350* EE, cmntry, F-E (Garris, Ronda)
 11712-13.5v INDONESIA RRI 1115-1200 EE, nx, local mx, US pops, (Tuchscherer); 1230-1300 lang., mx, best after RA s/off, F-G (Zilmer, Lineback)
 11715 SWITZERLAND SBC 0145-0215 EE, then SS, 0345 II nx, E (Guarducci, Jordan)
 11720NF CHINA RP 0930-1025* EE, anti-American prop, F (Rowan)
 11720 CANADA CBC No. Svc. 0415-0430 EE, nx, ID, IS, into FF, F (Fino)
 11725 SRI LANKA SLBC 1635-1650, W in EE, very weak, (Hewitt)
 11725 JAPAN NHK 2345-0045 EE, nx, change from 17825, QRMed completely, (Zilmer)
 11725 UNID 1730-1800, old US pops, then nx in lang with many mentions of Papadopoulos, Greece? (8-19), F (Burlew). Bulgaria?-ed.
 11730 HOLLAND RN Lopik, 1840, 2125-2155 EE, nx, mx, G (Wood, Garris, Fino, Nebron). RN px are transmitted from Lopik, Bonaire, or Malagasy. Without local ID or up to date sched. it is difficult to know tx site.
 11730 NETH ANT RN 0200, 0500-0530 EE, mx, var px, G-E (Dolyak, Jordan)
 11735 BRAZIL R C de Goiana, 0215 with Bonaire off, Braz mx, ID by OM, P (Mayer)
 11735 MOROCCO RTVM 2130 AA, mx, F (Zilmer)
 11740 MALAGASY RN 1520*, NA only, G (Boyd)
 11740 AUSTRALIA RA 1000 EE, nx, (Rowan)
 11740 VATICAN VR 0105 EE, rel tlk, G (Garris)
 11745 ECUADOR HCJB 0000-0030 EE, Passport, ID, G (Dolyak, Fino)
 11760 CUBA RHC 0125 EE, 0310-0325 FF, nx, tlk, mx, P-G (Custodio, Fino)
 11765 AUSTRALIA RA 0900 EE, P (Rowan)
 11765 GERMANY (FR) DW 1515 EE, G (Rowan)
 11765 BULGARIA RS 2128 EE, mx, IS, F (Garris)
 11770 USSR RM 0101, 0450 EE, ID, tlk, nx, tlk on fishing, G-E (Austin, Burlew)
 11775 SPAIN RNE 0245 SS, tlk, G (Guarducci)
 11775 ROMANIA RB 2105-2128 EE, nx, folk mx, some Rom tlk, welcome repts, G (Fino)
 11780 ASCENSION IS BBC 2300 EE, drama, G (Jordan)
 11785 BRAZIL R Guaiba 0030 PP, ID, brief nx at 0100, tlk, little mx, (Boyd)
 11785 MALAGASY RN *1525 DD, ID, IS, G (Boyd)
 11785 NETH ANT TWR *2215 SS, tlk, G (Boyd)
 11790 AUSTRALIA RA 1200 EE, P (Rowan)
 11790 LEBANON RL 0230-0300* EE, nx, EE mx, mx in other langs, G (Fino, Hewitt); 0320-0328* SS, ID R. Nac. de Lebanon, tlk, s/off w/NA, E (Perdue)
 11795 LIBYA RL 2030 AA, North Africa mx, fanfare, ID as Huna Libya, G (Wallace)
 11795 ETHIOPIA ETLF *0300 RR, clk, P (Guarducci)
 11800 CANARY IS 2015-2045, 0330-0400 SS, SS pops, tlk, mx, ID, nx, F (Earhart, Hardester)
 11800 ETHIOPIA ETLF 0521-0526* FF, FF ID, gong and abrupt off, weak (Burlew)
 11810 ITALY RAI 0035-0059* II, into EE at 0100, F (Schwartz); 0135-0155 FF into EE, nx, amnts, sports, pop mx, G (Fino)
 11815 NETH ANT TWR *1205-1240*, 0030-0130* EE, rel tlk, ID, sched, G (Earhart, Rowan)
 11815 POLAND PR 0200, 0310-0355 EE, mx, var px, F-G (Fino, Dolyak)
 11820 MEXICO R Dif de Sonora 1415 mx, SS ads, to past 1700, F (Behr)
 11825 TAHITI RT 0305-0330 Tahitian, female vocals, M&W ann, //15170 E, F (Hardester)
 11830 IRAQ R Baghdad 2200 AA px to 2316* w/anthem, //17770, (Behr)
 11830 INDIA AIR Bombay 1005-1015* Verns, Indian mx, variety px, reopens on 11870 at 1030, (Padula-Australia)
 11830NF USA WINB 2215 EE, clk & mx to 2316* since 9-5, (Behr)
 11830 USA VoA Bethany 0415-0440 EE into FF, nx, cmntry, pops, ID, G (Fino)
 11830 CUBA RHC 0130 SS, tlk, LA dance mx, G (Dolyak)
 11830.5 CLAND VoMalayan Rev 1200 Malay or Tamil, G (Behr)
 11834.8 UNIDS 1845-1900 AA mx then machine-gun fire IS & nx in AA, het w/AA mx stn on 11835. Which is Sudan & which is Algeria? Both V7 8-26 (Burlew)
 11835-35.4v URUGUAY R El Espectador 0000, 0210-0230 SS, tlk, TC, IS on xylophone, ID, nx, F-G (Calkin-Spain, Eichenhorn, Burlew)
 11835 HAITI 4VEH 1320-1402*, EE, rel px, Mailbag, 2235-2245 SS, rel tlk, hymns, F (D'Angelo, Schwartz, Padula-Australia)
 11840 PORTUGAL RP 0215-0230 FF, tlk, amnts, to Canada, G (Fino)
 11845 HOLLAND RN Lopik 2300-0020 SS, Happy Sta px, P (Jordan)
 11850 GHANA RG 1910-1930 AA tlk, 1930-2045 EE, nx, mx, cmntry, F-E (many)
 11850 NORWAY RN *1900 NN, EE ID, 2300-2310 EE/NN nx, 0620-0630* EE, letter box, LL at 0630, P-G (Boyd, Schwartz, Perdue)
 11850 INDIA AIR 1225-1235 EE, prog sched, nx, F (Zilmer)

- 11850 USA UNR Bethany 0530 FF nx, 0545 EE nx, ex 11830, 8-25, (Padula-Australia)
- 11850 AUSTRALIA RA Shepparton 2210 EE, top 40, ex 15265, sched 2100-2330, (Padula-A)
- 11855 BRAZIL R America 0325 PP, mx, P (Guarducci)
- 11855 SAUDI ARABIA Jeddah 1820 EE, mx, Weak to poor, (Calkin-Spain)
- 11855 USA WYVW 0115 EE/SS mx from NY, F (Dolyak)
- 11860 CANADA RCI 0100 EE, nx, SW club, DX tips, c&w mx, F (Dolyak)
- 11862 ZAIRE R Lubumbashi FF t1k & ID, 1925, 0520, //7205, weak (Mayer, Burlew)
- 11865 SWITZERLAND 2115-2130 EE to Africa, F (Earhart)
- 11865 BRAZIL RC de Pernambuco 2040 PP, t1k, mx, ads, ID, reverb amts, F-G (Boyd, Estes)
- 11866-67v ZAIRE R Lubumbashi 1843, 0525-0600 FF, t1k, Af. mx, cheering crowds, (Padula-Australia, Boyd)
- 11870 SWITZERLAND SBC 2246* Lang, t1k, mx, NA, G (Boyd)
- 11880 TURKEY RT 2011-2030* GG, F (Schwartz)
- 11890 ETHIOPIA ETLF 0528-0545 EE, nx, rel px, P-F (Earhart)
- 11895 GERMANY (FR) RFE-Holzkirchen, Polish, pops, jammed, G (Boyd). Time?
- 11897 NIGERIA VoN 1840 EE, pops, ID, P (Wood)
- 11900 USSR R Kiev px 0050, 0330-0350 EE, RM at 0400 in EE to NA, 0300-0330 R Kiev in RR, various px, nx, mx, G (Robins, Jordan)
- 11900 USA VoA Bethany 0425-0430 EE to W Africa, px abt africa, G (Jordan)
- 11905 AUSTRIA ORF 1940-2055* GG, songs, 1t mx, DW comes on at 2058, (Tuchscherer)
- 11905 ITALY RAI 0247-0345 folk style mx, G (Kelleher)
- 11905 UNID 0815-0830 Asian mx then nx in SEA lang, weak, trans-polar fade, 8-21, (Burlew). Taiwan?-ed.
- 11905 GERMANY (FR) DW 0547-0605 EE, pops, jazz, ID, //9700, (Earhart)
- 11910NF AUSTRIA ORF 1937-2000* GG, disc. of Womens Lib in Austria, F (Schwartz)
- 11910.5 ALGERIA RTVA 1935 AA, mx, G (Burlew)
- 11915 ECUADOR HCJB 0715-0730 EE, rel px, F (Earhart)
- 11920 USA KEI 0345-0359 SS, ID, NF ex 15280, (Padula-Australia)
- 11920 IVORY COAST RTVI 1928 EE, ID by OM, amt 11915?, mx, F (Eichenhorn)
- 11920NF EGYPT R Cairo 1330 EE, YW/nx, cmntry, F (Eichenhorn)
- 11920 PHILIPPINES FEBC 1145, 0906 EE, //9505, rel px, P (Austin, Rowan)
- 11920NF BELGIUM RTB 2255-2315 EE, also 0040-0100, replaces 15235, QRMd, (Zilmer)
- 11924 NIGERIA VoN 0606 EE, OM w/nx, ID, P (Eichenhorn)
- 11925 SPAIN RNE 0210-0230 EE, nx, cmntry, W ann, SS mx, IS, ID, G (Fino)
- 11935 UNID 0535-0610 lang, class mx, live aud or tape thereof, G (Earhart). Portugal?
- 11935 PORTUGAL RP 0132-0200 PP, 0200-0220 EE, 0405-0430 EE, nx, mx, t1k, sched, IS, ID, (Fino, Jordan)
- 11935 PAKISTAN RP *2015 Turkish nx for Turkey, NF & new time ex 1900, (Padula-Australia)
- 11940 SWEDEN RS 0528-0545 EE, t1k, P (Eichenhorn, Rowan)
- 11940 ROMANIA RB 2114-2118 EE, G (Garris, Robins)
- 11940 LIBERIA ELWA 1915 EE, rel mx, F (Estes)
- 11940 USSR RM 1355-1400 SEA lang, IS, t1k, VP, bad polar QSB, (Burlew) Jordan)
- 11945 CANADA RCI 0020 SS, 0100-0200 EE, nx, letters, cmntry, SW club, G (Dolyak, Fino, /)
- 11945 ISRAEL IBA 0515-EE into FF, G (Ross)
- 11945NF INDIA AIR Bombay, GOS w/EE nx at 2300, ex 11895, G (Padula-Australia)
- 11955 SEYCHELLES FEBA 1745-1800* EE, ID, mx px, rel px, F-P (Champagne, Zilmer)
- 11955NF BELGIUM RTB *1545, with Afro-sounding IS, FF ID, t1k, African mx, Af Svc, F (Estes)
- 11960 ISRAEL IBA 0500-0515 EE, 0515 FF, nx, ID, mx, G (Robins, Eichenhorn)
- 11970 TUNISIA RTT 1930 AA, AA mx, amts, speech in AA w/applause, G (Calkin-Sp, Burlew)
- 11970 SWEDEN RS 2045 EE, Sat show to Far East, P (Zilmer)
- 11990 CZECHOSLOVAKIA RP *1730-1830 EE, 1830-1930 FF, 0145 EE, Monitor club, request for reports, AA begins at 1930, IS, ID, G (Fino, Custodio)
- 12000 USSR R Kiev *0030-0100 EE, t1k, pops, RR mx, ID, IS, G (Fino); RM 2315 EE, cmntry, //11900, both E (Burlew)
- 12012 USSR RP&P *0130-0200* SS, IS, ID, t1k, nx, LA mx, E (Perdue)
- 12020 USSR RM MAYAK px up to 1700 followed by FF nx, F-G (Estes)
- 12050 USSR RM 0015-0030 PP to Brazil, t1k, IS, ID, 0432-0437 EE, //15200, 0555 EE, t1k, 0600 EE nx, womens choir 0645, F-G (Fino, Jordan, Burlew, Eichenhorn)
- 12070 USSR RM 2030 EE nx, P (Burlew)
- 12074v N KOREA Pyongyang, 0400, 0900 SS, 1000 EE, G (Behr)
- 12074 UNID 1118 CC or SEA lang, no ID heard, VP, China Press Agency listed but possibly N Korea as above, (Estes)
- 12075 N KOREA Pyongyang *1600-1655 KK, 1700-1755 CC, 1800-1950 EE, 2000-2105 FF, 2200-2350* KK, F to 1800 then fading to poor (Davis)
- 12080-82v CLAND R Euzkadi 2028 IS, ID in SS, to 2257*, Nx, cmntry, no jamming until 2035 then heavily jammed. This is headphones only in Spain, F-P (Calkin-Spain, Robins, Davis, Burlew)
- 12115 CLAND Liberation R, Viet Nam, 2036 EE cmntry on arms, Cambodia, etc., slight break at 2041-2044 and tx went from Good to Poor, (Wootten-Morocco)
- 12175 ICELAND Reykjavik 1200-1300 Icelandic, ID at 1200, then nx, M&W ann, hymns & orch mx on Sunday, some QRM, best yet, (Martin-England)
- 12200 CHINA RP daily *1400-1445* Lang (Tamil) UTE QRM on strong signal, (Davis)
- 14987v CLAND Liberation R 1600-1657* VV, ex 15017, (Behr) hart)
- 15012-13v N VIETNAM VoV 1300, 1800 EE, 1435-1450 VV, nx, YW ann, P (Zilmer, Robins, Ear/)
- 15016-18v N VIETNAM VoV 1300-1345 SEA lang, t1k, polar fade, EE ID, t1k, time not given

- Also rept as Liberation R? and Unid (Burlew, Estes, Wood) Schwartz)
- 15060 CHINA RP 0015, 0209* EE, fulltext of 10th Party Congress ad nauseam, P-F (Rowan, /
- 15080 CHINA RP 0146 CC clk, F (Estes)
- 15084-4.4v IRAN RI *0425 modulation on abruptly, ID & ads at 0430 then relay of MW px, carrier on at 0420, 1845 Farsi, clk, mx, P-P, polar flutter, (Davis, Wallace, Burlew)
- 15100 USSR RM 0630 EE, nx, VP, // 15180 F, (Burlew)
- 15105NF MALAGASY REP RN Talata 2000-2120* FF, //17830, 15220, 11730, (Behr)
- 15105 JAPAN NHK 0500 EE, nx, F (Burlew)
- 15105 WINDWARD IS R Grenada 2100, with match between Antigua & Grenada, (Calkin)
- 15105 ASCENSION IS BBC 1732 EE, cmntry, P (Boyd)
- 15110 NEW ZEALAND RNZ 2250, 0440-0500 EE, pops, nat px, P in QRM (Earhart, Rowan, Burlew)
- 15110 PHILIPPINES ARTS 0145 EE, clk, mx, ID, TC, F (Austin)
- 15120 FRANCE ORTF *1730-2315* FF, various px, nx, mx, F-G (Earhart, Fino)
- 15120 SRI LANKA SLBC 1645-1700, 0230-0300 EE, rel px, mx, still some ID as Radio Ceylon, P (Tuchscherer, Zilmer, Robins)
- 15120 UNID 1330-1345* FF, s/off w/no anthem, IS never hrd before, 8-28 (Burlew) Peking?
- 15125 MEXICO R Mex 1400, 0125, 0225-0235 SS, ID, mx, F (Rowan, Hewitt, Dolyak)
- 15135 GERMANY (FR) DW 1415-1502 GG, band mx, nx, F (Tuchscherer, Earhart)
- 15135 BRAZIL R Panamericana 2345, 0145 PP, freq, ID, ads, mx, sports, //6055, F-G (Zilmer, Eichenhorn). Note ID rept 8-11 & 8-31 and see below.
- 15135 BRAZIL R Soc da Bahia 0100 PP, ID, sports, last day on freq. 8-30 (Behr, Heute)
- 15135 BRAZIL R Record, 2300 PP, Braz mx, ID, ads, freq of 9505 & 15135. Hrd daily since 9-1. Repts of R Panamericana wrong, R soc da Bahia here for 3 months, (Behr).
- 15145 KUWAIT RK 1815 EE, mx, QRM de VoA, F (Eichenhorn)
- 15150 CHILE R Corporacion 1150, 2300, 0130 SS, nx, (Zilmer, Cwikla, Padula-Australia)
- 15155 BRAZIL A Voz do Brazil 2205-2210, nx, (Padula-Australia); RD de Sao Paulo 2058 PP clk, mx, P (Eichenhorn)
- 15155 FRANCE ORTF 1045-1115* EE, 1425-1505 FF, mx, nx, features, //15295, F-G (Zilmer, Tuchscherer, Cwikla)
- 15160NF ISRAEL IBA 2000-2045 EE, nx, ex 15165, //11705, 15105, 15315, (Zilmer) 9-2.
- 15160 GERMANY (DR) RBI 2010 EE, nx mixed w/Algeria, P (Burlew)
- 15160NF ENGLAND BBC *1500 EE, IS, nx, E (Estes)
- 15165 ISRAEL IBA *1955-2045 EE, nx, clks, ID, (many before 9-1)
- 15165 DENMARK RD *1330, IS, ID in EE, then Danish to Greenland, F-G (Estes)
- 15170 TAHITI RT *1600 E, EE nx 1745 F, P by 2300 break, 0300-0700 tx good, FF, mx, //11825-E, 9750 QRM, 6135 E at 0630, (Burlew, Davis, Schwartz)
- 15175 NORWAY RN 1825, 2045 EE, 1955 ID EE/NN, nx, cmntry, P-G (Burlew, Eichenhorn, Boyd); NN to Aust/NZ 0700 NF ex 21655, QRM de Cairo, (Padula-Australia)
- 15175 INDIA AIR 1535 Hindi, Indian mx, P (Eichenhorn)
- 15176 MEXICO V de America Latina 1745 SS sports, G (Behr)
- 15180 USA KGEI 2100-2115 SS, Special tx for Mexican quake victims 8-30, (Nebron)
- 15185 FINLAND RF 1430 EE, letter box, mx, 2316-2330* EE, clk, ID, lang at 2330 on, Dolyak, D'Angelo)
- 15190 BRAZIL R Inconfidencia 0200 PP clk, mx, F on 9-3, (Behr)
- 15190 CONGO RTVC 1830, 1921-1923, 1735 FF, ID, Afro mx, G (Burlew, Schwartz, Champagne)
- 15195 GERMANY (FR) VoA Munich 1500, 1337 Polish, IS, EE ID, F (Cwikla, Austin)
- 15200 LEBANON RL 1902, EE ID into Lang. M w/ID & s/off, also clk by W, F (Austin)
- 15205 ENGLAND VoA Wooferton 1729 EE nx, folk mx, G (Boyd)
- 15215 PORTUGAL RFE 1742* RR, P, 2145* FF, F (Schwartz)
- 15220 NETH ANT RN 2145-2245 DD, 2235 FF, clk, mx, IDs, G-E (Earhart, Boyd, Fino)
- 15230 CUBA RHC 0545-0555 SS, clk, Cuban mx, P (Burlew)
- 15235 BELGIUM RTB 0053 EE, Belgium Speaking, //9655 not as good, G (Robins)
- 15240 GERMANY (DR) RBI 1410* GG, P (Schwartz)
- 15240 SWEDEN RS *1830-1900* EE, IS, ID, SCDX, G (Boyd)
- 15240 AUSTRALIA RA EE nx at 0600, G (Burlew)
- 15245 ZAIRE LV du Zaire 1930-1955 FF, ID, clk, Afro mx, F (Robins, Burlew)
- 15250 ROMANIA RB 1300-1315 EE, nx, cmntry, mx, F (Zilmer, Robins) (Earhart)
- 15260 USSR RM HS 1845-1910 RR, class mx, then time and musical ID, QRM Vatican s/on /
- 15260 VATICAN VR 1920-1935 FF, 1935 EE, rel px, F (Schwartz, Straus)
- 15260 JAPAN FEN 0543-0616 EE, W with px of US mx, (Hewitt) Eichenhorn
- 15265 AFGHANISTAN RA 1800-1826 EE, nx, disc of new government, pops, P-F (Wood, Ronda)
- 15280 USA KGEI 2343 SS, ID, G (Ronda)
- 15280 PHILIPPINES VoA 2335 EE, bx show, science digest, P (Cwikla) (Rowan, Estes)
- 15300 JAPAN NHK *1400 IS, EE ID, mx, 2200* in EE, JJ at 2215, //15105, 15195, F-G /
- 15305 SWITZERLAND SBC 1117 EE, nx to Africa, 2156 Lang, G (Rowan, Cwikla)
- 15310 BULGARIA RS 2100 EE, nx, cmntry, local mx, //11765, P (Zilmer)
- 15315 FRANCE ORTF *1800 FF, clk over Egypt, G (Boyd)
- 15320 MALAGASY REP RN 1218-1220 EE, nx headlines to W Australia, F (Zilmer)
- 15320 CANADA RCI 1910 EE, listeners corner, E (Boyd)
- 15320 AUSTRALIA RA 0610-0629, FF, old US pops, 0630*, VG (Burlew)
- 15325 CANADA RCI *1700 Polish, 1715 Czech, nx, cmntry, ID, F (Fino)
- 15330 USSR RM 1845 EE to Africa, mx, mx, G (Wootten-Morocco) (Burlew)
- 15334 PAKISTAN RP 0230-0235 lang clk, then local and western mx, 0246* w/out NA, F /
- 15335 COLUMBIA R Nac 0000 SS, pops, G (Dolyak)
- 15335 S KOREA R Korea 0259-0324 SS/EE, EE ID, nx, Korean mx, QRM, P-F (Perdue)
- 15345 ARGENTINA R Nac. 1815-1900 SS, mx, often good (Davis, Robins)

- 15350 CHINA RP 0215-0256* EE, //15060, 17855, (Behr)
 15350 NETH ANT TWR 2330-2345* GG, sermon, G (Schwartz)
 15350 LUXEMBOURG R Lux 1900-2025, 2118-2213, FF, FF/US pops, class mx, F-G, QRM de RRI
 in Aust., (Schwartz, Hewitt, Padula-Australia, Earhart)
 15365 CANARY IS RNE 0500* SS, G (Schwartz)
 15380 RWANDA DW Kigali *2025 GG, IS, GG ID, GG px, (D'Angelo)
 15385 CHINA RP *0000 SS to LA, G (Davis)
 15390 RWANDA DW Kigali 0920-1020 EE to Aust/NZ, NF ex 21540, (Padula-Australia)
 15410 USA UNR Greenville 1800 EE nx followed by FF, G (Kelleher)
 15410NF AUSTRIA ORF 0600 GG, nx to ME, ex 7245, bad QRM VoA Tangler, (Padula-Australia)
 15413a BRAZIL R Jornal do Comercio 0035 PP, futebol, several ID, F 8-31 (Gendron)
 R. C. Ribeirao Preto listed.
 Schwartz, Burlew
 15415 KUWAIT RK *1630-1900* EE, EE pops, rock, tlk, requests, G (Earhart, Garris, Estes,/
 15425 AUSTRALIA Perth VLM15 0700 EE, nx, G (Burlew) Tuchscherer, Mayer)
 15435 TANZANIA RT 1805-1945 EE/Swahili, EE ID, nx, tlk 1910-1930, Afro mx, P-F (Boyd, /
 15435NF GERMANY (DR) RBI 2152-2204* GG, mx, G (Schwartz)
 15440 PHILIPPINES FEBC 1520 EE, rel tlk, hymns, P-F (Miller) (many)
 15445-6v BRAZIL R Mac Brasilia 1530 PP, 2230-2330 EE, pops, features, 2145 PP, class mx, /
 15445 JAPAN NHK 2345, 0021 EE, nx, cmntry, het w/Brazil, P-G (Earhart, Rowan)
 15455 BANGLADESH RB *1230 EE, ID, nx, cmntry, //17690, P (Cwikla, Ronda, Zilmer)
 15460 USSR R Tashkent *1200 EE, nx, cmntry, P (Cwikla)
 15475 EGYPT R Cairo 1607 AA, chants, mx, P (Eichenhorn)
 15490 CLAND R Port Livre 1930 PP, IS repeated 4 times, ID by OM, nx by M&W, P (Poor)
 15495 UNID 1830 AA chants, mx, F (Estes) Perdue
 15520 CHINA RP 0014, 0150-0155* EE, s/off w/anthem, nx, tlk, P-F (Eichenhorn, Estes, /
 15522 BANGLADESH RB 1700 Lang, mx, tlk, //11650, P (Zilmer)
 15527a UNID Pakistan or Bangladesh 0135-0150 AA, AA chants, tlk, suspect Bangladesh up
 from RP QRM, F (Perdue)
 15580 MOROCCO TWR 1040 USB tx w/mx, nx in AA, (8-4), G (Wootten-Morocco). Feeder?
 15629-30v N KOREA Pyongyang two tx, *1400-1500* FF, *2200-2300 KK, -2355 EE*, F-P, Ute
 QRM, (Davis); 0400 SS also rept. (Behr)
 17655 EGYPT R Cairo 1345-1400, 0430* AA, 1745 EE, P-G (Schwartz, Robins, Earhart)
 17690 BANGLADESH RB 1230 EE, nx, P (Zilmer)
 17695 ENGLAND BBC 1520 EE to Africa, F (Estes)
 17700NF GERMANY (DR) RBI 1240* EE to SEA, (Estes)
 17715 CUBA RHC 1515, rumba mx, (Dolyak)
 17720 TAIWAN VoFC 0158-0249 EE, nx, cmntry, opera (CC), P-G (many)
 17725 PORTUGAL RFE 1755 Bulgarian, ID, M&W nx, P (Eichenhorn) (Tuchscherer, Calkin)
 17730 MALAGASY REP RTM 1550-1600* FF, closing smnts in EE/FF, NA, IS, mix w/ORTF /
 17730 FRANCE ORTF *1700-1845* AA, nx at 1800, F (Earhart)
 17745 EGYPT R Cairo 0632-0650 AA, chants, songs, F (Earhart)
 17745 JAPAN NHK 0200 EE, //17725, 17825, 15235, all F (Behr)
 17755t GERMANY (DR) RBI 1405, nx under RAI, P (Schwartz)
 17755 ITALY RAI 1402* II, G (Schwartz)
 17755 UNID 0305-0351, continuous old US pops, no ID, over sta in CC?, F (Earhart). HCJB?
 17780NF S AFRICA RSA 1553-1607 EE, 1700 DD, IS, ID, nx, F over Austria (Tuchscherer, Mayer)
 17790 ALGERIA RTVA 1800 AA, ID Huna Djazir, 2025 FF, nx, mx, G (Austin, Robins)
 17795 AUSTRALIA RA *0105-0230 EE, nx, various px, mx, G (Earhart, Nebron, Champagne)
 17800 NORWAY RN 1700-1800 NN, tlk, F-G (Kelleher)
 17815 SWEDEN RS 1419* EE, tlk, mailbag, F (Schwartz)
 17825 ALGERIA RTVA 2145 EE/Lang (AA?), lang translation of EE speech, F (Zilmer)
 17825 JAPAN NHK 0135 EE, G (Robins)
 17825 BULGARIA RS *1905 EE to Africa, G (Wood) (Perdue)
 17825 NORWAY RN 1400-1430 EE, DX px, G (Schwartz); 1500 EE/NN, EE ID, freq, into NN, E /
 17830 PAKISTAN RP 0330 chants, mx, 0430 EE, //15325, F (Behr)
 17840 CZECHOSLOVAKIA RP 2215-2227 PP, tlk, folk mx, P-F QRM, (Earhart)
 17840 SWEDEN RS 1230 EE, Sat show to FE, F (Zilmer)
 17850NF EQUADOR HCJB 1935-2045 EE, nx, tlk, mx, (Eichenhorn, Tuchscherer)
 17865 USSR RM 0500 EE, nx, Vladivostok list, P (Burlew)
 17880 AUSTRALIA RTVA 1820, 1915-1925, AA, AA mx, tlk by W, F, QRM de VoA, (Wallace, Burlew)
 17885 USSR RP&P 1430-1500 EE, cmntry, //15350, G (Mayer)
 17885 CUBA RHC 2115 SS, LA mx, nx, tlk, G (Dolyak)
 17885NF JAPAN NHK JJ/EE Lang lesson, F (Dolyak). Time please-ed.
 17900 VATICAN VR *1550 IS, bells, tlk in Afro lang, P-G (Estes, Mayer)
 17915 PAKISTAN RP 1530-1545 EE, nx at dictation speed, 0230 Bengali, F-G (Zilmer, Poor)
 18080 ENGLAND BBC *1430 EE/Hindi, ID, px in Hindi, G (Eichenhorn)
 21495 PORTUGAL RP 1940-1959* EE, nx, M&W, P in QRN, (Earhart)
 21570 NETH ANT RN 1825-1900 EE, Happy Sta., (Nebron)
 21645 FRANCE ORTF 1440-1500 FF, orch mx, tlk, F (Earhart) Heard in park under tree, SX
 21675 FRANCE ORTF 1945-2005 FF, class, pop, & vocal mx, G, /190 from auto Battery,
 chased by cops, (Earhart). Hang in there OM.
 21700 PORTUGAL 1925-1945 PP, Port classic orch mx, vocals, F (Earhart)
 21720NF AUSTRIA ORF 0615, GG to Asia, 0700-0800 GG to Aust. ex 15185, 21705, (Padula-Aust)
 21730 PAKISTAN RP Islamabad *0645 Urdu ID, then Koran, for India, (Padula-Australia)
 21740 AUSTRALIA RA *0055-0230 EE; 26040 USA VoA Greenville, 1730-1800 EE, (Nebron)
 73 for another month frm. Jerry A. Lineback.

FLASHSHEET

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OCTOBER - 1973

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AL NIBLACK, Editor, 420 Shelby St., Vincennes, Ind. 47591 DEADLINES: 15th & 26th Month

AUGUST 1973: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY. 9-7-73- 1-36, 2-28, 3-21, 4-28, 5-34, 6-40, 7-42, 8-40, 9-38, 10-27, 11-23, 12-0, 13-0, 14-0, 15-0, 16-0, 17-0, 18-7, 19-7, 20-7, 21-15, 22-10, 23-17, 24-22, 25-28, 26-38, 27-37, 28-47, 29-56, 30-64, 31-82

MEAN--25.6

PREDICTED: SEP-30 OCT-28 NOV-26 DEC-24 JAN-22 FEB-20 (Grady Ferguson, S.Car.) (Look at those zeroes in there, Editor!)

ANGOLA Em Official, 3375, here like a local 2310 in PP annets, light orchestra music. Really fine. (Dan Henderson, Md.)...3375 This one, Em Official, in at good lvl 2335-2345, pops and light music, man MCing in PP, on a Sunday. (Al Niblack, Ind.)...R. Clube Cabinda, 2230, with pop music prgm, faded out by 2245, poor strain lvl. (Dan Henderson)

AUSTRALIA 6090 VIA6, Sydney, 1315, world news by man, pops, two IDs, came in at poor to fair lvl. (Joe Helm, Ind.)...According to HCJB DX Party Line, RA will update their SW setuo at Shepparton with more powerful transmitters, more fqs, additional time. (August Balbi, Cal.)

BOLIVIA 4755 Em Bolivia from 0330, 9/18th, with Latin type music, news, talk, in Spanish. An ID at 0345, some QRM and QRN. (Joe Helm)

BELGIUM RBE, Brussels, heard on 9655, 2255-2315, and 0040-0100, with English prgm "Belgium Speaking". QRM from USSR outlet on same fqy makes for poor reception. And, the parallel fqy of 11920 is covered by Ivory Coast outlet, and reception is about impossible. (Bob Zilmer, Wisc.)

BRAZIL 3255 Unidentified, 0900 PP ads and music, strong lvl admist QRM, possibly is R. Assuncao, Fortaleza. (Ernie Behr, Canada)...15145 R. Jornal do Commercio, Recife, ZYK33, may be heard under RNE, Madrid from 2100...15190 R. Inconfidencia, Belo Horizonte, logged at 2200 with PP news...15135 A Brazilian from Sao Paulo is heard here, though definite ID has not been heard. Have heard mention of R. Nacional, Sao Paulo. Some claim that R. Sociedade da Bahia, Salvador, has moved here. Heard as early as 2100 and after 0200. Also, some QRM. Anyone has definite ID on this one??(Credit all to Bob Zilmer) (See MID-Sept. 1973 FS - Ernie Behr says is definitely Radio Record since Sept. 1st; and, Ernie is not easily fooled, is quite reliable, Editor)

BURUNDI 6140 La Voix de Revolution, Bujumbra, still observed S/on at 0330 with Rundi, into local music. DW splatter kills prgm details, usually. (Dan Henderson)

CAMEROON 5010 R. Garoua here from 2040 with excellent sigs on 9/18th. AA, FF, vernacular languages. (Dan Henderson)...3970 R. Buea, here on good African propagation days, until 2200 off with anthem--EE prgming apparently the last 15 minutes or so. (Dan Henderson)

CHILE 9571.5 Emisoras Diego Portales, with this ID since 9/18th, from 0030 music. ID as listed in 1966 WRTH, no longer, "Radio Portales".

COLOMBIA 3140 (See previous FS) In re the new one, seemingly reported as La Voz de Cincorder, a word of caution: La Voz de los Fundadores, Manizales, is a new name for Radio Sensacion, and heard anncing same fqy of 1570 khz, 1 kW, but is often heard on 2nd harmonic of 3139, first IDed wrongly as LV de la Cincorder. (DSWII via Don Jensen, Wisc.)

COOK ISLANDS (repeated from previous FS because of importance) 5049V Station ZK5, Rarotonga is reported at 0600 as heard in New Zealand. (Arthur Cushen, via Ernie Behr)

COSTA RICA Faro del Caribe, San Jose, TIPC, heard on the new fqy of 6175 at 1045-1115, with SS prgming and religious music. Possibly a move from 6037. (Bob Zilmer) (May be heard in our evenings too on the new fqy, though a severe hetrodyne also there, Editor)

CYPRUS 15420 BEC Relay S/on with Big Ben at 1800 in language. EE lessons at 1815, good lvl 9/17th. (August Balbi)

ECUADOR HCJB DX Party Line now on 1174/9560, at 0300 Tuesdays, at 0230 same fqs, on Fridays and Sundays; to Europe Mondays, Thursdays, Saturdays, at 1900 on 17755/15300. To Pacific 0930 on Mondays, Thursdays, and Saturdays, on new 6130, 9745, 11915; 6130 replaced former 5990. (August Balbi)

FINLAND Porzi has dropped their 2300 EE Prgm on 15185 because of WEM; are still on 15185 at 1400 and 1800 in EE. Though, at 0300-0330 they have EE on 9585. Reception is poor on latter fqy because of heavy QRM. (Bob Zilmer)

GERMANY(W) 6005 RIAS, Munich, noted at 1000 with old pops, YL hosting, with an ID. Fair lvl though QRM. (Joe Helm) (An awful amount of day light at transmitter site, Editor)

GERMANY(E) RRI heard on 15160 with EE to Africa from 2050-2045, then into language, at fair lvl. (Bob Zilmer)

INDIA 9525 AIR with EE news 2200-2210 to UK. Several parallels also heard, 11620 and 9912, both poor lvl; 11740 in EE to E., and SE., Asia, poor to fair lvl. And, 11710 at 2300 with sometimes fair sigs though often QRM de Argentina on 11710. (Bob Zilmer)

INDONESIA 4932 RRI, Surakarta, 1140 with YL in talk and music, 9/20th. (Dan Henderson)

ISRAEL IBA in EE from 2000-2045 on new 15315//15160. Is a move in fcy. (August Balbi)
 ...IBA is also using 11700, a new fcy, 2200 in FF, //11960, both heard well. (August Balbi)

LEBANON Beirut now on 9545, moved from 11790, but is buried under DW till 0250, clear ID at 0257, after DW S/off. Observed on 9/11th. (August Balbi)

MOZAMBIQUE 4925 IMR here most days between 0330-0400, with best signal from So. Africa in the 60 MB. Prgmng mostly U.S. pops, ads. (Dan Henderson)

JAPAN NHK—has a new address according to a letter from them:

Japan Broadcasting Corporation
 Jinnan 2-2-1, Shibuya-ku,
 Tokyo 100, JAPAN

(Grady Ferguson)

INTERNATIONAL WATERS (Please see previous FS) Radio Free America, 1160, not heard so far but 3 or 4 stations are mixing on this fcy at 0330. A large picture of RFA is now available from Dr. Carl McIntire, P. O. Box 190, Collingswood, N.J. 08108; donations are appreciated. (This FLASH from Ernie Behr)...(FLASH) Radio Free America began transmitting 9/19, at 1223 PM E.D.T. (1723 GMT, Raitor), 12 miles off the coast of Cape May, N.J. on 1160 kHz MW. I logged them from 2300 tune till 0214 GMT S/off, with reception here varying from fair level, due to QRM de WJJD, Chicago on same fcy, to good lvl at best. Power is 10kW. I logged this first on my SX-100, though was audible on my regular AM radios. A directional antenna is a big help! On Sept. 22, the Star - Ledger reported: "Rev. Carl McIntire is temporarily prohibited (9/21st) from renewing broadcasts from his ship...The FCC obtained a temporary restraining order in the U.S. District Court in Camden. October 1st has been set for a hearing on whether to make the restraint a permanent one. McIntire claims there are no federal laws barring offshore broadcasts, but the FCC said he must have a license if the broadcast interferes with any other station". Note: It appears a big challenge to R. Free America, finding a clear fcy. Also the FCC said that R. Free America caused QRM to KSL, Salt Lake City, also on 1160. So... Radio Free America is currently, at least, inactive. (End of FLASH from Ed Insinger, state of New Jersey)

MALAYSIA Surprised yesterday by a QSL for the BBC's Far Eastern Relay listing date, time, and frequency!! Also, very happy! (Ed Insinger)...BBC Relay, Tebrau, has EE news on 6195 //9740//11750, all observed at good lvl on 9/17th. (August Balbi)

MEXICO 15160 LW de la Am. Latina, 1700 SS talks on 9/15th, alternates with 15176 some days. (Ernie Behr)

NEW CALEDONIA 7170 Noumea heard daily at 0700 in FF news, //11710. (August Balbi)

NIGERIA Ibadan, NBC, 3204, noted 2255 with S/off anncts. Much Ute QRM. (Dan Henderson)
 ...3396 Kaduna at 0430 with Talking Drums IS, RBC in the background. (Dan Henderson)

NIGER 5020 Niamey here with surprisingly good lvl 9/18th, at 2150 until 2200*, with FF anncts and music. (Dan Henderson)

PAKISTAN RP, Karachi, tuned 9/19th, and heard with language anncts at 1315. A repeat of President Nixon's welcome to Bhutto and his reply. Language anncts and then had speeches from these two at the dinner. All in language! (Grady Ferguson)

PHILIPPINES 15440 International Svo of FEBC with EE news, ID, at 1530, fair. (August Balbi)
 ...9580 Radio Philippina now on this fcy regularly 0700-1905, most EE, some Japanese at times. Strong lvl, good prgmng. (August Balbi)

RHODESIA 3396 RBC here with excellent lvl, some QRM, news at 0401 in EE. (Dan Henderson)

SIBERIA LEONE 3316 SLES with ID at 2315, native music, EE, good lvl. (Dan Henderson)

STERNA (DR) 9505 Noted 0630 on 9/21st, with native music. Gave a TC and etc., in EE, plus an ID. This is the first time for me to note any EE. Fair lvl, bad QRM. (Joe Helm)

TAHITI 11825 Papeete at 0515 with pops, as well as other types. This was continuous, did not ID till 0330, then in FF. Reception was good. (Joe Helm)

TUNISIA 15226 RTVT, 2000-2333*, clear with AA prgm; is not Algeria as reported in the Sept. Log Report. (Ernie Behr)

TURKEY 11880 At 2100 the news by M&W, in AA. An ID, came in real good. (Joe Helm)

TURKS IS (FLASH) VS18 here 2126-2136 S/off on 9/14th; 2130-2200* on 9/15th, with EE anncts, pops recordings. Sometimes no ID at the end. (Dan Henderson) (4788)

VIETNAM (NO) Voice of Vietnam heard at 0100 in EE, news and propaganda. (Grady Ferguson)

VIETNAM (PT) 3668 Dili here for the first time noted this season at 1052 with PP YL announc, soft orchestra music, though heavy QRM. (Dan Henderson)

YEMEN (SO) Aden at 2200 S/off with AA ID, into anthem, sometimes squeezed by Ute. (Dan Henderson)

CLANDESTINE: An unidentified Pirate in the Philadelphia area, 7229, noted / Henderson till 0333*, a powerhouse, with Alice Cooper rock, dedications to YEs, admonitions "Not to study too hard", DJ Ids as, "Ron Taylor", weird S/off, poor fidelity, on 9/11th logging. (Larry Magne, Pa.) (End of FLASH item)...15275 R. Libertacao noted here since 9/13th, from 2240 with Afro music, anthem, till 2303*V, //6240, both at good lvl. (Ernie Behr)

GRAPHIC TIME TELLER: (Please see Mid-Month FS) The operating aid that was reviewed therein has had changes effected; the "kit" that was mentioned has been discontinued and an economy model has been substituted in its place. Price of Economy Model is \$12.50 PP from U-J Industries, 6605 Shoal Creek Blvd., Austin, Texas 78757.

NOTE: A number of reports were received for the FS, after the deadline, as we were closing out the work on the master sheets. We will use the reports in the preparation of the next FS, as they will not be outdated by then, being only a matter of two weeks hence.

Please try to get your reports here by the deadline. (GRACIAS)

ACKNOWLEDGEMENT: A sincere thanks to all who supplied material for this effort. Please note, FLASHES may be phoned to 812-882-3976, but must be phoned BEFORE 2000 GMT. Again, please note this important time change. Good DX

A VISIT WITH GEORGE PARTRIDGE

By Sara Stillman

(Ed. Note: George Partridge is well known to American DXers through his popular antenna design, the Joystick and accompanying tuning unit called the Joymatch. At this printing other Partridge equipment is being evaluated for sale into the American market, and we may look forward to perhaps a small box which will enhance the DX-ability of receivers. We are grateful to Sara for this opportunity to share her visit with Mr. Partridge, her friend and correspondent of several years.)

Broadstairs is on the Channel coast of England, about 70 miles due east of London. There is a Charles Dickens Museum there. And, this was the home of Partridge Electronics Ltd. Meeting with George Alfred Partridge was like the renewing of an old friendship!

I had not let him know I was coming, but instead gave him a ring from the "Salamander", a place where I had stopped for food and drink. George was just going home for his lunch when I called, but he asked that I come on over to the office in about 45 minutes. His office is in "Caister House" on a corner of Prospect Road, attached to other houses on the street as is common in England, and as mimicked in American townhouses today. A gentle, older man named Bill Edwards took me to the second floor to George's office. A bit later Bill brought us tea during the course of my visit.

George Partridge is a big, somewhat rotund, man, in his early sixties, six feet tall, with sandy hair. His greeting was so cordial, and he genuinely welcomed me. We sat for a couple of hours talking. His office is a small one with desk covered with stacks of papers spilling over to the floor at its side, varied electronic equipment piled all around. Yet, when he wanted a certain bulletin or letter, he went right into the pile and managed to pull it out unhesitatingly. Keen, intelligent, with an obvious professional understanding of all the electronic facets that have enabled him to develop the entirely new principle used in his Joystick and Joymatch. With his consent, I turned on my tape recorder during part of my visit, and following are portions of our conversation:

S: Tell me, do you manufacture your inventions here?

P: Well, not exactly. We subcontract to local contractors who do the actual manufacturing. And, we do all the administration, dispatch, packing and so forth from here.

S: Are many Joysticks used in England?

P: Oh yes! If we had just one tenth of the market abroad that we have here, I would be driving a Rolls-Royce instead of my Alsatian dog. (Dixy, his beautiful 7 year old dog was in the room with us constantly.)

S: Is there much shortwave listening in England?

P: Well, it depends on how you base it. We know the proportion of radio amateurs to shortwave listeners in this country is something like 12 or 14 to one. (With so many more amateurs in the U.S.) that is the market we'd like to get into.

Authors Note: At this point, Mr. Partridge related a couple of "bad" experiences with American sellers of SWL equipment who have represented his equipment in the past, resulting in a substantial loss to him. Concerning these, Mr. Partridge said:

P: From my knowledge of Americans, they're very nice people, but we seem to have got hold of the wrong ones.

S: Who is your present distributor in the States?

P: Gilfer. We have supplied them previously, and recently they picked us up again. We just sent a consignment to them by sea. It takes about five weeks, possibly longer; they must have the stuff by now.

Author's Note: On other subjects, Mr. Partridge continued:

P: I know one fine American, a good friend of mine - Bill Paschke. A Korean war veteran. Here -- I've got his picture. He's a very devoted short wave listener in Wisconsin. He was a sergeant -- about the only survivor in his outfit, suffering crippling injuries and is a paraplegic. He's a wonderful fellow.

S: Yes, Bill Paschke is well known in the States. (He is also a NASWA member - Ed.)

P: Bill devotes nearly all his time helping a program for other physically handicapped SWLers. People like Bill make us physically fit people feel very humble. Our office accountant also is a paraplegic. (Paschke's work is with SPEEDX's noble HAP program assisting Gene Moser, another handicapped DXer also. Ed.)

VISIT WITH PARTRIDGE ELECTRONICS, LTD (Cont'd)

S: Tell me, who made up the Joystick?

P: I'm the inventor, and I've invented a lot of things in my time -- mostly when I was in the Royal Navy. They'd not even say "thank you, very much"; just took anything you offered them.

S: But the Joystick is patented?

P: Oh yes, we have international patents.

S: How did you happen to pick the name "Joystick?"

P: I chose an easy-to-say name that falls off the lips. People are lazy-- and, the name "Joystick" comes easy - free advertising - and what name could be more descriptive?

S: So you were in the Navy?

P: Yes, after I left the Navy I lived here in Broadstairs, and there was no business; it was just after the war -- tremendous unemployment. This was about the worst place in the world to find a job. Also, I was in a bad way - had been knocked about a bit during the war. I had three years and four months without any leave, and I was in all the battles in the Mediterranean. I'm living on borrowed time. After the war I had a rough time for some years. Then I decided -- well, I do know something about something. So I picked myself up by the bootstraps and spent a year developing the antenna. I had to borrow money to get it moving.

S: It's a fascinating invention. Living in an apartment, as I do, it's very frustrating to know other people are pulling in so many countries -- and you cannot put an antenna on the roof.

P: I'm working on another invention now. This is the framework for the first prototype -- that is, for a miniature frame aerial. You see, the best receiver in the world is no better than its antenna. This new aerial will be sort of complementary to the Joystick. Development will take sometime, for you need a lot of capital to make the tools to build this up. It will be for the broadcast band. It will be a directional antenna. The Joystick, however, is not a directional antenna. This new one is also very sensitive. I've been carrying out tests with it -- there are two stations on the same frequency here on the broadcast band. One is a pirate station off the Dutch Coast - radio Veronica. The other is one of the new commercial broadcast stations in this country. They are on exactly the same frequency. With this new aerial, you can absolutely separate the two -- hear each without hearing anything at all of the other. Just turn the antenna in that direction and you've got IBA; turn it in the right-angle direction without touching the receiver at all and you bring in the other one. What I am trying to do is make this directional for shortwave and medium wave as well.

P: We are now selling something other than just Joysticks and tuners. We are using a Japanese receiver - I believe it is called Kenwood in the States - a very good set. (Ed. note: Mr. Partridge refers to the Kenwood R-599, a preselected receiver manufactured with direct dialing.) We combine the receiver with the Joystick and Joymatch tuner and have the Partridge Package, a complete amateur station. We operate by mail order and are doing very well. We also give a pair of headphones.

S: I'd like to get our conversation transcribed and perhaps print it in the NASWA bulletin, FRENEX - would that be all right?

P: Yes, surely. It may give a bit of publicity. It's surprising the number of people who write to say they have been looking all over, trying to find out our address.

S: There are so many SWLers and ham operators in the U.S. - many of whom live in cities where they can't put an antenna on the roof -- there must be a large market for the package or antenna.

P: Yes, that's true -- you call them cliff-dwellers, don't you?

S: Well, whatever it is, that's what I am.

P: You see, we have patents on the new principle demonstrated in the Joystick in all the countries in which we're really interested. Of course to finance a world program takes a lot of cash. And you don't get any assistance from the British tax authorities.

S: You once told me you had known the famous John Logie Baird.

P: Yes, John was a native of Helensburgh, Scotland, and the inventor of television.

A VISIT WITH PARTRIDGE ELECTRONICS, LTD - (Cont'd)

P: I met him when I was a very junior Naval Wireless Operator, and John and I talked more about Scotland than about wireless. I recall he demonstrated his thirty-line disc television to me and I afterwards built my own Baird television set. My impression of him was of a wireless fanatic, with long dark hair -- amateur radio QSL cards pinned all over the wall.

S: And, what is the Society of Wireless Pioneers you mentioned?

P: That is an American based organisation with membership mainly from professional or ex-professional wireless pioneer men, dating back to the days of Marconi. I was once approached by a fellow "Pioneer" to join, and if possible take over his office as U.K. representative. Regretfully, I had to decline the assignment because of increasing business commitments.

Authors Note: When I had to leave, Mr. Partridge walked me back to catch the London train, carrying the two Joysticks and Joymatch tuners I was bringing home. As he marked them "Free and unsolicited gift" I hand-carried them all the way to New York -- with no trouble from Customs. We said 'farewell for a space', and I thought of how much I would enjoy spending more time with him on another occasion. Sara Stillman.

HOW I ONCE SHAMED A WATCH INTO TELLING CORRECT TIME

By Edward C. Shaw

The Sears and Roebuck Timex I wore had always kept me in a constant state of exasperation until an old timer DXer living in California told me about a sure cure he had used to correct a recalcitrant wall clock.

I accepted his sage advice which merely suggested that I lay the watch in front of my short wave receiver speaker, in close proximity to assure optimum results. According to the old DXer's instructions I tuned in WWV as loudly as my family's health and my neighbor's ire would allow it. The theory is similar to that of a vibrating tuning fork which will set in motion another tuning fork of the same pitch through sympathetic vibrations. After three days of steady ticks, toots, and time tones the nearby watch was literally forced to sympathize in perfect cadence with WWV. To this day I have never had to reset my watch as long as it is kept wound.

**** TALL TALES CONTEST!! ****

I realize that the above tale may be difficult for some of you to swallow, and lately Headquarters has been wondering if perhaps others of you out there have had similar experiences worth sharing. Therefore, we believe a contest would be appropriate for the best DX Tall Tale. Everyone can enter. Simply type out or write legibly your tall tale, put your name and address on the same sheet of paper, and mail it to Ed Shaw, 621 Burleigh Avenue, Norfolk, Virginia 23505. Two other NASWA officers or editors will assist me in judging the three best tales submitted. Naturally, officers and editors in the club will not be eligible. Winners will receive nice, worthwhile prizes including a cassette tape of good quality Interval Signals. The First Prize Tale will also be printed in FRENDX. Hurry and get yours in this week! All participants will receive a NASWA QSL.

NEW BAND SURVEY AVAILABLE A survey of the 31 meter band, compiled by Mac Leonhardt, is now available from Reprint Manager Ed Shaw, 621 Burleigh Ave., Norfolk, VA 23505. Cost is 75¢ to members, \$1.00 to non-members.

Other items available from Ed Shaw are:

THE ART OF VERIFICATION, by Gregg Calkin	50¢
AFTER THE SUN GOES DOWN, by Ed Shaw (sunrise/sunset charts & how to use)	50¢
NIBLACK REPRINT BOOKLET, by Al Niblack (reprints of receiver & antenna articles)	50¢ (½ price)
90 METER SURVEY (last year's edition)	50¢
BROADCASTING IN PERU, by Richard Wood	10¢
THE BC-221 FREQUENCY METER, by Al Niblack	10¢
TIME CONVERSION CHART FOR NORTH AMERICA	SASE
NASWA JACKET EMBLEM	\$2.50
RECOGNITION OF LANGUAGES, by Richard Wood	SASE
SY-190 USER'S MANUAL, by Ed Shaw	16¢ postage on an SASE
AN EXAMINATION FOR DXers, by Ed Shaw	16¢ postage on an SASE
THE BEST OF LOUDENBOOMER	\$2.50

LISTENER'S



Dan Jamison
310 Roanoke Street
Apartment 21
Richmond, Virginia
23225

Deadline: 15th

SURVEY RESULTS - SPOTLIGHT, PART III Credits to the Spotlight go to "Numero Uno, SWBC Weekly", FRENEX, observations by other DXers and ye ed. * NEPAL It appears that Radio Nepal has not been reported in NA for the past few months. This may be due to the fact that RN is seemingly most widely reported during periods of good India subcontinental reception. These periods of good subcontinental reception usually occur between the months of late November and late January. Our chances for logging RN seem somewhat greater when there is a low sunspot count, RN has its 100 KW xmtr fired up on only one frequency, 5000. Victor Goonetilleke of Sri Lanka has observed RN during it scheduled periods fm 0020-0350 and 1150-1720. Victor also says that there is an English External Svc fm 1435-1520. We all know that 5000 is not a clear freq. WWV and WWVH provide the accompaniments. As Ed Shaw once said, "maybe we could ask WWV to move down a couple!" The Cambodian clandestine station, VNUFK, has been also noted on 5000 in the past. RN has been noted in the past year in ECNA fm about 1130-1300; in the midwest around 1300-1330; and in WCNA fm around 1415 to around 1515. (# = adapted fm a speech by Don Jensen in Charleston, WVA., July, 1973)

* THAILAND Have you ever heard the NA Svc in English fm Radio Thailand? Neither have I. In fact, I don't think that many other people have either. Nonetheless, the NA Svc fm RT is scheduled fm 0415-0530 listed on 9655 and 11905. DXers across the nation have reported English pgm'ing fm 1025-1030 on 11905. This freq is // to 9655 which is much weaker. 9655 has been noted til 1245 when RT then signs off, but first they give an EE ID and close with an anthem. The 7115 outlet seems to afford the greatest opportunity to log RT on ECNA. Try the early morning slot around 1130 to 1230 or so. While you are still in the 41 meter band, drop down a few kHz to 7106 and tune for Thai TV during local early morning hours. Don't confuse Thai TV with another nearby Asian station, namely Hanoi on 7102.

* SOUTH VIET NAM The SW station broadcasting from the city once known as "The Pearl of the Orient" or "The Paris of the East" is Radio Vietnam, VTVN. Radio Vietnam has been noted often on 11950. The station begins their flute IS at 0610 and signs on at 0615. Best reception on 11950, however, seems to occur in ECNA around 1200 and in WCNA around 1530 or so. Strong signals are often noted on 9620, also during the general time slots mentioned above. The 41 meter band houses several VTVN outlets. 7245 and 7175 may be hrd with relative ease during periods of favorable Asian reception during your local early morning hours. Also include the fairly recent additional 41 meter band freq of 7043 during your early morning tuning for VTVN. Asian DX'pert Larry Magne has recently noted VTVN on 7085 fm around 1030 til around 1230. 6165 carries the Home Svc pgm and can probably be noted in parallel to 7175 and 9620 plus 11950. If you would like a challenge in logging VTVN, go after the 60 meter band outlet on 4877 which is parallel to 7175, et al, also during the early morning hours, local time.

* TIMOR Emissora de Radiodifusao de Timor Portugues has been widely heard over all parts of NA in the past year. The 10 KW xmtr on 3668 and the 1 KW xmtr on 3268 are seemingly scheduled from 0900-1500, however, the "Log Report" in the September FRENEX has listed broadcasts til 1600. RDF Timor is usually noted in the ECNA region fm around 1030 til past 1300. Reception in the midwest seems to be noted around 1200 til after 1400. WUNA DXers indicate that reception is best after 1400 and is noted to sign off at 1500 (1600) when AP is played. Of course the times listed above are just general times of reception and will vary throughout the year. There is a direct correlation between the general times noted above and the seasonal sunrise times.

* PARAGUAY Seemingly, the most widely reported Paraguayan station in NA has been Radio Encarnacion. It appears that most notations of RE on 11948 have been between 2245-2300. RE is able to be well heard during this period until 2300 when the VOA and Radio Canada sign: on and cause: considerable QRM. RE, despite the QRM, has been noted within the past six months after 0030. Also, you may try for the not-very-often-heard station, Radio Nacional de Paraguay which operates on 5273. To my knowledge, this station has not been heard w/in the past few months. But when it is heard, it seems as though the station signs on at 0000 and broadcasts til between 0030-0045. Ute stations often cause QRM to RNP. As a matter of fact, some people have claimed that RNP is a ute station itself, but the full story is not known((by ye ed at least).

Radio Paraguay yields mixed reception on 6015 fm before 9030 to after 1130. Another Paraguayan which may be heard by persevering is Radio Guaira on 5975 during the early morning hours, local time. While looking for the Paraguayan, Radio Guaira, be on guard for the Brazilian, Radio Guaraja, also on 5975.

* GREECE The Hellenic National Radio & TV Institute, sometimes referred to as Radio Athens, has been noted on various freq's in NA during the past year. The freqs of 15425 15345 appear to be the most widely heard outlets. 15425 signs on at 1730 but the sign on is preceded by a folk song IS, "Once-I Was A Shepherd Boy", played on a native flute and sheep bells. Most of the pgm'ing on this freq is in Greek. The 15425 outlet signs off at 2100. Mixed Greek, EE, and FF pgm'ing has been noted on 15345 fm 1930 til after 2230. EE news is scheduled at 2215 and the news in FF is scheduled at 2220. The 25 meter band outlet from Athens may be hrd fm around 2200 til as late as midnight GMT. Radio Habana Cuba often splashes to 11720 fm its "home" on 11760 to interfere with the broadcast fm Athens. The additional freq of 9605 has been noted signing on at 1758 with the shepherd flute IS and Greek pgms to 1850. They have also been observed on this freq at around 1500 but were suffering fm VOA QRM.

!!! AFGHANISTAN !!! R. Afghanistan is going to discontinue their Overseas Svc because there has not been enough letters from overseas listeners. What do you think about that gang? Let's try to keep RA on the air. How about sending a few reception reports, regardless if you have a QSL already, and maybe a few comments about RA's svc in the past years may be in order.

ALGERIA RTA, Algiers, has been noted on four frequencies simultaneously at s/off 0000 in AA: 11715, 11965, 17790, & 17825. (Dr. Richard Wood LA)
 AA 0600-0900 15160, 7220
 0600-1800 17790 (AA), 17825 (FF)
 AA 0900-1800 17745, 9725 (Thanks go to Steve Estes, VA
 AA 1800-0000 15160, 7220 for supplying us w/the RTA sked)
 24 hrs 17880 (AA), 11715 (AA), 11835 (FF), 9610 (AA)

ANGOLA Emis. Oficial, Luanda, noted on 9545 rather than nominal 9535 at s/on 0500 in PP; on top of DW or in clear, until they abruptly leave the freq w/out an acct at 0600. Then they immediately open on 9535 mixing with Switzerland which also opens at 0600 on 9535. (Dr. Richard Wood, LA)

CHILE R. Corporacion on 15150 observed fm 1800-1830 via all daylight propagation. Mixed cmcl and patriotic spots; ID as "CB114, Una radio en la vanguardia de la Revolucion. Radio Corporacion." (Dr. Richard Wood, LA)
 Scott Reeves rpts rec'ing a QSL letter fm Fernando Donoso Sazo, ABOGADO, Cola Cola 603, Linares, CHILE. Fernando says that he would like to receive some jazz records or music fm the grand orchestras.

BRAZIL R.Nac. de Brasilia announces that very shortly new xmtrs w/a combined power of 950 KW will be put into svc. They will then be adding new lang's to their pgms as well as increasing the hours of transmissions abroad. RNB now has GG fm 1930, FF fm 2030, PP fm 2130, EE fm 2300-2400, and then SS. The freqs used are 15445, 11720, 9665, 6065.
 (Many thanks to George Schnabel, NY, Mike Anger, NJ, and Don King, PA)

DOMINICAN REPUBLIC EE pgms fm RTV Dominicana, Santo Domingo, are noted daily at 0215 w/nx and on Sat's w/a mx'ical pgm at 0230. (Don King)
 RTV Dominicana has been noted at 0100 returning fm drifts to nominal 5970. (Richard Wood, LA)

FINLAND b/c's to NA fm 1400-1430 & fm 2300-2330 on 15185 and fm 0300-0330 on 9595. All pgm'ing is in EE. (Thanks Ken Earhart, PA)

GERMAN DEM. REP. NA Svc of RBI effective Sept 2:

ECNA 0100-0315 (EE/GG/EE) on 9730, 11890
 WCNA 0330-0500 (EE/GG) on 6080, 9650, 9725

Each lang xmsn is 45 mins
 (The two side by side tips are credited to Dr. Richard Wood, LA)

GREAT BRITAIN In a surprise move, the BBC has reversed its two chief 40 meter xmtrs beamed to the Americas. 6110, traditionally carrying the World Svc in EE to NA is now used for SS to LA fm 0015-0415. World Svc in EE is now on 5975, formerly used for SS fm 2115-0415. 11780 now s/off at 0030. Other freq to NA are unchanged.

GUINEA, REP. of Conakry, 15310, listed in WRTH to s/off at 1600 is noted at 1730 w/FF pgm'ing. Good strength but hum and low modulation. Same pgm'ing also noted on 9650 at 0500 (Dr. Richard Wood, LA) Voix de la Revolution, Conakry, has sent to following sked w/their QSL; 1600-0800 on 9650; 1230-1600 on 15310 (see Richard's observations) and also fm 1230-0830 on 7125 and 4910. (Thanks a bunch Charley Wootten, NASWA's man in Morocco)

INDIA AIR, Bhopal 3315 fm 0100-0200, 1130-1730
 AIR, Ranchi 3305 fm 0100-0215, 1130-1700
 AIR, Calcutta 4820 fm 0025-0210, 1230-1730
 AIR, Lucknow 3205 fm 0025-0215, 1130-1700

(continued ...)

AIR, Delhi 3365 fm 0025-0215, 1230-1730
 6190 fm 0230-0400, 1130-1215
 AIR, Simla 3223 fm 0100-0200, 1300-1730
 6020 fm 0730-0934, 1140-1225
 AIR, Gauhati 4775 fm 1030-1145
 PGM A 3375 fm 0025-0145, 1200-1730
 PGM B 3235 fm 0100-0215, 1230-1730
 AIR, Kohima 3268 fm 0100-0215, 1315-1730
 4850 fm 1000-1300
 AIR, Kurseong 3355 fm 1130-1700
 AIR, Bombay 4840 fm 0215-0400, 1200-1730
 7240 fm 1045-1145
 AIR, Madras 4920 fm 0100-0215, 1200-1730
 AIR, Hyderabad 4800 fm 1130-1730

This list of regional AIR stations was compiled by the Radio DX Club of India (Radio Australia's DXers Calling)

LATVIA For an easy log of Riga, tune to 12020 between 1900 s/on and 1930 s/off for R. Moscow's PF to Europe xmsn, noted often w/ good sigs. (Scott Reeves, MD) R Riga is also on 5935 (no times given) (C. Wootten)

LIBERIA EE fm ELWA on 4770 fm 0600-0815, 0600-0915, 0630-2215
 EE, Hausa, Twi, Ewe is slated fm 0615-0730, 0615-0815, 0615-1100 on 11950 (Irving Kaufman, NY)

MADAGASCAR RDF Malgache's official sked reads as such: (times in () = Sun times)
 0230-0500 (0300-0500) on 3232, 4985, 6134, 7155 im Malagasy
 0505-1100 (0505-1430) on 4985, 6134, 7155, 9690 " "
 1430-1930 (1430-2100) on 4985, 6134, 3232, 7155 " "
 0300-0500 on 3288, 7105, 6170 in French
 0900-1100 (0300-1430) on 6170, 7105, 9515 " " on Sat's 0900-1430
 1500-1600 on 3288, 6170, 7105, 17730 soon to be replaced by
 17840 French & English Internat'l Sc
 on 3288, 6170, 7105 in French
 1600-1900 (Many thanks to DXers Ralph Perry, ILL and Scott Reeves, MD)

MEXICO XEWX, Mexico City, is regularly active during daylight hours (local) only. However, noted on both 15160 (apparently weekday) and 15176 (apparently weekends) around 1500-1800. 9515 was also noted at 1400. (Dr. Richard Wood)

MOROCCO Our man in Africa, Charley Wootten, has visited the offices of RDF TV Marocaine in an attempt to solve the capper - why RTVM does not QSL. After being yo-yo'ed fm department to dept, Charley was finally passed off as a "radio amateur" by a gent and was led into an office where he met a gent sitting behind a desk with a pile of QSL's on top of it. It was here where Charley learned that RTVM has not received repts in over a year! You might try using the following address now for your verie: Royaume du Maroc, Ministère de l'Information, RDF TV Marocaine, 1 Rue al Brihi, Rabat, Morocco. EE is sked'ed fm 0900-1200 on 6190, 7115, 7225. FFGAA fm 1200-0300 on 9615, 15360, 6170, 11735. Richard Wood has observed RTVM in Maghrebi Arabic at 1730 on 15360 and also RTVM s/on at 0500 on 6190 which is noted daily.

NORWAY Radio Norway has EE to WCNA on 11860 and to ECNA on 15345 fm 1600-1630. Also at 0000-0030 and 0200-0230 on 6185 and 9559. Fm 0400-0430 on 6185 to ECNA and 9645 to WCNA. In addition, Oslo b/c's to WCNA fm 0600-0630 on 11860 (Thanks to Louis Buehler, MO)

REUNION ORTF, St. Denis audible here in Northern NJ this past June in the 0230-0300 time slot (to 0300 fade out) on 2446. (Ed Insinger, NJ)

SARAWAK EE from Sarawak is scheduled fm 0800-1600 & 2200-0100 on 4950
 2230-1445 on 7160
 0200-0730 on 9605
 "Sked does not fit my WCNA logs"-SR (Scott Reeves, MD)

TOGO RDF du Togo lists the following sked:
 5047 fm 0530-0800 & fm 1730-2300
 7265 fm 0800-0900, 1600-1730, & 1200-1400 ... (We appreciate it, Tom Cwikla, CT)

UZBEKISTAN Radio Tashkent has EE language programs from 1200-1230 and 1400-1430 on 15460 and 11730 (Steve Estes, Virginia)

VENEZUELA Radio Angostura Sensacional, Ciudad Bolivar (not merely "Bolivar", as in WRTH by-frequency listing) is noted with this consistent ID, never only "Radio Angostura", at 0900 sign on with both Venezuelan and Estado - Bolivar anthems on 6120. Excellent strength. (Mucho thanks Richard Wood)

USSR Home Svc: Radio Station MAYAK: In a letter just received fm Mrs. S of the NA Svc, she writes, "we would like to inform you that you can pick up a

ETHIOPIA R. Sta ETLF, VOTG lists its EE lang sked:
 0400-0425 7165 1330-1400 15400
 0530-0610 11890 1655-1710 6065
 1255-1325 15320 1755-1810 9705
 1330-1345 11945 1830-1910 7255
 1930-2015 11810

(Thanks Louis Buehler, MO)

IRAN R. Tehran can be hrd well at 2000 in EE on 9022. Their vibraphone IS precedes the 2000 s/on and is really beautiful. (Good to hear fm Ed Insinger, NJ)

IRAQ Baghdad's only EE pgm is on 9745 fm 1930-2020. (Charley Wootten, Morocco)

(Thanks to Louis Buehler, MO)

pgm in the RR language, "Mayak" in particular, which is intended especially for those who know the language, for fishermen at sea, or Soviet people living abroad temporarily." I also received a full data QSL listing MAYAK on the card, via Moscow. (Thanks Ed Insinger, NJ)

USSR - SOVIET ASIA This month's wrap-up of Soviet b/c'ing operations has once again been compiled in an excellent manner by our resident Soviet DX'pert, Bill Davis of Laguna Niguel, California. The only Soviet Asian change for this month seems to be in the Pacific Fishing Fleet pgm fm 1430-1525, Wed's, Fri's, Sat's, and Sun's. The pgm is now on 9770 kHz from Vladivostok and on 9780 from Blagoveshchensk replacing 11870 and 12010. On these mornings the HS station on 6035 goes off the air at 1400. Would this suggest something to you about a possible location for 6035? (Very interest'g)

GERMAN FED. REP. Facts about Deutsche Welle: DW has two xmtr sites in West Germany, one in Julich, one in Wertachtal; DW has two relay sites, one in Kigali, Rwanda, and one in Sines, Portugal; DW has two more relay sites under construction, one in Malta and one in the Caribbean; DW has another relay site in Asia in the planning stage. (Thanks Haris J. Rahow, Canada)

NORTH KOREA DXer Bill Davis has put together the following information fm actual band observations: Radio Pyongyang in English fm

0500-0600 on 11535	1800-2000 on 12075, 9455 to SEA
0600-0800 on 12075, 9820 to SEA	2000-2200 on 11535 to Europe
1000-1100 on 12075, 9455	2300-2400 on 15630, 11535 to SEA
1200-1400 on 15630, 9455 to SEA	(very good Bill)

INDONESIA The RRI station at Sibolga has been observed on the new freq of 5259, vice the old freq of 5210 fm 0950-1600 s/aff.
(Victor Goonetilleke via Radio Australia's "DX'ers Calling")

GREAT CIRCLE CHARTS of the world are useful when orienting SW antennas. This chart shows actual compass directions over the "great circle" (as the crow flies) to any point on the earth. Great circle charts are available from the ARRL, 225 Main St., Newington, Conn. 06111 for \$1.50. (Ed Shaw)

EUROPEAN DX COUNCIL (EDXC), the European version of ANARC, offers several very useful printed materials for nominal fees. Currently, Eng. information materials available are:

List of all DX clubs in the World	12 pgs	2 IRC's	EUROPEAN DX COUNCIL D-6000 Frankfurt 90 Alexanderstrasse 122 Fed. Rep. of Germany
Basic Terms in connection w/radio	9 pgs	3 IRC's	
DX Publications of the World	15 pgs	3 IRC's	
1973 Reporting Guide	19 pgs	3 IRC's	
Band Surveys (Summer & Winter) sample	4	2 IRC's	
Complete List of EDXC Services		1 IRC	

(Ed Shaw)

PENNANTS & QSL's Radio Canada Internat'l offers a new card now, HCJB has a new series of four cards which depict the local oil industry. Every 3 months, one of the new cards will be issued. O.R.T.F. does have a pennant but it can only be obtained by sending a very detailed report with remarks of the programming. (Radio Nederland's "DX Juke Box")

And so concludes another LISTENER'S NOTEBOOK. But first let us mention that if you would like to participate in an "Out-of-band Survey" just fill out and send the coupon below to ye LN ed. Now, let us extend a hardy word of thanks to all of our contributors. We are looking for material from you for LN because you all make LN what it is. It is all up to you. Schedules, observations, tidbits, and general information are always welcome. If you desire the return of your sked, please enclose a SASE. Also post cards are welcome with suggestions. Let us know your desires for this section too.

73 and Happy Listening,

NEXT MONTH: a big surprise!!

Ed

Dan,	
You bet ya! I'd like to work on the "Out-of-Band Survey"	
NAME _____	ADDRESS _____
Type of receiver _____	
Type of antenna _____	
I can _____; I can not _____	tune from 4000-4500 kHz
I can _____; I can not _____	tune from 6200-7000 kHz
I can _____; I can not _____	tune from 7350-9500 kHz
SASE enclosed <input type="checkbox"/> yes <input type="checkbox"/> no please enclose a SASE

QSL Report



Editor:
Larry Yamron
P.O. Box 5103
Pittsburgh, Pa.
U.S.A. 15206

Deadline: 12th of month
Phone: (412) 361-6832

-WELCOME TO THE DX SEASON-

With this years declining sunspot number some rare Dx catches are to be had and should produce a few interesting and exotic verifications....Radio Canada Int. is issuing a special QSL card for its transmissions during the week of Oct. 1 to 7 inclusive.

TO IRC OR NOT TO IRC? International reply coupons are not valid in the following countries China (P.R.), Dom. Rep., E. Germany, Guyana, Lesotho, Malaysia, Maldives, Mauritania, New Hebrides, Peru, Rhodesia, Samoa, Somali Rep., S. Yemen, Surinam, Swaziland, N. Vietnam, S. Vietnam, Indonesia...Mint stamps should be sent when obtaining verifications from these countries. Mint stamps are available from Dx Stamp Service, G.N. Robertson, 83 Roder Parkway, Ontario, N.Y. 14519.

INCREASE YOUR QSL PERCENTAGE! The new Verification signers list is now available from Ed Shaw, 621 Burleigh Ave, Norfolk, Va. 23505. Cost is 50 cents postpaid in NA.

OCTOBER-QSLs RECEIVED-OCTOBER

Again this month we have a fine selection of rare verifications. Many interesting South Americans have been received. The seldom heard Bolivian Radio San Miguel has verified Clandestines from Great Britain are also plentiful...A verie also in from Azad Kashmir Radio. On with veries!

ALGERIA: RTV Algerienne, 17880, card, sked, and report forms, sea in 9 weeks. (Padula)

ARGENTINA: RAE, 9690, full data card in 94 days for 2 IRCs. (Novacek)

ARMENIAN S.S.R.: R. Yerevan, 17700/Africa svc. full veri w/site. (Reeves) 17776, f/data card in 2 months for 2 IRCs. (Pyatt)

ASIAN S.S.R.: R. Moscow, Chita, 11720, card in 5 weeks. (Plum)

ASIATIC S.S.R.: R. Moscow, Khabarovsk, 9610, card in 3 weeks. (Plum)

AUSTRALIA: R. Australia, 9580, card w/full data, 174 days, no IRCs. (Novacek) 9580, Dx Friendship Year card, 12 days air for 2 IRCs. (O'Malley) 9580, card in 20 weeks, no IRCs. (Earhart) ABC, Lyndhurst, antenna card in 4 months sea, no IRCs. (Bettenhausen) 17870, flower card w/full data, 30 days air, 3 IRCs. (Wiseberg) ABC, Shepparton, 21740, card in 90 days air, no return postage. (Buehler)

VLM4, 4920, full data card in 3 weeks air, 2 IRCs. (Gendron)

VNG, Time station, multicolored folder card, f/data, 105 days, 1 IRC. (Ross)

AUSTRIA: ORF, 9655, card w/full data in 3 months, no IRCs. (Earhart) 9770, card w/full data in 59 days, no IRCs. (Novacek) ORF, Aldrans, 6000, card w/full data, 2 months for 2 IRCs, followed two days later by technical pack of info on ORF. (Calkin)

Schulungssender des Osterreichischen Bundesheeres, 6255, new style card (since 1971) w/full data in 19 days air for 3 IRCs. (Calkin)

AZAD KASHMIR: Azad Kashmir Radio, 3383, prepared card w/full data, 26 days for 1 IRC and local postcard. Power given as 100KW. (Campbell) excellent!

AZERBAIJAN S.S.R.: R. Baku, 9840, responded direct to rpt, no IRCs, using Farsi form for broadcast to Iran, 2 QSLs w/full data in 4 months, used Moscow format, verifies programs to Iran and Arabic countries. (Sizer) verified direct for 9840 program to Iran, full data reported in Russian with mint stamps. (Perry) great!..ed

BELGIUM: ORU, 9655, map card w/full data except time, pennant and sked, 25 days, no IRCs. (Brown) new QSL card w/full data, 25 days air. (Flynn)

BOLIVIA: R. San Miguel, 4700, full data letter from v/s. Michael J. Ruck, Dir., in EE, 3 weeks for EE rpt. and mint stamps. (Reeves) 4700, letter in EE, for SS report and 1 IRC. (Barto)

R. Altiplano, 5045, card in 25 days, SS rpt. and mint stamps. (Hagen)

BOTSWANA: R. Botswana 4845, Lilies card in 4 months for EE report

Radio Gemini

50 Hempstead Road, Watford,
Hertfordshire, England

QSL

We thank you for your reception report for our transmission on

SUNDAY JULY 15 1973 - 6235 KHZ
10.37 - 11.02 GMT

QTH IS LONDON - PWR IS 150 WATTS

BOTSWANA: R. Botswana, 4845, Lilies card in 4 months for EE report and 1 IRC. (Cwikla) 4845, 2 different animal cards for 1 report in 230 days, 31 days after f/up w/mint stamps (Campbell) 2 cards for EE report and 1 IRC, 5 months. (Barto) card w/freq. only in 7 mon. for 1 IRC, postcard. (Reeves)

BRAZIL: R. Aperecida, 9635, card w/full data and pennant, station decal, air in 4 months for EE report and 2 IRCs. (Gendron) full data card and pennant, decal, v/s. Waldomiro Jose Fantanari, Generte, 3 months for PP report and mint stamps. (Reeves)

R. Clube de Pernambuco, 11865, card in 3 months w/acknowledgement only. (Pyatt)

BRUNEI: R. Brunei, 7215, card w/full data and sked, 3 weeks for 3 IRCs. (Reeves)

BULGARIA: R. Sofia, 9700, card in 2 months, no IRCs. (Earhart) full data card in 190 days, no, return postage. (Novacek)



TIME-RADIO QSL

VERIFICATION CARD

Issued to: J.A. Campbell

Time Radio acknowledges with thanks your reception report. The observations therein show the true reception of our programmes.

DATE: 10th June 1973 . TIME: 09.56-10.03 gmt. FREQUENCY: 6237 kHz

POWER: Output 40 watts. AERIAL: Longwire (for tests only) 10 metres

We hope you will continue to listen to our programmes and we will appreciate future reports which will aid in bettering those transmissions.

REMARKS: Test transmission. Regular schedule starting July 73.
Your report was the only one from your country for this broadcast. Thanks for an very interesting letter.
Such valuable reports are always welcome.

SUPER 73!

CANADA: R. Canada Int, 11835, map card w/all data, 17 days, 2 IRCs. (O'Malley) card in 15 days, no IRCs. (Novacek) 6145, map card in 5 weeks, no IRCs. (Earhart)

CBC Northern Svc., 9625, native card, 14 days. (Nebron)

CFRX, 6070, Skyline card, 13 days, 2 IRCs. (Buehler)

CHNX, 6130, card w/no details, 25 days, 2 IRCs. (O'Malley) card in 3 weeks with personal note from Sec. Patricia Walsh, 1 IRC. (Perdue)

CAPE VERDE IS: R. Clube de Cabo Verde, usual card listing 3960 for reception on 3885, 210 days, 23 days after f/up, PP report, 2 IRCs. (Campbell)

COLOMBIA: Ondas del Meta, verie letter from Jaire E. Cifuentes, full data, 2 weeks. (Perry)
R. Guatapurí, SS letter and decal from v/s. Glenix Peraza Moron, Sec. notes that they have no pennants now, but hope to have them soon., 8½ months for SS report and mint stamps, postcard. (Reeves) sorry out of order..ed.

CHILE: R. Portales, 9573, letter from v/s. Arturo Tarud Siwady, air in 1 month for mint stamps. (Sparks) SS letter on 5th try from above v/s., SS report and SASE not used, my 7th Chilean verified. (Flynn)

CLANDESTINE: R. Feyenoord van Rotterdam, 1621, prepared card in 15 days for 1 IRC. Example of the many Dutch pirates in 1608-1640 khz. after 2200 Fridays and Saturdays, but rare because it announced its name and address. (Campbell)

R. England Int, 6260, prepared card in 12 days for mint stamp. Located in Liverpool and testing with a power of 100 watts. (Campbell)

R. Freedom, 6283, prepared card in 5 days, Scottish pirate in Edinburgh, power of 50 watts. (Campbell)

R. Gemini, 6235, full data card and personal letter from v/s. Edwin Borg, C.E. 15 days air for mint stamps. Transmits from London with a power of 150 watts on a nominal freq. 6220 but also tests on 6235. Address: 50 Hempstead Rd, Watford, Hertfordshire, England. (Calkin) see QSL 1...ed.

R. North Yorks, 6230, hand drawn card in 54 days for mint stamp, QTH unknown card posted from forwarding address. (Campbell)

R. Scotland Int, 6225, prepared card, QSL and letter in 19 days, mint stamp, power 12 watts. (Campbell)

Time Radio, 6237, printed card and stickern, 19 days, 1 IRC. (Campbell)

Tower Radio, 6225, card and letter with statio details, power 15 watts but says will increase to 220. (Campbell)

World Music Radio, 6250, card w/full data in 12 days, v/s. Steve Wainwright, and invitation to join WMR club, Address: 79 Rookery Lane, Rainford, St. Helens, Lancs, WA11 8BL (Calkin)

Comunidad de Misioneras Sociales de la Iglesia

Emissora Católica Cultural

ROCAFUERTE N°. 11-43
TELEFONO 428

APARTADO 222
LOJA - ECUADOR S. A.

"LUZ Y VIDA"

NOTICIOSA - DEPORTIVA - MUSICAL - 4.925 KC. 63 METROS - 1.450 KC 200 METROS

A-10 de Julio de 1.973

Sr. Gregg A. Calkin
Ottawa.

Estimado señor:

Al fin puedo contestar su carta fechada el 4 de marzo pasado, y la inicio pidiéndole mil disculpas por no haberlo hecho antes, siendo el motivo el haber estado impedida de escribir a má-

pero gusto en establecer un la es de unas religiosas, y yo entusiasmo el ver que con nues- a estrechar las relaciones recordando que todos no for- los hijos de Dios que peregrin-

reportaje es muy buena. afecti- p, encuentro que el programa ter- as 3.57 minutos de la mañana, por go de Carnaval. El programa escu- salvo raras excepciones, todos los ajos y Comunicados; estos son "no- us familiares las personas del campo algún negocio, etc. al cual suelen para alegría de la familia. Le copio saje que se ha pasado ese día: parroquia Guadalupe, Barrio Piunza, musical, para los esposos Raúl Maldo- mo también para sus hijos Rosa, Dirna; racemos de parte de su querido hijo Alon- e carnaval y a la vez por encontrarse

se dedicaron, fueron: Larga espera. so y A Brillas del Tomebarba. e equivocado coniendo el penúltimo, y no al. Para Ud. creo no tiene tanto interés esto rminar hoy, por contestar muchas cartas más, e año, no tenemos otro reportaje de Canadá, y de Es.UU. Suecia, Finlandia, N.Zelandia

ro haberle complacido, agradezco envío de para la respuesta, pues los cupones no la-s cam- y me despido, hasta pronto.

Muy cordialmente,

Hna. Amada Campos
hermana Amada Campos D.

1967

1972

Radio
LUZ Y VIDA



825 KLS. 63 MI

Al Servicio
de Dios
La Patria
La
Cultura
LOJA
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C
U
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R

CONGO: RTC, 15190, FF full data form letter from v/s. Jean Pierre Ngole, English programs producer, 64 days air for 2 IRCs. (Schwartz) 4765, letter w/full data in 3 months for NASWA FF report form and 3 IRCs. (Gendron)
 COSTA RICA: TIPC, 9645, EE/SS card w/full data, 17 days for 2 IRCs. (Brown) card w/full data for GILFER report form, 36 days. (Self)
 CUBA: R. Habana, 17885, blue and white card, 5 months air. (Dolyak)

BRITISH FORCES BROADCASTING SERVICE
 SINGAPORE - HQ FARELF, c/o GPO SINGAPORE

TRANSMITTER TYPE Marconi 1000 AERIAL Colinear Dipoles
 EFFECTIVE RADIATED POWER 10 K/ WATTS

Thank you for your report concerning our transmissions on 60 Metres

Kjcs 5.01 Mcs covering the period 1220 hrs to 1243 hrs,

on 16th December 1967

The contents of your report have been checked with our Station Log for that day and found correct. May we take this opportunity of wishing you good luck and happy listening during 1968

SENIOR ENGINEER

DOMINICAN REP: RTVD, 9505, letter and pennant in 1 month for SS report and 2 IRCs.

R. HIN, 4910, map card w/date and freq. for SS report and (Boudreau) mint stamps, also received letter, tourist info and pennant. (Wiseberg)

ECUADOR: El Mercurio, 6070, card w/SS verie message, freq. only, from v/s. Fabian Meliner -es, Gerente. Also read on gold pennant and postcard. (Perry)

Emisoras Luz y Vida, 4845, replied by lengthy friendly letter and pennant from v/s. Hermana Amanda Campos D., giving verie statement and full data, plus data on the station and where it has been heard. 5 months total, 2 months after f/up. Says IRCs are exchangeable in Loja and would appreciate mint stamps. (Calkin)

HJJB, 11745, oil in Ecuador card in 3 weeks air. (Eichenhorn) card w/full data in 3 weeks air for 2 IRCs. (Earhart) card in 21 days, 2 IRCs. (Buehler)

Radio Quito, blue/black folder QSL and pennant for SS report, mint stamps. (Perry)

R. Rio Amazonas, 4870, replied w/EE letter from v/s. Jim Hedlund, Station Eng. 6 months, 3 months after f/up. Hedlund says studio and transmitters are located in Macuma, 54 miles south of Puyo. Shell is where mail service originates. Also says I replace Al Sizer as most northern listener. (Calkin)

ETHIOPIA: R. Ethiopia, 6185, no data "Camel Driver" card with verie statement only, 14 days air for 1 IRC and EE report. (Mayer)

ELTF, 15190, blue/white card in 15 days for no return postage. (Eichenhorn)

EUROPEAN S.S.R.: R. Moscow, 11720, card in 35 days air. (O'Malley)

FINLAND: R. Finland, 15185, full data card in 11 days, no IRCs. (Novacek)

FRANCE: ORTF, 15120, card and pennant in 4 months. (Brown)

GABON: La Voix de Renovation, 4777, Africa card, w/full data except time, 43 days air for FF report and mint stamps. (Wiseberg) Africa map card in 9 weeks, 2 IRCs. (Earhart)

GAMBIA: R. Gambia, 4820, form letter in 2 months for 2 IRCs. (Hagen)

GERMANY G.D.R.: R. Berlin Int, 9730, card w/full data, 80 days, no IRCs. (Brown) Rostock card in 75 days sea, no IRCs. (Buehler) 7260, card w/full data, 66 days sea. (Schwartz)

GERMANY G.F.R.: DW, 9605, via sackville relay, card in 20 days w/sked, pennant. (Brown)

VOA, Munich, 15195, 30th anniv. card, 1 week w/site. (Cwikla)

Bayerischer Rundfunk, 6085, optical illusion card, freq. and date, plus

technical data on BR operations, 3 weeks air, 2 IRCs. (Calkin)

Sender Freies, 6190, via Bremen transmitter, card w/text in EE/GG, seamaill in 10 weeks. This outlet is extremely rare for Australian reception, due to use of freq. by Bucharest and Moscow. Have waited 10 years for a chance, and took it when Morocco was strangely absent from the channel. I know of no other QSL for this outlet having been reported to Australian DX News by an Australian Dixer the whole time ARDXC has been in operation. (Padula) very interesting Bob..ed.

GERMANY G.F.R.: Sueddeutscher Rundfunk, Stuttgart, 6030, long yellow/white card with "QSL" in large letters, giving data, freq., and xmtr site. Station now also calling itself "Sudfunk". 19 days air, 2 IRCs. (Calkin)
GHANA: R. Ghana, 4915, full data card, 98 days, 1 IRC. (Ross)
GREECE: Radiofonikos Stathmos Makedonias, Thessaloniki, 9710, replied by EIRT card w/full data, 2 months air, 3 IRCs. Station not listed in WPTVH, but address is: Veniselou 4, Thessaloniki. (Calkin) see QSL below..ed.

ETHNIKON IDRIMA RADIOFONIAS - TILORASEOS

DIRECTION OF TECHNICAL SERVICES

16. MOUROUSI STREET
ATHENS 138 - GREECE

*RAD. STATH. MAKEDONIAS
VENISELOU 4
THESSALONIKI*

THESSALONIKI 21/1/73

VERIFICATION OF RECEPTION REPORT

We thank you for your Reception Report

dated June 10 73 concerning our transmission

on 9710 KHZ and from hours

1335-1430 which was checked and found correct.

A.T.V. 318

Yours faithfully,

FOR THE DIRECTOR OF TECHNICAL SERVICES

[Signature]
1. N 16775

GUATEMALA: La Voz de Nahuala, colorful card in 25 days air, SS rpt., mint stamps. (Reeves)
R. Maya, 3325, full veri card in 10 months air, IRCs, EE rpt. (Reeves)

HAITI: R. 4VEH, card w/full veri, sked, and ruler! 3 weeks for 3 IRCs. (Boudreau)
HONDURAS: R. Lux, HRVL, 4890, sent friendly letter in SS from v/s. Esperanza Zapata, Sria. in 8 months, 4 months after f/up, again w/mint stamps. Much prized as freq. is normally impossible due to Venezuelan except on New Year's Eve when HRVL stays on past the YV to welcome the new year due to more westerly time zone. (Calkin) nice catch Gregg!..ed.
 HRVC, 4820, card w/full data in 2½ weeks for 2 IRCs. (Brown)
 R. Progreso, form letter and decal, 2 weeks air for 3 IRCs and 2 pipecleaners!! (J. Tolle v/s. smokes a pipe..see August FRENEX cover). (Boudreau) to each his own!..ed.

INDONESIA: RRI, Banjarmasin, 3250, verified Indo. report in 4 months after registered f/up w/mint stamps. Verie statement w/no data except freq. v/s. Basmedri, address: Direktorat Radio Studio Banjarmasin, Jalan Lambung Mangkurat No. 1, (Sizer)
 RRI, Nusantar, Ujung Pandang, EE letter, picture QSL card, 24 days air, EE report, for mint stamps. v/s. Slamet Poedjono, Dir. address: RRI Nusantar, 1 Ujung Pandang P.O. Box 103, Ujung Pandang. (Reeves) 5054, full veri letter, 14 days after f/up, 7 months total, 2 IRCs, EE report. (Henderson)
 Voice of Indonesia, 11715, RRI card w/full data in 68 days for EE report and mint stamps. (Mayer)
INDIA: AIR, card w/full veri in 5 months for 2 IRCs. (Pyatt) sent thanks only card on third try, 2½ months for 3 IRCs. (Reeves) sorry out of order. I've got a headache!(hi).ed
INTERNATIONAL WATERS: R. Nordsee, 6205, card in 10 weeks, no data, 2 IRCs. (Pyatt)
IVORY COAST: R. Abidjan, 11920, card w/full veri in 5 weeks air, mint stamps. (Pyatt) 4940, long card in 6 weeks for FF report. Valued for previous reports never answered.
ISRAEL: IBA, 15165, full data card, 1 month for 2 IRCs. (Carrington) (Padula)

JAPAN: NHK, R. Japan, 9505, card w/full data, sked., 10 days air, no IRCs. (Buehler) 15105, card w/full data except time w/sked and pennant, 2 weeks no IRCs. (Brown)
 FEN, full verie card, letter and sked in 6 days for no IRCs. (Reeves)
 NSB, 9595, card in 2 weeks air, no return postage. (Castello)

KASHMIR: R. Srinagar, 3277, aerogram w/full data from v/s. J.C. Ehangua, 6 months air for EE report and 3 IRCs. (Henderson)
KENYA: Voice of Kenya, Nairobi, 4915, the usual blue aerogramme verie, full data except power, for Oct. 1972 logging, many f/ups and a stack of IRCs. (Perry)



RADIO "LUX" S. DE R. L.

W 2 V L } La Estación en la Zona Norte de la } 4,890 Kcs.
Onda Corta } República de Honduras } 80 Metros

Olanchito, Yoro, Honduras, C. A.

19 de Junio de 1973

Sr.

Gregg A. Calkin
Ottawa Ontario

Estimado amigo:

Sírvase acentar desde ya nuestro abrazo cordial, con la formulación de un saludo portador de nuestros deseos porque al momento de recibir la presente nota y en el porvenir se encuentre disfrutando de amplia alegría fomentada por el disfrute excelente salud y éxito en su cotidiano hobby.

Satisfacción profunda y alegría infinita proporcione a nuestro personal, el momento en que recibimos su carta reoportaje, la cual hemos ubicado dentro de la calificación de "Exacta y Correcta".

Nuestro Transmisor es la siguientes características:

Marca Collins 20 V3, out put, A3 1000/500/250 W., audio freq. Im-out 600/150 level 110 DBM-2.

Confiamos que continuara haciendonos llegar sus reoportajes y le reiteramos nuestro profundo agradecimiento.

Por Radio Lux:

Esperanza Anata
Sria.

KOREA REP: KBS, Taegu, 2510 letter and card, 3 weeks air for 3 IRCs. (Sparks)

LATAVIAN S.S.R: R. Moscow via Riga, 12020, in FF/Europe. (Reeves)

LIBERIA: VOA, 15445, antenna card w/full data, 6 days. (Brown)

LUXEMBOURG: R. Luxemborg, 6090, coat of arms card, full data, 50 days seemail, no return postage. (Estes) card in 3 months. (?)

MALAGASY REP: R. Madagascar, card w/no data in 1 month for 3 IRCs, FF report. (Reeves)

MAURITIUS: MRC, Forest Side, 9710, another goodie! the usual 4 color card w/date and freq. from v/s. Monsieur Rambert. Took 6 f/ups. Rambert notes on QSL: "I hope that this QSL will finally reach you, sent under sealed envelope". Leads me to believe that MRC is verifying correct rpt's, just not making it back here to the states. (Perry) go get 'um Ralphus!

MONGOLIA: R. Ulan Bator, 11810, personable letter and card in 84 days. (Schnabel)

MOZAMBIQUE: RCM-Beira, 4890, 1 month w/card w/site, EE report for 3 IRCs. (Perry)

NETHERLANDS ANTILLES: TWR, 11815, card and pennant in 1 month for 2 IRCs. (Pyatt)

NEW ZEALAND: RNZ, no data card, sked, poster, 9 months, 1 IRC. (Reeves) 11780, card w/date and freq. 8 months sea, 2 IRCs. (Gendron)

NICARAGUA: R. Mar, 9580, letter in 1 month, mint stamps, full veri. (Pyatt)

NIGERIA: NBC, Sokoto, 6195, letter from Sokoto, 1 month air, for IRCs. (Sparks)

R. Nigeria, Kaduna, 3396, card via lagos, 2 weeks, last RN veried. (Reeves)

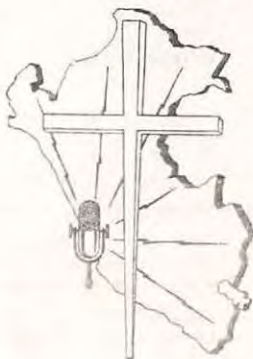
NORWAY: R. Norway, 17825, "Norway in the Mountains" card, 15 days for 1 IRC. (Earhart)

- PARAGUAY:** R. Encarcion, 11945, QSL in 7 months for 1 IRC and SS report, sent back an G.F.R. IRC! (Barto)
- PERU:** R. del Pacifico, 9675, card w/full data, letter, 3 weeks, 2 IRCs, EE report. (Perdue)
R. Quillabamba, 5025, letter, pennant, ID card from P. Joaquin Barriales. (Dexter)
- PHILIPPINES:** FEBC, 11890, full data map card in 80 days air for 2 IRCs. (Wiseberg)
Voice of Philippines, 9580, card and letter for report of reception at unusually early time, personal letter from manager Ernesto G. Madrid, 2 IRCs. (Perdue)
- POLAND:** R. Poland, card and letter in 10 weeks, no IRCs required. (Bettenhausen)
- PORTUGAL:** R. Portugal, 11840, full data card in 23 days, no IRCs. (Novacek)
R. Renascenca, 6155, full data card in 7 weeks, and a few days after copy of the report taken to their studios on trip to Lisboa. (Calkin) card in 36 days for PP report and mint stamps. Heard on 6151. (Campbell)
R. Trans Europe, 9670, full data card in 4 weeks air, Address: Caisner Postal 235, 1211 Geneve 11, Switzerland. (Calkin)
S.E.I.T. (Secretaria de Estado da Informacao e Turismo), Lisboa/Sines, 9670, full data card in 4 weeks in EE from Apt. 2495, Lisboa. 2 IRCs. this is a tourism program over R, Trans Europe. (Calkin)
- RHODESIA:** Rhodesia Broadcasting Corp., 2336, gazelle card in 22 days for EE report, full data, v/s. E. McKenzis. (Schnabel)
- ROMANIA:** R. Bucharest, 11940, Polkdance card and sked, 88 days, 2 IRCs. (O'Malley) full data card, 76 days, no IRCs. (Rosa)
- RYUKYU IS:** VOA, Okinawa, 7165, 4 days for postcard report to D.C. (Revea)
- SOLOMON IS:** SIBS, Honiara, for new service on 9545, map card and letter from E. Nokes Broadcasting Eng, air in 3 weeks. Advised my report was first from Australia for this new service. (Padula) Interesting!..ed.
- SPAIN:** RNE, 6065, card in 4 weeks for no return postage. (Earhart) 6065, antenna card in 66 days. (Self)
- SPANISH SAHARA:** R. Sahara, letter w/date and freq. in 14 days after 3 f/ups. 3 IRCs, vic 184. (Henderson)
- SOUTH AFRICA:** RSA, 9695, card, RSA Calling mag in 11 days air, no IRCs. (Buehler) card in 2 weeks, no IRCs. (Earhart)
- SWEDEN:** B. Sweden, 11705, full data card in 14 days, no IRCs. (Novacek) card w/full data in 18 days for 1 IRC. (Ross)
- SWITZERLAND:** Red Cross Broadcasting Svc., 7210, verified by bright card in 4 weeks air for 2 IRCs, also letter from Alain Modoux, Head of Information and Press Division. (Calkin)
SEC, 9535, card w/full data in 64 days, no IRCs. (Novacek) 5965, card for special test transmission to South America, seamaill 10 weeks. (Padula)
- TAHITI:** R. Tahiti, ORTF, card in 8½ months for EE report, 2 IRCs. (Word)
- THAILAND:** R. Thailand, 7115, 6 months, sked. (Barto)
- TURKEY:** Voice of Turkey, 15195, card w/date only and sked in 8 months air, 3 IRCs. (Pyatt)
Voice of Meteorology, 6900, replied by letter and sked from Prof. Dr. Uman E. Colosan, Director General, 3½ weeks for 2 IRCs. (Calkin)
- UKRAINIAN S.S.R.:** R. Moscow, Vinnista, 11735, full data red/blue card w/site in 1 month, also report form and thankyou note. (Wiseberg)
- URUGUAY:** R. El Espectador, 11835, plain card w/full data in 125 days sea, SS report and mint stamps. v/s. Hector Amengual, Presidente. (Wiseberg)
- U.S.A.:** KGEI, full data card and pennant, 82 days for 8¢ stamp. (Ross)
O.A.S. acknowledgement letter w/freq. and date, 24 days. (Flynn)
WNYW, 17755, plain card in 10 days for mint stamps, also sent sked. (Buehler)
VOA, Dixon, 6185, card w/all data except time, 73 days. (Mayer)

Radio Del Pacifico

APARTADO 4236

LIMA - PERU



*Jesús dijo: "El que oye mi palabra,
y cree...tiene vida eterna".
San Juan 3:24*

TRANSMISORA CALDAS

CIA. TRANSMISORA DE MANIZALES, LTDA.

H J F J 1060 KILOCICLOS — H J F W 5020 KILOCICLOS — H J K N — F. M. — 885 MEGACICLOS

Chairman :
D. M. N. McFritene, C.B.E., I.L.R.
Manager :
G. Matheson Cullen.
Cables : Broadcom.
Telephone : 2241.

Fiji Broadcasting Commission

"RADIO FIJI"

GLADSTONE ROAD, SUVA. P.O. BOX 114.

10th March, 1970

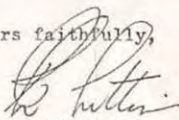
Dear Mr Shaw,

Thank you for your letter dated 18th February, 1970 and tape recording of our transmission on 7195 Kc/s. I am pleased to confirm that this recording was of Radio Fiji.

The transmission which was of only 500 watts was on test as this frequency is only used for a supplementary program we relay to our local listeners on Sunday morning. I am pleased you heard it but doubt whether you will hear this particular transmission at that time again.

We have recorded a verbal acknowledgement on your tape and our official QSL card is enclosed. With best wishes for your DXing.

Yours faithfully,



(P. L. Littin)
ENGINEER

VENEZUELA: R. Lara, 4800, network card in 26 days for SS report and mint stamps. (Cwikla)
R. Universo, 4880, card w/date and freq. in 1 month air for mint stamps. (Pyatt)
VIET NAM (NORTH): Hanoi, 15105, form letter and sked w/wrong freq. sea in 18 weeks. (Padula)
WINWARD IS: R. Grenada, 5015, second letter from N.P. DaBreo, Manager, in 6 months for same report. (Calkin)
ZAMBIA: R. Zambia, card w/full data in 3 weeks air for mint stamps. (Pyatt)

THANKS GO TO THIS MONTH'S 36 REPORTERS

S. Barto (CT), R.A. Bettenhausen (SD), P. Boudreau (LA), M. Brown (OH), L. Fuehler (MO), J. Campbell (SCOTLAND), G. Calkin (SPAIN), W. Carrington (TN), J. Castello (CA), T. Cwikla (CT), J. Dexter (WI), E. Dolyak (IO), K. Earhart (PA), S.W. Eichenhorn (MI), S. Estes (VA) B. Flynn (CA), D. Henderson (MD), A. Mayer (IL), L. Nebron (CA), G. Novacek (WI), Pat O'Malley (PA), B. Padula. (AUSTRALIA), R. Perry (IL), N. Perdue (TN), W.J. Plum (CA) W.J. Plum (NJ), E. Pyatt (CA), S. Reeves (MD), M. Ross (NY), C. Self (MI), R. Schwartz (IL) P. Schnabel (NY), A. Sizer (CT), B. Sparks (CA), M. Wiseberg (CANADA), J. Word (CA)

Help your editor!! In order to cut editing and typing time please print your name at the end of each item and leave a space between items so they may be cut apart.

REQUEST! Illustrations are needed for the pages of QSL REPORT, send either a copy or the original (will be returned) Do you have an QSL that you would like to see? Write QSL REPORT and I'll see what I can dig up. Those who did't make the deadline will be in the November issue. Its 0700 GMT! and its finally done.

Until November 73's and good Dx,

Larry Yammer



73 from

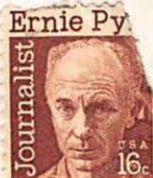
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