Welcome to 53 new NASWA members who have joined the ranks since our previous listing which appeared in the July issue of FRENDX. We hope they will find their new membership to be helpful.

EGG, Chris, Seattle, WA
Jamil, Saskatoon, Sask. **
RSON, James C., Albuquerque, NM
, James T., Somers Point, NJ **
ER, Alan W., Drummonville, P.Q.
A., Paul M., Santa Monica, CA
DT, Kerry A., Ann Arbor, MI **
NT, Mark L., Lexington, KY
BERS, George P., Florence, AL
AN, Bonnie, Glen Burnie, MD
A, Peter, Miami, FL **
INS, Don, St. Louis, MO
SON, Richard, Léveland, OH **
ANDISH, Shapur, Chicago, IL
, Norman G., Vancouver, B.C.
, F.J., Weston, CT
SON, Randy, Morgantown, PA
, Charles R., Jr., Norfolk, VA **
LIK, John P., Cheektowaga, NY
EL, George, West Islip, NY
MEZHD, M., Reza, Tucson, AZ
ER, Cindy, La Crosse, WI
LEY, Wayne, Angleton, TX
, B.G., Anniston, AL
ASTER, Eileen C., Sandusky, OH
John C., Hanover Park, IL
T, Daniel, Woodbury, MN
K, Carol Ann, Wilkes-Barre, PA
LEAKE, Roy, Bloomington, IN
LEDER, Alan M., Paterson, NJ
LEFKOWITZ, Todd A., Belleville, IL
LEICHHAN, Richard, Hamilton, OH
LONG, Dale E., Lititz, PA
McKELLAR, John, Mountain View, CA **
MAGON, Tony, Invercargill, New Zealand
MARTIN, David M., College Park, GA
MAYES, Dennis, Austin, TX
MEAGHER, Michael P., East Detroit, MI
MILLER, William A., Sacramento, CA
NILGES, Jon P., St. Peters, MO
NIMROD, Harry, Chicago, IL
PALKOVIC, Joseph F., Altamonte Springs, FL
PATE, James Gary, Baltimore, MD
PAVICK, Anthony G., Latrobe, PA
PHILLIPS, Fred E., Trinity, NC
ROSE, Craig A., San Jose, CA
SCHLEDER, Gary, Missoula, MT
SVEKLA, Walter D., Cherry Hill, NJ
TASSY, Lucien, Chicago, IL
THORPE, Donald, Rochester, MI
VOECKS, Fritz, Appleton, WI
WALLACE, Robert L., Wilmington, DE
WARE, Lauren C., Fairfax, VA **
** Welcome back to NASWA after a short absence!

The next Roll Call will appear in the November issue of FRENDX.
OPEN TYPEWRITER, INSERT FOOT DEPARTMENT -- I must apologize first this month to Neal Purdue for the typos that appeared in his article (typed by me) last month. At one point I typed "3/2 ... wave...antennas" when it should have been "3/4." And, horrible dictu, I misspelled Neal's name, affixing him with Maryland's chicken magnet. I abase myself profusely, and, if you forgive me, Neal, I'll never make a typo again.

THIS MONTH: We have a special review on the HQ-180A, written by one of the VOA's bright lights, Dan Robinson -- we have a long paean to the "Golden Age of Radio" in the 30's -- an active antenna report in Technical Topics -- Russ Lay's opinions in "It Sounds To Me" but, alas, no Loudenboomer this month. We will probably run his pearls of wisdom every other month, perhaps alternating with It Sounds To Me. Next month he is going on a DXpedition, with unexpected results. And, now, straight from Washington, D.C., we present:

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THE HAMMARLUND HQ-180A: A RECEIVER WRITES ITS OWN STORY

by Daniel A. Robinson

This is a receiver review, but not the kind of review you would expect to find in the pages of FRENDX. In fact, this is more of an exercise in nostalgia, a personal story about what I consider to be the best radio receiver ever made for shortwave listening and DXing. You will NOT read here a list of technical descriptions and figures about things like image rejection, sensitivity, and selectivity. And I do not intend, if I can help it, to microvolt and dB you to death, because, frankly, I've never been into the numbers side of this hobby. What I do want to try to provide is a picture of PERFORMANCE over time, my impressions of a receiver that has run head-to-head with some of the best DX machines ever made, at all hours of the day, and after more than 12 years of DXing come out on top of the heap in my DX shack. I'm talking, of course, about the Hammarlund HQ-180A. This is a receiver, an instrument, that has been used at one time or another by every one of the "names" in the DX hobby, the people who have raised DXing to an art, those persons whose names have been part of FRENDX and the rest of the DX press for years.

Now, you're probably thinking already, after reading the first paragraph: "Robinson is going to try to tell me that an HQ-180 is better than my brand-new shiny R7A, NRD-515, or Watkins-Johnson." Well, I suppose I can't in good sense say that! But I have used all those receivers, and almost every other model you might be able to get your hands on, and I will say that you can't do much more with an R7A than you can with a find old HQ-180A in good condition.

In my spare moments, I often enjoy paging through old issues of Communications World and Communications Handbook. Those were the magazines so many of us, as young DXers, enthusiastically ran down to the corner drugstore to buy so we could keep up with the latest news and developments in receivers and the hobby in general. What strikes me now is that the pages of these publications, with their photographs of well-known and many not-so-well-known DXers, is how many people used the HQ-180A. For example, from the 1971 Communications World: Jimmy Hart of the Newark News Radio Club, Gerry Dexter, Bill Sparks, (who still uses an HQ-180), Larry Yamron, Al Sizer, Richard Pistek etc. There is no doubt that the HQ-180A has been an old favorite of SWLs for as long as it has been around. I don't think this is merely because the receiver happened to be popular at any particular time. Certain radios have had periods of popularity over the years and then faded away. It's because the HQ-180A was designed and built to perform, to be flexible in tough reception situations, and to provide the user with a combination of tuning options that I'm not sure has been surpassed since, even in today's world of PLL/synthesized digital readout wonders.
If you ever have a chance, take a look at some of the old issues of FREDX, back to 1970 or so. Another thing that strikes me is the surprisingly few reviews of the HQ-180A, despite its popularity as possibly the major receiver of the decade. Not one full review of the 180A! There were quite a few articles on other sets, almost every one that achieved any degree of popularity. We read James Wilson’s August 1977 review of the Collins 51J0, Ed Shaw’s reviews of the SX-190, SF-600, and R-290A. In his January 1978 review of the R-190A, Charles Taylor had this to say: “The SPR-4 and HQ-180 have better sensitivity than the R-190A.” We even had a report on the Racial 6217A by Bill Whitacre in 1979, and also heard about Jim Jones and his ‘dream shack’ consisting of two HQ-180A’s. But, alas, no full review of the Hammurabi HQ-180A. Let’s see how I do here.

This is about all the technical information I’m going to provide to back myself up. The HQ-180 and 180A was a vacuum-tube circuit, double and triple conversion receiver, with continuous tuning from 340 kHz to 30 MHz. It has bandspread tuning of 80/75, 40, 20, 15, and 10 meter ham bands, four switchable selectivity options including 500, 2000, 4000, and 6000 Hz., upper and lower sidebands independently selectable at 1.0, 2.0, and 3.0 KHz at 6 dB down. Other features: antenna trimmer, AF/RF gain controls, a large, clear S-meter (still considered by many today to be the best ever made), series-type noise limiter, BFO/product detector, phone jack, slot filter (notch) plus or minus 5 KHz of center frequency, vernier passband tuning plus or minus 3 KHz, send and receive switch, built-in 100 kHz calibrator, AGC off-slow-medium-fast. Finally, the HQ-180AC was the model with the built-in 24-hour clock which ran as long as the set was plugged into the wall. The HQ-180AX model provided 11 fixed-frequency crystal-controlled receive frequencies. This priced at $575 in 1970.

Now that the complicated stuff is out of the way, let me give a little indication from the pages of FRENDX. In April 1977, the Hammurabi HQ-180 ranked fifth among the top ten receivers used by reporters to FRENDX...that’s behind the DX-150A, SX-190, DX-160, and Drake SPR-4. **** The SPR-4 was a very popular receiver from the day it was released, although initial editions had some problems which were ironed out by Drake. The SPR-4 was used by many top DXers. But even as the solid state revolution began to exert its pull on the SWL community, the classic old tube receivers such as the HQ-180A held their ground. In March 1972, Richard E. Wood reviewed the SPR-4 and compared it to the HQ-180A:

"The S-meter is thus useless especially when contrasted with that of the HQ-180A. Similarly, the audio quality suffers in comparison with the Hammurabi. Another HQ-180 feature missing from the SPR-4 is selectable sideband choice without automatic switch-in of the BFO. Finally, the choice of an audio plug for the antenna socket doesn’t appeal to me. It is not comparable to the HQ-180A’s choice of coaxial socket or 2 "A" and 1 "G" mounting screws. In addition, the noise blanker does not appear to work and is not recommended."

In April 1972, Frank Peters reviewed the Collins 51-S1, considered by many to be the finest receiver manufactured for DX purposes. In Frank’s words: "Evaluating the performance of the 51S1, I used as a standard the performance of what I consider to be the best DX receiver on the market -- the HQ-180. In my opinion, the 51S1 comes fairly close when pitted directly against the 180. Except for one drawback in the 51S1’s performance -- the wide bandwidth -- I feel it compares quite favorably with the HQ-180 and with the added luxury of direct frequency readout, I can’t help think that if the HQ-180 (while retaining the same basic circuitry, although modernized and miniaturized) incorporated a direct readout, then it too would fall in the high price range of the Collins 51S1."

Yet another indication of the respect the HQ-180A gained over the years as a top-flight DX receiver was the degree of attention it received in the 1973 edition of Communications Handbook. No photograph of the 180A itself, but the following comments by the author were used to compare other receivers with what the writer obviously considered to be one of the best DX receivers around at the time:

"In these days of increased band crowding, variable selectivity is perhaps the most important (attribute). You should look for the maximum possible variety of options in choice of bandwidth, upper and lower sideband, and filtering. In deciding on a receiver it pays to try it out on all possible settings and combinations of settings. A highly effective setting on the Hammurabi HQ-180A is in terms of readability of an AM signal in a crowded band, is the broadest bandwidth (nominally 3 KHz) coupled with single sideband (upper generally best). This is one of the many options and combinations on the HQ-180 and it is one which is not available (without circuit modification) on those receivers which automatically switch in the BFO when a sideband is selected."
Many listeners will prefer the calibration system found on the better tube-type receivers, the HQ-180A and SP-600. And the HQ-180A meter is among the best for the SWL.

Need I say more? I will. April 1973, just about the time the HQ-180A was being taken out of production (a dark day for the SWL community), Perry Ferrell of GILFER had this comment printed in FRENDX: "The best receiver I've ever used, regardless of cost! On the international bands, I still use the Squires Sanders 18S. I think if I were primarily interested in SW, I would still stick with the HQ-180A as the best receiver on that band, because of its enormous flexibility."

One more from FRENDX history. In September 1972, perhaps the biggest DX event of the decade took place. During a major geomagnetic storm, the Falkland Islands Broadcasting Service was logged on 1942.5 KHz. I recall the envy I felt as I read the log report that month! Alvin Sizer and F. Earle Hall were the lucky ones. The receivers? Of course, HQ-180A. I think you get the point, although I may be stretching it a bit for the purposes of my nostalgic trip. But for me, the truth is that the HQ-180A has proven itself time and time again, in difficult circumstances. The radio is a consistent performer, truly the finest piece of shortwave receiving equipment I've ever used.

Now, even people like Perry Ferrell and Larry Magne changed their minds about the 180 as the market started to change towards solid state, stable, digital readout models, without the heat problems and stability drawbacks of the 180 and other tube sets. I recall Perry saying once that the Hammarlund "tended to go down hill" after a while, i.e., off frequency and less stable. In May 1981, Larry Magne said in FRENDX: "I feel the HQ-180 series, with its poor analog readout, wide-skirted selectivity, bassy audio, and tendency to overload, is past its prime..." Well, to be sure, there were problems with the HQ-180A. Aside from the obvious one of stability (and even that isn't a really serious problem), the main bandswitch would become loose over time, and contacts with each frequency range would become less definite. Some people used regular type TV tuner cleaning fluid or spray to clean up their bandswitches, and later found (to their horror) that the HQ-180 had taken a flying leap into the twilight zone of off-frequency. The older model HQ-180, with the big rectifier tube in the back, produced more heat than the newer HQ-180A. But there are those persons, myself included, who almost prefer the older 180. It seems to have a smoother SSB capability. And, by the way, the only major difference between the 180 and 180A, as Jerry Berg has pointed out in FRENDX articles in the past, is this: the big rectifier tube is gone in the 180A, replaced by two silicon diode rectifiers which, according to the manual, were "to provide cooler operation and better regulation from the power supply." Also, a three-position BFO switch is provided, enabling the BFO to be in the off position, SSB, where the BFO is fixed for optimum SSB audio response with reference to the passband. The CW position enables the BFO to be adjusted plus or minus 2 KHz, providing the usual pitch adjustment.

But, so much for the 180's problems. Other than an occasional sticky clock on mine, and a misadjusted slot filter, I have absolutely no difficulties with the Hammarlund since I first traded in my Allied portable for one in 1971. I'd much rather talk about the qualities of the HQ-180A. First, AUDIO. The HQ-180's audio, I believe, has been surpassed by that of very few receivers. It has a clean, smooth quality to it while at the same time a powerful and un-suppressed sound. In my early years, I used to listen without headphones (a major mistake!), and the fine audio of the receiver always made it easier to hear rather than more difficult (which is something too many receivers nowadays tend to do). With the original Hammarlund speaker, you can fill a room with Iran or the Falklands with no problem.

Second, the vernier tuning control. This control does for the HQ-180 what the various phasing controls do for the Collins 51A. In conjunction with the 180's slot filter (which is a little less sharp than the one on the SP-4) you can use the vernier to fine-tune ANYTHING, and once the receiver is warmed up and fairly stable, it will not drift. In March 1973, John Callarman reported on how to use the 180 with frequency readout to get direct readings to the nearest 0.1 KHz, in conjunction with the vernier.

Third, the selectivity and sidebands. This is there the overall combination of features found on the 180 begins to make a difference. You have the ability to tune regular AM, using both the vernier and slot filter, and switch in selectivity and sidebands, OR you can use them all on SSB, in SOS, excited carrier mode! Now, combine these with the remaining options: You have a four-position AGC switch, which unlike some of the modern PLL receivers with simple in-out buttons, gives you four choices. This makes a difference when it comes to digging the hardest DX out of the mud!! Finally, you have a noise blanker (variable) and an optional I.F. noise silencer. The latter, according to the manual, "is introduced into the approximate middle of the receiver circuitry to silence the receiver during short duration of any individual noise pulses." And one thing about the RF gain control. For those who say you should always keep the RF at maximum when DXing, I say "humbug!" In some of the most difficult and ear-straining situations, turning the RF down slightly has brought me a rare DX
catch. Oh, and I shouldn't forget to mention the 24-hour clock, which can be set to
turn the HQ-180 on at a certain preset time.

O.K., fine, you say....what has the HQ-180 done for you over the years, Dan?
Well, this is really what this review is all about, the proof of my DX theorem. To
start, I don't even have to go back ten years to examine my old loggings. What I'd like
to do is focus on specific examples of difficult reception in which the HQ-180A has
managed, by using the combinations outlined on the previous pages, to bring a hard-to-
hear station in at a listenable level.

COMORO ISLANDS: Long one of the most sought after DX catches, this station has a window
of reception on the East Coast from about 0255-0330 GMT; on the seem-
ingly impossible frequency of 3331, just above CHU. I have heard it
several times since 1970, always on the HQ-180 rather than on the SPR-4, R-390, or SX-190
(which I used for a short time). Exalted carrier is a must with Comoro. On the 180A,
I first switched to SSb, and zero-beat CHU. Then, selecting upper or lower depending on
which was best, I slowly tuned the vernier until I detected the Comoro carrier, reading
on this particular night 3330.7. Selectivity in this situation could be at 1 kHz but no more
as the audio became distorted. Finally, after manipulating the vernier in conjunc-
tion with the sidebands and selectivity, I inserted the slot filter to eliminate the
serious het coming from CHU as much as possible. Voila!!! INSTANT COMOROS!!! Well, it
wasn't that easy, but even without the slot injected Moroni was there with Koran chants.
In short, the vernier tuning capability is an amazingly sharp control which allows the
DXer to feel the frequency. And, as all DXers know, you can't just hear the signal, you
have to feel it, and feel the interference in order to know what action to take with the
controls of the receiver. This is something I think the modern receivers lack, especially
with regard to a notch control. You'll pay $1,700 for an R7A with a notch; just as much
for an RRD-515 without one!

ANGOLA, APRIL 23, 1974: I always like to point to this reception, Radio Clube de Malanje,
to demonstrate how well the HQ-180A performs in a tight spot.
This station, officially listed on 4960 kHz, was in fact trans-
mittting on 4941 kHz. That's right, one kHz above Ivory Coast. That's probably why so
few North American DXers heard it...they didn't have the equipment or the patience to
separate the two. But just before 2300 GMT I detected a slight het on 4940 Abidjan.
Now I was using the SPR-4 at the time, but without selectivity options or independent
sideband I knew I'd have no chance. I turned the 180 to 4940, zero-beat Ivory Coast,
and tuned up until I had zeroed the carrier of what I thought was Malanje. Amazingly,
without much more than two selectivity positions and upper sideband, a clear ID rang
out with full sign-off announcements! There you have it. One kHz separation, NO digital
readout, and a QSL tucked safely away. The same thing happened, by the way, on such
stations as Radio Clube de Lobito, Angola, on 4937 or Radio Comercial, Angola, on 4794
which, as I recall, was always interferred with by a station on 4795.

TURKS ISLAND: Let's see if I can remember, perhaps, one of the most difficult tests for
the 180, and another which it passed with flying colors. Back in 1974
(perhaps it was 1973), Turks and Caicos's shortwave transmitter (with "500
watts of golden broadcast power" as they once stated in a piece we ran on 4788). Well, this
would have been no problem, except that they were smack between South Africa on 4790,
and what I believe was Radio Ribamar in Brazil. If I can say one thing about the HQ-180A,
it performed better on many occasions when challenged with two hets rather than one.
In this case, separating Turks from South Africa was the first obstacle to be overcome.
But, once that was done, the weaker Brazilian was no problem. Many controls used in tun-
ing this one were the vernier (of course), the 1 kHz selectivity position, and USB and
LSB in AM mode.

I could go on forever, choosing examples of fine HQ-180A performance. Before I end this
rather long piece, I will mention some other memorable DX catches snared by the 180.
MAURITIUS (on 9709, this has always been hard with co-channel QRM from the Soviet Union
and Malaysia, but often separable on the 180); ETHIOPIA (the old Radio Ethiopia on 6186
with 3331 kHz from Comoros); 3MI (Radio Comoros on 4416); COMORE (on 4642, which was sometimes audible in the afternoon); ZAIRE (Radio Kisangani on 6085, and
Radio Lubumbashi on 11867, both difficult frequencies).

In conclusion, I should also add that the HQ-180 has (if it's in good shape with a
recent tune-up) extraordinary sensitivity on the 120 meter band, probably better than
any receiver I've used. I recall listening to the sign-on of St. Denis, Reunion, on its
3446 frequency with a beautiful guitar IS, and soft French announcer. In addition, the
120 meter Zimbabwe (Rhodesia back then) channels, Papuans, and, last but not least, the
FINS which I first heard on the 180 because the SPR-4 couldn't hack it on 2 MHz.
What can I possibly say to end this very personal journey through time with my HQ-180? Well, one thing I could say is that last December, after having used a number of classic receivers like the S1V4, SX-190, R-290, and a variety of others, I ran across a true rarity -- an HQ-180AX in virtually new condition. Needless to say, I bought it to keep my other HQ-180C company. I still have the SPR-4 and R-390, but my thing isn't collecting receivers, it's collecting and using good receivers. After using many of the recognized classics, I have concluded that the HQ-180 is the one for me, as long as the bandswitch lasts, and the tubes are available. But, it's more than just a very deep respect for a fine piece of equipment. I honestly believe manufacturers are not putting everything into today's digital high-priced miracle sets that they could. For almost a $2,000 investment, I think SWLs and DXers should be getting more than they are. O.K., granted the HQ-180 doesn't have a 96-channel memory like the NRD-315. Granted, the R7A has passband tuning, a notch filter, five selectivity positions, and RIT. But then, the Drake B4B has passband tuning (although it can't quite compare) and didn't cost $1,700 new. The HQ-180, for me, was a receiver to learn on. I learned the "feel" of the bands, that almost imperceptible something that told me there was a station to be searched for, a heterodyne to be examined. People ask me today, in amazement, how I can distinguish frequencies on a Hammarlund, without a digital outboard attachment or chart. I can do it because I became one with the receiver, staring intensely into those two lighted Hammarlund dials, sweating over the logbook at 4:30 AM, and thus understanding the methods that I believe, for many of us, have raised the mere hobby of long-distance radio reception to an art. Many of the skills that one acquires from using a receiver like the HQ-180A are, I think, lost to those who begin on digital sets that lack the basic audio processing controls that the Hammarlund people put on the 180, or that so many of the older receivers possess. This is unfortunate. As for me, I'm going to hold on to the Hammrundls for some time. However, if some kind philanthropist wants to donate $1,700 to my R7A fund, I'll.....well, I'd take it in a minute!!

A FEW MORE SUNDAY'S "IT SOUNDS TO ME"

Although "It Sounds To Me" is coming up later in the column, I have a few more comments on the question of publicity. The first one is from Sam Alcorn of PA, who writes:
"Sure, we can do more to publicize our hobby. We can start by making ourselves available to the press. A recent example comes to mind.

"During the Falklands war, Argentine Annie was being heard nightly by SWLs in the United States and abroad. As a business reporter for Dow Jones Radio, I got my editor interested in a story.

"I put Argentine Annie on tape and got comments from both the British and Argentine embassies. That wasn't enough for my editor. He wanted comments from a recognized listener.

"(Names deleted to protect the innocent, but are two prominent hobbyists) strike me as two of the most credible sources in this country. I couldn't reach either. And, as a result, the editor spiked the story. Rightly so. The story was incomplete without their comment.

"I'd like to see NASWA designate a couple of press contacts. Not just anyone, though. These contacts should take their hobby seriously and have some qualifications to back them up.

"What do you think?"

I'd be all for it, Sam -- perhaps ANHERE would be the proper body to sponsor press contacts, however. Any takeers?"

Finally, from a new member, Ms. Eileen C. Hofmaster, via Bill Oliver, comes several pages of interesting clippings and photos, mementoes of her activity as a hobbyist between the two World Wars. From Sandusky, OH, she heard many different stations worldwide, and collected mementoes such as Christmas cards, QSL cards, and varied souvenirs. The one article which interested me most was a news article about a display Ms. Hofmaster put together and displayed in a local radio store. One of the major items is a QSL from the Hindenburg on its maiden voyage to the United States.

The major point I want to make, however, is that in past years shortwave was actually on the pages of newspapers and magazines not intended for enthusiasts only. Today, it's hard to find such articles in the major media. When such articles are printed, more often than not the SWL is identified as an amateur radio operator. My question to the membership is this: Can we get more media exposure for our hobby such as Ms. Hofmaster got in the 1930's? If anyone has had an article printed about their SWL activities in the local/regional/national media, I'd like to hear about it and, if possible, get a copy. Remember, publicity is 99% of the battle!
The recent passing of the Newark News Radio Club brought with it a sense of great loss. This organization was one of the first radio clubs ever to be formed. Its broad coverage of the radio hobby for all waves began with a loose association of radio enthusiasts in 1927. With sponsorship by the Newark News paper, this club became the granddaddy of all open membership radio clubs. The newspaper folded in 1974 or thereabouts, and now the NNRC has ceased to function after 55 years of service and fellowship. Some day it will be reactivated — rumors are making the circuit that a new club will be formed from the ashes of the old. Whatever the case may be, the Newark News radio Club was born, lived, and died with class. This article is dedicated to those of us who were members. This is a look at what the clubs were doing during the zenith of the radio hobby.

The labeling of a period of time is a rather difficult task to accomplish with any degree of certainty. The 60's, for instance, might have been the decade of the Beatles, or the 70's might also have been the decade of Vietnam. In attempting to label a period of time, one must understand the ultimate name will be a reflection of the author's perspective. In this manner, I would like to put forward the "thirties" as "The Golden Age of Radio." While I cannot claim this proposal as originally my own, I wish to carry this idea to a greater degree. From the state of electronics, rural electrification, quality, diversity of programming, and the refinement of the art of entertainment, I would pose the time span of 1937 to 1941 as the "high water mark" of radio. Three factors contribute to this declaration: a look at life in America, the publications that the hobby spawned, and the clubs that developed to share the excitement and experiences others in the hobby. To quote from one of the more popular serials of the day: "Come on now, as we return to the days of yesteryear..."

America was a rural nation. More people made their living through agriculture than through industry. The pace of life was much slower than that which we find today. Vision was in its infancy, in much the same way that video systems are about five years ago. The family entertainment center was the console radio. It stood about four feet tall; it was constructed of walnut and mahogany; in all probability, it covered the AM, FM, and shortwave (or "foreign") bands, up to 18 Mc.

On the standard broadcast band, one would find Amos and Andy, the Lone Ranger, the Bowery Boys, and many more imagination-provoking dramas, serials, and comedies. Try tuning in the CBS radio dramas for a taste of what it was like. Another alternative on the dial were the Midwest, baseball games were carried on vast networks, and the radio stations reached the entire country. Walter Winchell and Ed Murrow were "speech" into millions of homes on a daily basis with the respect recently accorded to such personalities as Cher and Walter Cronkite.

If any one of you are "scanner freaks" you could have followed the exploits of Elrod in the first tuning range. You may have worked on your code speed listening to "brass pounders" on the 80 and 160 meter ham bands. Perhaps you were a radio fan and saw (or reads) of the old Bowery Boys flick who eavesdropped on government transmissions. A amalgam of services and bands also shared the Police Band with broadcasters, feeders, and experimenters.
The decade of the thirties encompassed the years when shortwave radio blossomed. There was a steadily expanding contingent of high-frequency stations coming onto the 'ether.' QSL cards were big game trophies, and even grandma was a DXer. Perhaps grandma wanted to hear music from the old country. Dad sat transfixed before the set as the BBC Empire Service told of the latest Nazi rumblings. The "Happy Station" entertained mom after dinner with light pop music (sound familiar?). The local priest waited patiently to hear the Pope's mass direct from the Vatican; meanwhile, the nuns gathered around their set to hear some Latin music from Havana on La Voz de Radio Philco.

Quite a bit of diverse fare from the family box! It all contributed to the making of a market for journals and magazines that printed information on everything from when and where to tune for the latest hog reports (a la VKRP), to how to align a receiver. Interspersed between these two areas were articles on new equipment and receivers, troubleshooters, SW and BCB station listings, QSL information, and even some articles on the entertainment medium of the future -- television. (Editor's Note: The coronation of King Edward in 1938 was broadcast on BBC Television. While this was very limited in scope, and television was not to come into its own until after the war, the Coronation serves as a good point to signal the beginning of the 'changing of the guard,' so to speak.)

The praeeminent publication in radio was the Radio News, which was, of course, a Gernsback effort. Through the years the name was altered (Radio News & The Short Waves, Radio News & Short Wave Radio), by the time these various changes of name and content had progressed to Electronics World from Radio and TV News (May 1959), the magazine had taken its final form. The late thirties saw the publication of no less than eight major monthly magazines devoted to the hobby of radio. These publications were: Radio, QST, Radio World, Communications, Radio Craft, Short Wave & Television/Radio & Television, All Wave Radio, and Radio Today.

If one may assume that the number of words printed, the amount of paper distributed, or the number of titles offered may be used as a directly-proportional indicator of the interest generated by a subject, then my original thesis will surely stand. Many enthusiasts subscribed to several, if not all, of the above-mentioned periodicals.

If you find the above listing of radio magazines to be somewhat amazing, the following list of radio clubs must surely strike you as being incredible. The clubs and magazines formed a symbiotic relationship. A club member or neighbor may have introduced you to the hobby, following which, you went out and read more articles. Conversely, a radio magazine may have caught your eye on a newsstand and thereby you were led to become active in a club.

However the clubs gained their membership is not at issue here -- the fact that there were so many active clubs with large rosters is the main point of interest. The Newark News Radio Club can be regarded as the prototypical American club. It popularized radio, and especially DXing.

The following clubs were affiliated with the Radio News "DX Corner" column. The "DX Corner" had been formed in 1934 to disseminate information on the shortwave spectrum. This was an outgrowth of the Long Island listening post of the Radio News, which had begun operation in early 1930. The Listening Post then expanded by appointing "official observers" from throughout the country and the world. It proved to be so popular that a separate "DX Corner" was established for BC waves less than a year later (the former "DX Corner" then being subtitled "for Short Waves"). In addition to the NNRC and the Radio News Listening Post, the following clubs were active affiliates in 1937:


In terms of sheer numbers, the listing above represents an awesome amount of interest in radio as a hobby. Yet, perhaps of greater interest to us, gazing back in retrospective, were the activities of some of these clubs.

Most of these organizations covered both SW and SW bands. The officers and members of several of these clubs would contact BCB stations in order to set up special DX or QRP broadcasts. These specials were usually held on early Monday mornings from 0700 to 1100 Z, and dedicated to the club and "DX Corner."

Strings of these specials were organized by the UDXC wherein, on a given night, one could copy stations from coast-to-coast as they signed on and off for thirty minutes at a time. These insomnia specials were termed "UDXC Frolics." NNRC helped to foster these specials, as did the IDA, SRC, and the CDXR. The IDA even sponsored a view of special broadcasts from Radio Jerusalem on 668 kc.

Some of the clubs offered contests for their members. The NZDXC offered (annually) a silver cup for the member with the greatest number of contacts outside of NZ and Aussie stations. A more intriguing prize was offered by the International 6000-12500 Mile SW
Club in their "World Champion DX Contest." In return for conscientious DXing from January 1, 1937 to January 1, 1939, one of their members became the proud owner of a Silver Masterpiece VI. The runner-up received a Sky Buddy.

Even some of the smaller regional clubs were active in these price giveaways. The New Hampshire Radio Club put on a contest and, among the door prizes, gave a brand new all-wave set to a lucky member.

Alas, enter the television; its popularization in the early fifties cut deeply into the radio hobby. Entertainment was visual and, most of the stars migrated over from the radio studios. George and Gracie, Sid and Imogene, Amos and Andy (with a few cast changes), and, of course, everyone's favorite uncle -- Milton. All made the switch.

With all of these points in mind, I was saddened indeed to see the passing of an institution. The NNRC may have fallen victim to being broadbased in an age of specialization, or it may have suffered from the recent economic troubles, with resultant strains on the wallets of multi-club members. It is to be hoped that the DX Reporters will be able to revive some of the spirit and history of the NNRC. The Newark News Radio Club survived the onslaught of television; it survived the demise of its original sponsor; it survived the Great Depression. After weathering these storms, how could the club disappear without a trace? Impossible!

** * * * * * *

As we enter the DX season, let me express my sincere best wishes to you all. Best of DX.

A note on last month's Hammarlund list: it was not meant to be exhaustive of the Hammarlund line, only of the tube models. Thus the HQ-220 was left out, intentionally. However, the HQ-180AX, and the HQ-200, both all-tube models, were left out by accident. An update will be printed after investigation.

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** IT SOUNDS TO ME! **

by Chris Hansen

Instead of beginning with my thoughts this month, I am going to begin with an almost complete exposition of Russ Lay's on my article last month in re publicity and the shortwave hobby. Russ says:

"I think one...needs a working definition of 'hobbyist.' You mention that we have 1,000,000 potential active hobbyists, yet only about 7,000 members of various clubs. If the vast majority of these 1,000,000 listeners are doing so strictly for ethnic or informational reasons, then, as you say, there is no need to reach them. With the possible exception of expanding their listening options for more stations, a club like NASWA would be of no use to them.

"Moving from this point, the question then becomes 'Do we as active hobbyists wish to promote SW listening to the general populace,...or do we wish to promote the 'hobby' of shortwave listening, which would entail DXing, QSLing, and the like?' With this question answered, we can then begin to look at options.

"Americans by nature seem unconcerned about the world around them until some part of the world one day...affects them. Thus, I find it doubtful shortwave listening will ever catch on in a big way, just as magazines and periodicals that deal with foreign affairs (World Press Review, Foreign Policy, et al.) have never caught on. However, some steps could be taken to increase shortwave listening and shortwave "hobbying".

"First, I think the stations themselves must make an effort to make their presence known. It is beyond me why some of the bigger stations (BBC, SW, RCI) do not collectively advertise their existence through selective media. That would be a start.

"Secondly, the makers of shortwave receivers do a poor job of getting the message across. Most of their advertising is geared toward people who already are into the shortwave scene, filled with gobs of tech specs. Why don't they use enticing ads, explaining the existence of English language shortwave and the value to an "intelligent" person wishing to expand his/her horizons? ... Media such as Time, Newsweek, and the like would be good sources.... People reading these magazines have an interest in the world around them already, so why not heighten it? Running ads in Popular Electronics or the WATH is like preaching to the converted.

"(Now let's look at how to increase the number of hobbyists.) The shortwave clubs, and ANARC in particular, have done a poor job in publicizing the shortwave hobby.
"The most glaring mistake has been the lack of cooperation between ANARC and the makers of shortwave radios and equipment. I think one reason why the vast majority of 1,000,000 potential hobbyists aren't hobbyists is because they do not know how to use their radios, and soon grow bored with them. We all know most owner's manuals are poorly written in regard to the shortwave spectrum, with no explanation of the SW phenomenon, poor examples of how to read frequencies, and idiotic logs of shortwave stations for the user to try to find. I should think that every time someone buys a radio, a flyer from ANARC would be enclosed. It would explain the radio hobby, explain the fact that English transmissions are there for the asking, and point out that there are many great clubs to aid the new listener in shortwave as a hobby. This would work to mutual advantage -- for the receiver makers, they would have a happy customer who would not get bored with his or her new toy. By keeping the customer happy, the manufacturer can count on further sales... antennas, preselectors, and, later on, better radios. For us, it would mean more members. Along the same lines, I find it interesting that no one in the hobby has ever published the figures on sales of R-1000's, DX-302's, and Panasonic/Sony. These figures would give us a rough indication of how many potential hobbyists are 'out there.'

(Russ here presents an argument for merging SW clubs -- we've all heard the argument before, so I'll leave it as given and we'll go on, ch)

"...I think the clubs must adapt themselves to the times, and to their members. While we call ourselves a 'fraternity,' we act much differently. The hobby is no longer as fun as it used to be. While it seems obvious to me that most of our members are casual DXers and SWLs, the clubs still are geared to the hardcore DXer. Editors cut out all SWL-type stations, so a club from an Angolan regional that was heard 6 weeks ago on a freak opening can be printed...a logging of dubious worth to the vast majority of members, and probably of little worth to most hardcore DXers, since freak openings do not occur every day. The poor guy who paid his $16.00 and wants to find RSA's latest frequencies will have to leaf through 3 back issues in hopes that a sked was printed. To make matters worse, we are now moving to make the hobby a 'science.' Send in only your BEST DX loggings; make sure that you know what you heard, and give this many details, not just ID, RX, time check. And, God forbid, if someone makes a mistake or is just plain stupid, we admonish him in public, or, if he's lucky, anonymously. Hell, these people are paying us money to have us tell them what to report, how to report, and that their routine loggings will not be printed... Indeed, I have the strange feeling that 'we DXers' abuse these people...we use their dues and their numbers to print a nice, low-cost bulletin, and then we exclude them by printing what "we DXers" want to see.

"What I am saying here is that if we do a good job in publicity, get members to join us...by leaps and bounds -- we will probably turn most of them off after they read one or two bulletins. In all my life I've never seen a 'hobby' where nasty remarks and snobby attitudes abound so. The fact that you had to bring up the 'maybe we really don't want more hobbyists' (they'll swamp even more stations with reports...continuing the swift decline of QSL's!) tells much about the hobby.

"However, ANARC and her clubs are all we have. Hauser made a good stab with "RIB," and we may gain some interest through Popular Communications, but in the long run the esoteric titles and flavors of these magazines would consign them to the bottom shelf of the rack, a place where only radio hobbyists and the like will find them.

"...I guess I sound harsh, especially since I am a DXer as well as a SWL... That is how I feel, however. I left the hobby in 1975 because of the inane bickering...SWL vs. DXer, elitist, and the like. I came back 7 years later to the same stuff. Until we grow up, we'll never grow 'out.'" --30-

Lord, Russ -- I'm afraid I disagree with many of your points. This whole thing is obliquely the SWL vs. DXer argument all over again, and we don't want to stir up that pot again, do we? However, as a logging editor for 9 years, I'd like to rebut only your stand on loggings and the editor of your preoccupation with accuracy and good DX. I find that most of my readers and reporters have no intention of being anything but listeners -- the serious DXers are a minority. However, whether one is a serious DXer or a casual listener, accuracy in logging reports is valuable both for the reference value of the column and for accuracy's own sake. Are you suggesting that, as a logging editor, I ought to print a report which I know to be inaccurate, simply because it was submitted to be printed? Your remarks above imply this. As an editor, having a limited amount of space, I have a responsibility to all members to print accurate loggings. I think I should end this here, but if a logging editor wants to respond at length, by all means, you are welcome to do so.

Let's allow my subject of last month to carry over until next month -- that is, what is the value of publicity to the hobby and how do we go about it. If anyone has any concrete suggestions to offer on increasing publicity, please write about them to me, Chris Hansen, at the address at the beginning of SWC.
HAMMARLUND HQ-100 - Lot of receiver, lot of performance, but small in price

During the Hammarlund heyday of receiver manufacturing, there came a period when case styles changed and remained the Hammarlund standard until the company sold out in the mid-1970's. The 1957 model HQ-100 was among the first to be marketed in the new case style.

It covers .54 to 30 MHz in four bands. Bandspread is calibrated for the amateur bands, but this is a small inconvenience to the dedicated SWL hobbyist who knows how to make good SWBC graphs using the logging scale.

Controls include a Q-multiplier for variable selectivity; antenna trimmer; noise limiter; and variable BFO. The single-conversion HQ-100 employs a HF oscillator which is temperature compensated for stability...and it works marvelously. The ten tubes are still very much available on the market today.

HQ-100 measures approximately 16" wide, 10" high and 9' deep. One option available included an electric timer clock. Weight was about 40 lbs. New price in 1957 was $180 for the clock model. It should be found today for about $85 to $100 if in clean and in-spec condition.

Sensitivity compares favorably with $500 receivers on today's market. The I.F. selectivity cannot be matched by most off-the-shelf receivers today without first doing some alterations so in vogue. Audio cleanness was a hallmark of Hammarlund engineering. My particular HQ-100 is not as sensitive on MW as I would like, and does not compare with, for example, the Panasonic RF-4900, which I have owned. Nor does it compare on MW with the Realistic DX-160, or a number of other Hallicrafters oldsters. SWBC is something else. There exists some minor internal harmonics due to its single-conversion design, but those harmonics are suppressed far more efficiently than those generated by the DX-160 and other reputable single-I.F. models. Overall performance runs rings around the DX-300 series. I would evaluate this middle-weight comparable to the RF-4900 if you do not consider the inconvenience of no digital readout - which could be added on outboard anyway.

ACTIVE ANTENNAS - What they are, why they work, and how to build a simple one

Miniature active antennas have been around for quite sometime. Basically, they are comprised of a short brass antenna element about 3 feet in length which is mounted out of doors along with a small weather-tight box of electronics, then fed down a length of coaxial cable to the receiver. The secret of its performance is in amplifying the weak signals heard up at the location of the element rather than down at the receiver location. This allows a great deal of improved signal level. Otherwise, signal voltage would drop off before getting to the receiver area. And, since amplifiers cannot tell the difference between what is signal, noise, etc., it all gets amplified. So, the obvious answer is to amplify as close to the antenna element as possible to avoid also amplifying any noise picked up by the lead-in.
Also of major consideration is the size and length of the element itself. Length should be chosen which will resonate with best efficiency for the spectrum you desire to monitor. Three feet is just about right for MW up thru SWBC.

The amplifier used is broadbanded in that it amplifies everything from MW on up well above 30 MHz. Depending upon the design, response may be more efficient in spot of the spectrum than in another. Hardly any of these type antennas can claim to be flat across the whole wave band. A lot of engineering must be considered to making such a flat response.

Due to the shortness of the prime element, and its vertical orientation, it is less prone to street ignition and power line noises. The active antenna usually feeds thru about 50 feet of coaxial cable to a receiver. Using less than this amount may tend to cause overload problems, so just coil up any excess cable in an out-of-the-way place. Figure (a) above shows the schematic and value of parts to be used. 

Figure (b) lists some of the hardware parts; figure (c) shows the construction details of mounting the antenna element and amplifier within a box; and figure (d) shows how to power the unit down at the receiver end. Some persons may prefer to use a ready-made amplifier from International Crystal Mfg. Co. in Oklahoma City, OK 73102. Ask for info on the BAX-1 unit. They also advertise in all the magazines.

A ½" dia. brass tube from a plumbing store will do nicely. Three feet is all you will need. Plug the top tip with chewing gum to keep out the rain. Use a Radio Shack hobby box (plastic 2x4x6) to house everything that will be on the roof. Drill a 1" hole on one side of one of the 2x4 ends. Insert the brass tube, flatten the end of the tube and drill a #6 hole thru the flat. Using a 3/4" stand-off and a #6 screw about 1½" long, affix the antenna so that is immobile inside the box. Mount the small amplifier inside also using some stand-offs. The coaxial cable protrudes thru the bottom and falls to the receiver location. Mounting the box is left to the user's ingenuity. Just don't let the antenna element itself touch anything. Seal all cracks with windshield cement when you are finished. At the receiver end of the line, we still have to devise a way to power the amplifier. This can be done either with batteries or with a small wall transformer. In any case, the supply must be DC and correct polarity observed or you could zap the project. In case you are wondering how the battery voltage and signal can share the same line, the battery is DC and the signal is AC. DC voltage is kept out of the receiver by the .1 cap shown, and also is kept out of the wrong path by the .1 cap in the amplifier. The AC is kept from feeding back into itself by the 2.5 mH choke which filters out the AC signal bypasses DC.

I have available several more-detailed plans about 4-pages long for anyone desiring a copy. $1.00 should adequately cover xerox and postage costs.

**MARKET PLACE TIDBITS** - New Stuff Out

Radio Shack 276-5002, $2.50. Engineer Notebook II. Neat-o schematics for the experimenter.

Galaxy Electronics, 3x 1202, 67 Eber Av. Akron, OH 44309 invites queries about their catalog. SWBC receivers!

**NRD-515: An observation**

While tuning the NRD-515, and noting the 3-meter reading on a steady signal, it seemed to me that the lower sideband skirt shape was a lot more steep than the upper sideband.

(Continued next page)
MARKET TIDBITS (Continued)

MFJ-1024 active antenna $130 plus shipping from MFJ, Bx 494, Mississippi State, MS 39762. Write for info catalog.

Grove Enterprises mini-model Tun-3 at $55 plus, covers longwave up thru shortwave. A passive tuning aid, this matches antenna to receiver. Grove, toll free 1-800-438-8155. (except in NC)

GE World Monitor II Looks suspiciously like a familiar Panasonic product, Blue digital readout, AM,FM, and SW. About $230.

NRD-515 Observation (Cont'd)

This may very well have been a peculiarity of the one receiver we saw, but I would advise the potential buyer to observe S-meter movement on a steady carrier signal to determine whether or not the lower and upper sidebands are symmetrical. S-meter deflection should fall away equally on each side of the carrier, KHz for KHz. Look for flats or rises of the meter needle as you tune up or down. Note how far in KHz such may be from the carrier. A distorted i.f. shape ain't so much fun after you've bought it.

Finally...our thanks to L. Gaines Robertson for his very imaginative and winning drawing of the dream receiver with everything! Oh, if only it was so.

DREAM RECEIVER

THIS ONE IS FOR REAL!! THE VIGILANT COMMUNICATIONS LTD MODEL SR-501

$2795.00. Let's get that one detail out of the way right away. News here of a British entry into the super DX rx market, available via Hamilton Communications Systems, Suite 4545, 1 World Trade Center, New York 10048.

Specifications: Completely digital and sytensized tuning by pushbutton, in steps of 100 Hz, but decaded so you can tune up or down real quick. Selectivity by crystal filters listed at 2.7 at 6 dB and 8 KHz at 60 dB. (Wide mode: 3 to 1 - fine!) AND, 1 KHz at 6 dB, 2.5 at 60 dB narrow mode! Also provides USB and LSB. Sensitivity on SSB/CW is 1 uV, 2.5 uV on AM at 70% modulation. Frequency coverage 50 KHz up to 30 MHz. Battery or AC. One watt to external speaker or internal speaker. (Uses a standard LM380 in case you blow one). Power consumption: 20 Watts max. Finally, the description given herewith is real and not a dream.

Some comments on plagiarism - copyrighted or not. For well over two years, Tab Books has published a SWBC text entitled "Hear All The Action" authored by one Van Waterford, an admitted pen name. Much of that work was lifted, in sentences and even whole paragraphs and sections - often word-for-word - from DXing According To NASWA. Since we did not feel the need to copyright information dedicated to NASWA members, you might consider doing us the courtesy of avoiding purchasing the pirate book, and tell Tab why. Thanks.
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K E Y Letters along left margin enable you to spot items in categories of interest: D = death, E = English, H = harmonic, J = jamming, L = program listening, M = mediumwave, P = future plans, Q = QSL info, S = stamps & postal, T = time jumps, V = television, X = DX programs.

ARGENTINA

BG 15/7. (Tony Jones, Paraguay) V71 rx dated 12/5 for LRA60, R Nacional Islas Malvinas, signed by Ernesto Dalmau, for 2370 reception (Tony Jones, R Nuevo Mundo) R Rivadavia 29/7 F 1030-1040 on 9690 w/relay from Osaka of boxing title match, also anci SW fgs of 6060, F, 10680 P w/RTTY QRM (Tetsuya Hirahara, R Nuevo Mundo) R Rivadavia, 15375, 26/7 0220, SP talk of Arg & USA, PR, clandy speeches, trumpets, ID; low coned w/talk, then bells, SID 454 (Pete Spaziano, Bricktown NJ, OMDC) R El Mundo hrdd during midstorm 14/7 just prior to 0300 w/EZL mx, soft vocals & strings, ID, M&W calk, on 6120. During same storm, the best reception of RAE 1170, 9690 I have ever heard, w/enhanced southern paths and USSR 25 m. Outlets missing; hrdd during EG 0230-0300 14/7; WW gave SP 250, A 80, K 8 (Robert Mounce, Antioch TN) The former Radiotronicas Argentinas svc seems renamed LRA Radio Nacional News Service (SP: El Servicio de Noticias de LRA Radio Nacional). On air daily 1100-2400, pgms incl natl, incl nx, interviews, commentaries, sports, other info pgms. Available on 9690 thurdr xmn spods and also 1500-1900 15345, 1500-2400 on 6060 (VBI 12/8) RAE ES 0000-0500 exc. Mon, Langs, as reported before, on 11710 9690 6180 6060. 1030-1200 JP-EQ-JP 1170. 1900-1945 AR & 1930-2000 EG on 15345.4, rest on 11710 only: 2000 GM, 2300 SP, 2100 FR, 2130 AR, 2200 GM, 2230 EG, 2300 IT, 2330-2400 FR—all not Suns. When not carrying ES or the DX mx svc, 11710 9690 6060 carry LRA R Nacional Bs As DS. Use of 6180 for ES has not been confirmed by monitoring obs (VBI 12/8)

ARGENTINA

On 11/7, an exceptional Af night, stns on 4885, 5013½ and 4896 were noted around 0500+. Undoubtedly they were Zaire, M'Pamba and Bté, but too much noise and QRM here to attempt any positive IDs (Bob Hill, Mountain View CA) R Nacional, Luanda, 0604 19/7, PT ID 0605 on 7215 (William Mellon, Park Union VA, Ozark Mt DX Club) ANDORRA, ANTARCTICA, LMI

ARGENTINA

OT 0300-0400, Sun 1300-0300, all in SP (Gabriel Iván Barrera, Buenos Aires, M 12/8) Gabriel, try for your MW info, but in this SWBC club I only use MW material that somehow ties into SW; I'm forwarding it to a Nam MW club (gh) R Nacional, Mendoza, still on 6179.3, F 11/7 from 0940 Arg mx, 1003 full ID for "LRA5, LRA5", never herd RAE here (Ernie Behr, Ont) R Malargüe, 6160, obs Sun 18/7 from around 1015 to past 1130, with 'Buenos días con música' - pgm of Arg folk mx. Weak sig thourrr. Other stn on fx, R Provincia de Misiones, currently inactive (Tony Jones, Paraguay) V71 rx dated 12/5 for LRA60, R Nacional Islas Malvinas, signed by Ernesto Dalmau, for 2370 reception (Tony Jones, R Nuevo Mundo) R Rivadavia 29/7 F 1030-1040 on 9690 w/relay from Osaka of boxing title match, also anci SW fgs of 6060, F, 10680 P w/RTTY QRM (Tetsuya Hirahara, R Nuevo Mundo) R Rivadavia, 15375, 26/7 0220, SP talk of Arg & USA, PR, clandy speeches, trumpets, ID; low coned w/talk, then bells, SID 454 (Pete Spaziano, Bricktown NJ, OMDC) R El Mundo hrdd during midstorm 14/7 just prior to 0300 w/EZL mx, soft vocals & strings, ID, M&W calk, on 6120. During same storm, the best reception of RAE 1170, 9690 I have ever heard, w/enhanced southern paths and USSR 25 m.

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AUSTRALIA 7RPH, Radio for the Print Handicapped, Hobart, Tasmania active since 26/6 on 1620
E kHz, ex-1648, 500 W, Mon-Fri 0700-1200, Sat 0700-1400. Addr is Box 1393-P, Hobart 7001 (Arthur Cussen, NZ, G6WRFN 5/8). Ant on Mt Nelson, a Hobart suburb, studios in another suburb, Newtown. No Sun, becomes now; first regular xmsn Sun 27/6, at 36m, semt; please note that fqn in 1982 WRTR, 1750 is incorrect; so far pqm consists of mx, readings from magazines and a few written items. Between Hobart and southern Tas, but poor in northern Tas where 3RPH at Melbourne is hbd better. V/s is Mr S. Toch, Tech. Officer. (Matthew Francis & Nick Ogrizek, ADXH) 1620 is poor choice, as marine beacon "O-R" has been there for years, severe QRM from it in Melbourne, and why out of the 1650-1750 range where other "RPH" and univ stns are? But it counts as 5WBC stn (Bob Padula, ARWDX) VLZTV, Radio University, 1750 kHz, from Concord West in Sydney, EG ID 1025 21/7 (Bill Burrows, Victoria, ADXN)

AUSTRIA Austrian R will make one fq ch affecting NAM from 5/9: 1230 xmsn on 21535 [ex 17880]
E Now I wonder where they will have their normal accompanying of QRM coming from the S8 period (Sandy Wayne Wilson, Muncie IN) South Africa, of course, instead of Moscow. But it looks anyway for the secret airing of Austrian SW Panorama, Sun 1234 (gh) Other ORF 582 changes: Eu 2000-2200 non-dir 9670 ex-9770, WAF 1900-2100 1560 ex-1515. SAF new xmsn 0600-0900 21555 ex-EAS, EAS 1100-1200 17810 ex-15225. SESA/AUS 0600-0900 21610-21500, 0900-1100 21610 ex-17825, 1200-1300 17895 ex-15415; longpath 0700-0900 1825 ex-15235 (AUSFP 15/8) Check 17895 at 1230 if 21535 isn't making it (gh) ORF testing new current ant w/100 kW: 0500-0700 17745, 1000-1200 21610, 1300-1400 21620 (SCDX 17/8) OEFX, Austrian Army R, hrd on 5029.9 0835 20/7, weak, pop mx in GM (Gordon Darling, UK, WDXC Contact p. 17) Regular 0940-1040 on 5029.7, GN M ancr, moreless; weak, RTTY QRM on USB (Gordon Darling, UK, WDXC Contact p. 37). more AUSTRIA: BANGALORE; RELATON, hq = last minute info

BOLIVIA Due to milly relaxation, several stns hbd again, R Movisn in Santa Ana de Yacuama on 4479 and R Aberoa, Riberalta, 4711, included (Odd Jørgen Sagdahl, Norway; SCDX 20/7) R Norte, Santa Cruz hrd: 0100-0200 on 4936 (Alexander Firsov, Moscow USSR, SCDX 27/7) List in WB1-

tn on 4940, nominal 4935 (George Wood, SCIDX Ed.) Emisora Santa Ana, Yacuama province, F-G 19/ 7 on 4886.3 at: 2325-2359, ID taped. (R. Cotroneo, Calabria, Play-DX) 4886.2, Rdf Santa Ana, talk & mx 9/7 2340, F in SP (Gordon Darling, UK, WDXC Contact) R Pio XII in Siglo XX (Potosi Dept) obs on 5952; stn on air 1300-1500 (WBI 5/8) New stn hrd 26/4 on 3885 to 0108*, R Libertad, Entre Rios, Tarija Dept, chat's 110 km east of Tarija city, at 1200m altitude. They log "Voz y expresion del puebllo de Entre Rios" now s/off 0130* (Emilio Pedro Pozzoboni, Argentina) LA UK Report via Hiram. (R. Magsig, Monclo, R Libertad, 3885; believed in town of Reyes, Beni, nom *2300 but sometimes as late as *2315; stn varies 0105/0135, and no Sun xmsn; mainly mx, few amts, always by same ancr; no ads (Tony Jones, Paraguay, dire-

tect) RMMN misquoted him 12/8 w/fq as 3385; as did Espacio Direccion 13/8 quoting ADXL (gh) R Stentor QSL says will resume ops around 15/7 on 6197, 10 kW directional says the director (John Moritz, FT, via WDXC Contact) QSL after many f/up from Sr Fernando Chiappe Z., dir., says to resume, directional SE to principal cities of Bolivian interior, so he doubts NAM recep-

tion will be as good as previously; SW skd 1000-1010 with first 75 mins-in Aymará, rest in ST. Lack of answer previously due to misunderstanding; QSL employees assumed any reps rdx after left SW even tho f/ups, were by definition erroneous. Addr is Casilla 1140, whereas studio is at Loayza 317 in R Este (R Ralph F. Barry, NJ, Radio Nuevo Mundo, Japan) On 6184 since 15/7 after several days around 6195. Per amts nom skd is 1000-2200, but leaves 6184 between 2230 & 2235. Wants reports & promises to confirm (Tony Jones, Paraguay) Obs on 6185 2/8 (WBI 5/8) And now, another complete Bolivian update from Tony Jones. Paraguay: 5/8 bolivian shortwave activity, as monitored during the period July 10-August 3, 1982

3280, R. Chace (Yacuuma) 0045-0200 (Sum:1100-2300)
3410, R. San Miguel (Riberalta) 1000-7 and ?-0200 (all days).
3330, R. Chacar (Monteagudo) seemingly inactive, not traced of this or any other frequency.
3340, R. Viloco (Viloco) inactive.
3350, R. 27 de Diciembre (Villa Montes) 2200-0200 (Sun:1200-1000)
3370, R. Florida (Samaipata).1100-7 and test.2100-0200 (Sum:1100-2000, believed continuous) Nominal freq: 3262 KHz, according to w/on announcement.
3390, R. Umayo, "La Voz del Trabajador del Riauto" (Yama) inactive.
3390, R. Camargo (Camargo) 2200-0200.
3480, R. Padilla (Padilla) 2300-0200 (all days).
3685, R. Libertad (believed to be located in Reyes, Beni) 2300-0100 (v-0130); no Sunday transmission; 3685 KHz both the nominal and observed frequency.
3560, R. Camarapa (Camara) possibly inactive, not traced on this, the nominal frequency, nor on former 4043 or 4093 KHz.
4472/4478/4482, R. Movisn (Santa Ana de Yacuuma) test.1100-? and test. 2200-03000 (v-0430)
4536, R. 23 de Marzo (Tupiza) is obsd one day only during July, to 0307 s/off; 4640 nominal 4640, R. Padilla (Padilla) 1100-0400 (all days); 4775 nominal.
4708, R. La Voz de la Frontera (Puerto Suarez) inactive.
4720, R. Abaram (Riberalta) 1000-03030 (v-0500); 4750 nominal.
4740, R. Mamer (Guayaquil) 1100-7 and test.2100-0200 (all days): 4750 nominal.
4750, R. Bolivia (Oruro) s/on 0900; evening reception virtually impossible, and the status' presence is noted only as a strong heterodyne on the Brasilina. R. Educación Kural. The heterodyne is often noted to about 0630, but sometimes earlier; it is seldom whether the cause is just a carrier left on after programming.
ends, or whether the station is on extended schedule. My personal belief is that the nominal schedule is still 0600-0400.

4773. H. Los Andes (Tarija) irregular from *1100; has been having transmitter difficulties for several months. Nominal schedule believed to be still 1100-0300.

4783. H. Ballivián (San Boral) *1200 (all days); a/off not known, but apparently no evening transmission.

4797. H. Nueva América (La Paz) *1100; out SW before end of broadcast (e.g. at 0300, 0330) but nominal schedule still believed to be 1000-0400.

4809. R. Frontiers (Yacuiba) inactive.

4817. R. Nacional (La Paz) *0900 (all days); evening reception not possible.

4833. R. Arigota (Santa Cruz de la Sierra) 1000-0300 (Sun:1100-2400); nominal freq: 4825

4845. R. Fides (Santa Cruz de la Sierra) 1100-1730 and 2230-0100v (v-0300); Sun:1230-1730 and 2230-0100v (NW is different; *1100 and 0300* (weekdays); *1200 and 0200* (Sundays).)

4853. R. Paititi (Queyaramarca) active, though schedule not known; never heard before 1100 or after 0300, though never caught at either a/on or a/off. *Predominantly weak until 0900, then stronger and clearer.*

4873. R. La Cruz del Sur (La Paz) 0630-1230 and 1200-0100 (Sun:0630-1200); on Sundays a/off as of 0900.

4885. R. Sararenda (Camiri) *1100, with transmissions varying in length; sometimes leaves the air at 2100, once noted to 2200, but more often than not leaves SW sometime between 1800 and 1930 (when reception extremely difficult due to utility interference).

4897. H. Santa Ana, "La Voz de Yacuma" (Santa Ana de Yacuma) 1200-7 and 2200-0200 (daily). Nominal freq: 4865 KHz.

5013. R. Amboro (Santa Cruz de la Sierra) inactive.

5019v. R. Norte (Montaño) 1000-0300 (Sun:1100;1100v-0200)

5045. R. Illimani (La Paz) 1000-0400 (all days)

5065. R. Sararenda Vallettiros (San Ignacio de Velasco) 1000-1400 and 1900-0015 (Sun:1100-2200).

Note: the weekday a/on is almost certainly seasonal, and will probably change to *0600 soon; this seasonal variation has been observed for at least two years.

5080. R. Matallón Topater (Oruro) 1000-0300 (Sat:1000-0400; Sun:1100-0030)

5090. H. Beal (Magdalena) *1230v-7 (Sun:1700); weekend transmissions heard to past 1800, when reception no longer possible.

5091. R. Animas (Choquey) inactive.

5103. R. Cristal (La Paz) 1100-0300 (Sun:1100-0200); again announcing 6125 KHz in parallel (ex-6045) but nothing heard on the latter frequency when R. Stentor not present (q.v.)

5120. R. Dos de Febrero (Wrennesbaque) not known if active - a very bad channel.

5130. R. Cuarto Centenario (Tupiza) active, but full schedule not known.

5143. R. Altiplano (La Paz) inactive.

5152. R. Kober (Kobora) inactive

5170. R. Machuyo (San Amado) not traced anywhere - believed to have moved to another frequency.

5193. R. Centinela (Tupiza) 1200-0200 (Sun:1110; a/off not known, but sometimes between 1600 and 2000, when signal indiscernible)

5197. R. Corocoro (Corocoro) inactive.

5204. R. Pié Dose (Siglo Veinte) 1100-1200 and 1800-7 (Sun: continuous schedule, with no break at 1300-1500).

5203. H. Nacional (Humuni) inactive.

5207. R. Nacional (Cochabamba) fades-in anytime after 1000, though never before 1200.

5269. R. Loyola (Sucre) either on reduced schedule or inactive; difficult to check due to interference from the Paraguayan, R. La Voz del Amazon.

6009. R. Progreso (La Paz); often fades-in shortly before 1100 (though sometimes as early as 1030) then continuous until past 0030, when reception becomes virtually impossible due to co-channel interference from BBC World Service.

6029. R. Illimani (La Paz) 1000-0400 (v-9945)

6059. R. El Condor (La Paz) inactive.

6062. R. Al de Diciembre (Catavi) inactive.

6105. R. Panamericana (La Paz) 1000-0030 (changed from 0430 during July; not known if temporary or semi-permanent; Sun:1100-2200. *9906-1100v (all days); sometimes observed on 964 KHz.*

6120v. R. Santa Cruz (Santa Cruz de la Sierra) currently irregular, and never before 1100.

6140. R. Luia de Fuentes (Tarija) 1200-2000 (Sun:1200, and currently clearing around 1600)

6153. R. Pidas (La Paz) 1100-1730 and 2230-0100v (v-0300); Sun:1230-1730 and 2230-0100v (v-0323).

6178. R. Indomeymer (Potual) active, but schedule not known.

6180. R. Batallón Colorados (La Paz) inactive.

6182. R. Stentor (La Paz) 1000-2230 (all days); sometimes observed on 604 KHz.

6190v. R. La Vida (Berme) 1100v-1800; evening reception not possible.

Note: R. Sararenda, R. Nueva America, and R. Panamericana need further checking in order to establish true schedules (Tony Jones, Paraguay) Tax, Tony, very fine work as usual!"
BRAZIL R Cultura Bahia, 9595, modern ID, great listening 13/7 (Jay Novello, NY) R Cultura da Bahia, back on 9595 from 0000-8:30 & 10:30-4:00, & 5:00 to 6:00. Ed. Brazil, 17/7 0114 on 1100 kHz: bits of mm, talk, ID, fare, fading thru 24 Cleveland, an item you can't use in UN (Jay Novello, NY). R Globo, Rio hrd at exceptionally strong lvl 2/8 around 0900 on 11805 w/o "Globo no ao N", reports w/ add. 8, some Brazil country mm; feature on soccer & the next World Cup (what else?). A pretty well put-together stn. Also picked up R Nacional da Amazonia, Brasilia, testing on new 9680, replacing 15645. VG sig from f/m 2300 to 0300 3/6 & 4/6, w/informatie talkshow, mm, nice samba mm. ID's every half hour still strong 11780 & 15645; next day they were back on 19m (Carlos Avogaro, Los Angeles CA, 5/8). Did you mean August instead of June? (gh) Particulars of R Cultura de Sao Paulo SW mmtr: Site at 23-30-42 S, 46-43-41 W. ZYEB99-617815 uses delta dipole w/ @ dB gain, beamaw 28°, 7.5 kW at 0900-0500; Phillips HX1 20124/14 (Fri-Sun); tower height 12m. ZYEB99-9745 same type ant on 7.700m tower, beamaw 19°41', 7.5 kW at 1100-2300; mmtr is by Eletron. Bras. SW-7500-POOC - FEB, ZYEB96-17815 has simple dipole, 2.15 dB gain, 8.20m tower, 32° beam, 1.0 kW 0900-0500, Philips HX2 20117/12 (Fri-Sun) via Takayuki Inoue, RNM. LANDXing, 8/2 ed) 32° is right on New Bedford MA, PT-speaking area, coincidence? see USA.
CUBA WW obliterated 28/7 by R Moscow via Cuba on 10000, 2000 t/in until 0135*. What are the Cubans/Russians up to? (Shawn McDaniel, TN) Cuban relay on 10 MHz again 28/7 0040+0500*, zero-beat to WW.

There is auiltin getting to be boring (Robert Mounce, Antioch TN) Cuban jammers at 1000 8/7, around 1,000 watts, one w/warbling carrier, another w/a light FM'd buzz not unlike J the one on 1182, also noted. 1st first time heard on 1182 in 3 or 4 yrs. But what is on this freq to jam? Maybe no one told them that R Swan is off the air (David Crawford, FL) DX South Florida) until LP stn 0310 18/7 on 660 under a jammer, grating to be specific. Not electrical noise, couldn't ID stn, usually a Max here (Shane Mercer, Tyler TX) OMDC "La Tropical de Orizaba" 0535+ heard here (gh, Ed M) WMS via Havana o/MM 2/2000 11810; Cuba WMS (Steve Webster, FL) Radio o/MM 2/2000 0900-1500 UTC on 9630 (Chuck Bolland, FL) 2/2000-8/7.

CZECHOSLOVAKIA Prague, add 1 freq for EG to NAM 0300-0357 26/7 is 11970, 9/950 etc (Matthew E Francies, Tasmania, ADXN) Two new freqs for ENAM & Lam, reports wanted, 0100-0157 & 0300-0357, 11970 & 9630 on both bcs. 8/3 I found 9630 heavy co-channel QRN [Spain], 11970 w/heavy noise [jamming] during 0300 xmn (Pete Spaziano, NJ, OMDC) A useless experiment (gh)

CHILE DX pgm in Chile--this is a first! By Stgo stn R Agricultura, CB57 on 9630 & 570 kHz, every Sat 1400-1430 on the pgm "El Club del Hobby de R Agricultura". Contribs can be to DX-editor Carlos Toledo V, R Agricultura, Casilla 40-D, Santiago (Gabriel Iván Barrera, Argentina, 12/8) Slightly different details in a 27/7 SCDX report also from Gabriel: one Saturday a month at 1300-1400; editor's name concludes with Vargudo, addr of his is Casilla 166, San Fernando, VI Región, Chile (gh) Since 3/7 Sat 1400-1500 UTC on 9630 (Toledo, 16/8, direct)

DENMARK R Denmark's new xmt is a 100 kW Brown Boveri but they are keeping it to 50 kW since that's the present antenna can handle, and it is in a densely built-up area, right outside Copenhagen, could be within the city today. When xmt site built, must be some 50 yrs ago, land was all farmers fields. Doubt any more ants installed here [Herstedvester], as PAG, responsible agency, plans to build a 1000 kW in northern Jutland, and 2000 kW in southern Jutland, in 1985, but may not happen now--PTT forgot to tell Paul to ask Per if they could do what they intended. So now bird and nature lovers are up in arms, insisting that lots of birds will be killed as ant will be in the route of their migratory path. This is a lot of BS--if they have to take this into account they can't put the antennas up anywhere! And they claim building ugly radio towers will spoil the nature of the area (John Kammersgaard, Laranont, via ODXA DX Insight) R Denmark has the same CE that it had from the very beginning. He's quite elderly and has been known to forget to switch the xmt on; prefers the old one and sometimes fires it up instead of the new (really second-hand) one, for old time's sake (Steve Webster, JX Ontario ed., paraphrasing Andy Sennitt)

ECUADOR HCJB's extra bc to NAM 0030-0130 [EG] hrd on 15180 23 & 25/7 not 15175 as listed & ganced (Alan Rose, WDCX Contact) Not usual for them to make such shifts, but I hold every station responsible for announcing accurate freqs at all times no matter how much trouble it is for them (gh) S82 EG HCJB changes: Eu 0600-0730 15225 11810; 1730-1800 & 1900-2000 on 21675 & 21685 ex-17790; 2130-2200 on those two plus 15340 ex-15295. No changes to SPAC (Joe Hanlon, PA, from DXFL 27/7) And to NAM only change is 11910 ex-11915 0500-0700 (gh) As a matter of fact, 15180 is the listed S82 freq for NAM EG alc svc 0030-0130, also for S&AM

EGYPT R Cairo to Ams: 2300-0015 PT Sam on unconfirmed 15360; may have been retimed to 2215-2330 on 15420. 0000-0200 AR NAM "V of Egypt" on 12000. 0045-0200 SP S&GCAM 11175 9740 9475. 0200-0300 AR NAMs on 9675; 0200-0300 AR to S&GCAM unconfirmed and may have been retimed to 2330-0045. 0200-0300 EG NAM 12000 9475. S&SEAS: 17920 1115-1215 AR, 1215-1330 EG, 1330-1430 EG. 21645 1130-1215 TI, 1215-1345 IN, 1345-1430 ML, 17690 1430-1530 HD, 1530-1700 UD. N&ME: 15175 1500-1600 Pashto. 15155 1530-1630 SM, 1630-1730 AF, 1730-1830 AH. 11975 1530-1720 SH. 17785 1600-1745 ZL, 1645-1730 Shona, 1730-1815 Ndebele. 15255 1630-1830 EG, 1830-1915 Lingala. 2120 1900-2100 HS, 2100-2200 YR. 15375 unconfirmed: 1830-1930 Wolof, 1830-2030 Bambara, 2030-2200 EG. 15335 unconfirmed: 1930-2030 Fulani, 2030-2230 FR. Eu: 9805 1800 IT, 1900 GM, 2000 FR, 2115-2245 EG. (VBI 5/8) On the basis of this rather thin sked, often on one freq at a time and even unconfirmable, R Cairo is still rated by scholars as a major world's major external broadcasters, on the basis of hours on the air per week. There must be something wrong with their system (gh)

FRANCE BEI says it will inaugurate IAm svc in two stages: first, from 1/10 a 3-hr daily svc in TR, SP, Braz PT 2200-0200 via Allouis & Issoudun xmtst in France, targeted on Antillier, Caribbean, Cam, E & NSAm coasts. Second, from 1/1/84, with 4 xmtst in service from Mosiog...
in French Guiana—RFI'd I'd be able to cover all IAM and would be continuous 21h daily svc in FR, SP & Braz PT (WBI 29/7). As usual, nothing said about bothering with NAM (gh)

GABON Have Africa No. 1 vacated: 11940? Not hrd for a while from 0500 as of 18/7: 15200 still hrd but not on 7200, 4811 or 11755. Any ideas? (Matthew Francis, Tasmania, ADXN) I still hear 4811v in our mornings (Peter Bunn, Vic., ADXN Ed.). ANO hrd on 9710 Sun 8/8 w/ usual FR pgm: to 2300**. //11940, both vy strong; 9710 not hrd again till 15/8. 2000-2300**, so must be Sundays only (Ernie Behr, Ont). Intl SW Centre in Moyabi is testing on 17855 & 17890: s/on varies between 0700 & 1000, to 1700**. Religious pgm "Perspective Reform" in FR Fri 0630-0645 on 17880 believed to be via ANO tho no ID given (Richard Gibney, South Africa via SC/DX via RA Japan 18/7?) Libreville hrd on clear 9544 kHz to 2300*, first harmonic of 4777 (Rolf Löwaröen, Oslo, Norway) Second (gh) more, LMI

GERMANY WEST Frankfurt-Rüssel-Angemökel ngp paper reported 28/7 that DW's planned TV svc in US has been postponed. Had planned to start 3h of pgms per week via US cable nets in 1983; initial aid from Fed Govt for this was to have been DM 4 million (WBI 5/8) see USA

GHANA R Ghana ES hrd fairly well lately on 6130, 1700 FR, 1800 HS, 1855 EG, says to 2200* (Richard Gibney, RSA, RNNN 12/8)

GREECE The two Macedonian n/nets are varying daily; noted them as close as 2 kHz apart; 15048 //15050 on 15/5; one of them has fast power breaks & carrier goes off much later than the other one at 2115v. Two different sites? (Ernie Behr, Ont) R Stn Macedonie hrd off q9 again, this time on 15055 (Joe Hanlon, PA, 5/8) Some have speculated this is a cland; in fact it does appear in the 1982 WRTK, p 98, as Thessaloniki regional stn; when was it first? It was only on 9815 & 9855, and the name R Stn Macedonie' never appears (gh). The military stn YENED became second net of ERT 29/7; I was visiting them the day before; they had dropped 6045 due to bed reception, 5 kHz; 200-kHz Athens outlet on MW 981 is bad due to unfavorable QTH, whilst 50 kHz on 1179 gets out much better (Rudy van Dalen, RNNN 19/8)


GUINEA Le Voix de la Révolution seems to have a somewhat irregular sked on 9650 & 15310v as noted since 17/7 when hrd 0648-0754**; on 22/7 both n/nets *0732; 25/7 both obs around 0045 but neither on 0700 & 0730; 26/7 9650 on at 0658 but 15310v absent. 31m sig has QRM from Spain (Bob Hill, Mountain View CA)

HATTI R Citadelle, 6156 reactivated, noted 2301-2355 17/8 w/G sig in hat, mereyng, many ads; again 1215-1300 18/8 w/Creeole W DJ, clear IDs, ads, morning ballad/LZL pgm; enjoyable listening & glad it's back (Terry L Krueger, FL) note, LMI

HONDURAS HRVC on 6820 suffers from jamming as hrd 27/7 0339, perhaps coming from Nic or El Salvador rebels? Second check 0343 indicated jamming increased; pgm in SP (Joe Hanlon, PA) We should be quite careful in what we call jamming; pse describe this; for instance, mis-tuned studio transmitter links can produce a noise that might resemble jamming (gh)

INDIA Vividh Bharati pgm from Madras 7235 and Bombay 9615 noted 2/8 around 1320 w/droning regas; 6 pips 1330, 5 mins of talk, then back to mx; both poor w/7235 slightly better (Bob Hill, CA) AIR now on 9910 [9912?] w/better sig than //11620-UK Corner 26/7 around 2100 was fairly typical of report/reports to AIR and was apparently a repeat. They said next one would be 9/7, or did they mean 9/8? (Ed Bromley, Port Union, Nfld) Recent mid-J8 changes to AIR sked: NEA-GOS-1 2245-0115 on new 17805 ex-17865 //15330 11500. Reports wanted on new channel: home mx in HD to 15151, India, Aug ADXN) 17865 once reported to have W/NAM as secondary target area but 17805 too? This data is more recent than BCC/M AIR sked issued 29/7, so I won't use it, but 828 may bring further changes (gh) AIR reports 1/8 that all AIR stns are to be linked thru Indian nati satl nat-1 so that pgms could be relayed simultaneously. Linking of 10 AIR stns w/Delhi expected to be completed by end of Aug. Stns are: Srinagar, Jaipur, Bhopal, Cachar, Manip, Kohima, Cuttack, Trivandrum, Ahmedabad and Hyderabad. Some already started; 16 more stns to have satl links by 3/8; 41 of 55 AIR stns by end of 1983 (WBI 5/8) That should mean a reduction or elimination of SW feeders, but not that vastive coding as expect from network satl feeds in the US—witness Moscow's louzy feed via satellite to Havana (gh)

INDONESIA Strong RRI on 6812 hrd 26/7 & 25/7, i.a. on nati net 1200-1320v, goes to net on h for mx. First day that IDs clearly indicated "Palu" as site at 1359 & 1410; second day I was aghast at the clear "Padang" after net mx at-1410. Perhaps they didn't cut in early enough w/their own ID that day to avoid that or relayed stn -- there is a difference on those on-hour mxfeed and the 1200-1320v stretch, both seeming off-air but the short mxfeeds poor and fady, perhaps indicating different sources. Anyway, PRC on 6810 makes USB product detec- tion requisite here (David Newkirk, Seattle WA) RRI Padang now hrd +1000-1600* on new 6812 ex-4003, G (Tutsorn) Kito & Atsunori Ishida, Japan, IDMR 44 undated ca July) RRI Falu now cannot be hrd on regular fm of 3960 (Atsunori-Ishida, ibid.) 6812, RRI Padang, strong on this odd new fm, ID 1544 23/7 then regional mx, ancing only WM & FM (Robert Yeo, Vic., ADXN) Jak nx 1200, into own pgm 1223, many radio plays 19/7 (Craig Seager, Vic., ADXN)

IRAN has moved to 9033 apg and sig too 9033 was but modulation remains quite atr- rocircious at times; hrd in EG 2000 w/mx 26/7 & 27/7 (Ed Bromley, Port Union Nfld) Since 20/7 V1RI-9022 mx/hr has been misaligned on 9033 ap, ES in GM, FR, TK, EG at 1730 1800 1830 1930
resps as well as Persian 1630-1730 & 2030+ (WBI 29/7). Tehran on new 9034 Farsi Vyar strong 0200-1100 28/7 // 15084 (Matthew Francis, Tasmania, ADRM) 6/8 I was vy fortunate to rx decent sig from VIRI on 9022--a long time since they've been audible, to 2030* as usual (Steven R Lare, Holland MI) VIRI reverted to 9022 4/8 (WBI 12/8)

IMAO R Baghdad HS hrd on 6280 to 1759* (Rolf Lövström, Oslo, Norway)

IRELAND Now seems unlikely that gvt will move to close the many unlicenced radio stns.

P Present gvt does not have an overall majority and is dependent on support of minority parties and independents and thus is unlikely to introduce what would be very unpopular legislation (Patrick Healy, Ireland, SCIDX 27/7) Irish pirates like to base themselves in hotels--due to lack of guests and proximity of drink, free publicity in exchange for rent. No sign of new radio legislation in Ireland. R Dublin & R Nova may return to SW before end of winter; were on 6910 and 6205 resp. Northwest Radio, 1615-1630 kHz weekends w/80 watts. Govt doing nothing about pirates; no one minds exc RTE; the gvt even advertises on Sunshine R instead of RTE due to its larger audience! (John Campbell, RNM 12/8) Community Radio Fingal hrd on 3168, 2 x 1584 4/7 2215-2300 F/w/pops & dets; quite G this nite but attempts on other eggs only brings heavy CW QRN (Chris Gibbons, WDRC Contact)

ISRAEL El Al passengers will soon be able to listen to the box of Israel Radio and the Army Radio Strn while aloft, a company spokesman said last week. El Al is in the process of installing in its planes a system which will enable pilots to tune passengers wearing headphones into these channels (Jerusalem Post 20-26/6 via Michael Schneider, New Palz NY) So will they be relying on SW feeds to reach El Al planes all over the world, and will this mean the return of Galei Zahal to SW? (gh)

ITALY World Music Radio [formerly via Andorra] is making a comeback; tests on 6219 are to begin any time, irregularly but becoming 24h, automated. May QSY if Lebanon 6215 QRM, 11565 to be added later for daytime; or both on 24h in //. MW xmr also available. Pgm will be produced in the Amsterdam and Copenhagen studios. Tests will ID as "ARQ" and give the stn carrying the program, which I won't reveal here. Project will be officially launched 2/9 at a Milan radio exhibition. Powers, 5 kW on 1300, 5 kW on 6219 and another 10 kW SW in a few weeks. Reports wanted to P O Box 4078, Amsterdam. 2 IRCs required, 4 if by airmail (Andy Sennett, Denmark, RNM 19/8) Another private stn is R International, 1621 kHz from Verona, northern Italy, 300 W into omni ant, QSL by letter, addr: C.so [sic] Porta Fa-ilio 36, 1-3712 Verona (Fabrizio Magrone, Forli, Italy, July WWAX DX Magazine) more... LNI

JAPAN NS/R Tampa, 1530-1900 on 9595, strange FE reception all day 30/6, lasting well into afternoon, affecting 31m only. All noted faded to near nil around 1745 but came back stronger than before around 1905. Fadeout began again 1804, and by 1900 most stns were inaudible as the Euros in/f. Usually random JP & mx bridges by Tomita on this one (David Crawford, FL, DXSF) To confirm how effective SB3 will be in improving reception, field experiments will be conducted by beaming R Japan ppgms to WNAM simultaneously with the actual broadcasting of the same ppgms. The experiments will cover two weeks from the end of Sept thru mid-Oct, and test-bc ppgms will be transmitted for about 5h daily to Pac coast of USA. A Japanese survey team is said to be sent to this area to monitor the test bc ppgms. R Japan will also be inviting general listeners residing in these areas to take this opportunity to positively serve as volunteer monitors by listening individually to the test-bc ppgms (Sept R Japan News via Bob Bodedell, OR) Pqs so far unknown, but no changes show in AM sked by WNM for regulars or generals; Sines relay sked 0700-0730 on 15190, 2200-2230 on J 11345 (via Bodedell) R Japan's 1300 CH hrd 14/8 11875 9625 7140 heavily jammed by "BA" (this one really gets around...) "NR" and others--perhaps jamming because of and to disappear after resolution of the JP history-whitewash scandal? Russian, part of same regional svc xmn, unjauncl at 1401 check, so apparently A-OV w/Soviets, not Beijing (Newkirk, WA) more LNI

KAMPUCHEA VOKP, Phon-Phem, ES to SEAs on 11938 9695 1360: 15 min ea for 75 min at 0000-0115 & 1200-1315 in this rotation: EG,FR,TI,LO,VT(WBI 12/8) VOKP DHS hrd on 6091 but not around 1730 since late May (Isao Ugusa, Japan, DXFL) See Aug LN-15 under C for sked

KASHMIR AZAD Am 1512 // 3670 around 1400. ID as "Azad Kashmir Radio - Muzaffarabad". The other AKR ppgms carry different ppgms, IDing as "AKR - Trarkehl". This is a clear indication that AKR has 2 studios (Taher Aftab, UADK) Good obs, "OM", Earlier, pgm relayed from Islamabad via AP18 on 6010 & 4980, ID as "AKR" only, so this seems to be a new development. Flash - on 9/7 found both 3670 & 4980 carrying different ppgms, IDing as Taher mentioned (Sa- rah Weerakoon, UADK Ed.)

KENYA VOK hrd 28/7 0323-0356 on 4915, G w/SH mx, mx (Shawn McDaniel, Rolling Prairie IN) Throuht 1/8 & 2/7 all audible VOK ppgms, 4934, 3915 and 4804, carried single svc w/anns in E SH & EG, to 2103* 1/8, 2018* 2/8. BCing returned to normal by 4/8 w/Matl & Genl svcvs as previously sked. In 1/8 arrt, all VOK RSTV staff based in Nairobi were requested to report to BCing House at 0515 the next day as usual. This included tech staff wheter on duty or not (WBI 5/8). The BBC does not mention it, the point of this is what changes were made in being due to the attempted coup in Kenya (gh) VOK at 1300 in EG, 1700 nx, 1703 pops, ads on 4885 when Bussacova off air. Not listed for EG or here eves; 16/6, 15/6 0500 SH pgm w/weak sigs P (Sarah Amikutawa, Kambwa, UADK) Expanding on last month's item: Kmsn facilities sked for imminent giant ES complex, 250 kW xmr at Koma Rock, near Machakos (SCIDX 6/7)

KOREA NORTH More Pyongyang fgs for non-EG -- AR 2100-2250 HAF/AF 9977, KR 1000-1050 SEAs
KOREA SOUTH
For S22, R Korea is registered to use 13 & 16m channels. As far as I can remember, the only time it operated on either band was in 1979 when it used 17740 kHz on 21520-21580 kHz 0600-0900 Eu/Neaf. 17790 250 kHz 0100-0330 Sam, 1800-2200 Au/Ne. 17870 100 kHz 2100-0300 Na, 17890 100 kHz 0600-0900 Su/Neaf. 21575 0330-0530 Me & 0600-0900 Eu 100 kHz 21580 100 kHz 1100-1300 Saas (ITU THPBS via Bob Padula, ADX0/1-un ID on 6348, 15/8 1126-1206, oriental-lang W & M, N singing oriental tune, then western rock mx. 1134 ID: but missed due to poor signal, then series of chimes; then the 'W a Friend We Have in Jesus:' more comments, hymn leading into religious pgm lasting till 1200 when nx by W. Previous FRENDEX reports give-ID as Echo of Hope, and KCB N Korea. Judging from format, I'd say Echo of Hope is better ID, unless NK has suddenly gotten religion. Also checked Pyongyang 6540 and that had different pgm. Poor (Charles Bolland, Lakeworth FL)

KUNNT
R Kuwait ES/5 is AR primarily for Eu now hrd 0815-1300 on 15150 ex-21685 (WBI 12/8)

LADS
Houa Phan hrd on 4657v to 1300+. Pakse on 6585-6591 to 14155 (Isao Ugusa, DXF2L 22/7)

LESOTHO
Whatever happened to BBC Lesotho? Haven't seen one mention of it in LN or LR since Nov 81 (Shawn McDaniel, IN) Novelty wore off quickly, I guess. Sked in Sept London Calling E as follows to SAf: 0400-0915 (Sat/Sun 1015) (including Af alts 0500-0545 & 0630-0700) on 9515; 1030-1745 on 11830 (incl Af alts 1615-1645 & 1700-1745), 1745-2030 on 6190. All this ws./in Eu; and surely as before for FT to Af 2030-2115 on 6100 chsot not specified (gh)
R Lesotho now running to 2115* daily, on 4800 (Richard Ginbay, RSA, RMMN 12/8) LATVIA LM
LIBERIA
Am enjoying ELBC eves here to 2400* on 3255--quite listenable w/interesting local L adts; apart from RSA on 3230, it's the most audible sig on 90m here (Ed Bromley, N1FD 27/7)

MADAGASCAR
RMN keeps changing cfq--ES 1700-1900 alternates 6135 & 3288; DS 3360 alts 3288 (Richard Ginbay, RSA, RMMN 12/8) Back on 3287 ex-3359 (Vesku Komulainen, Finland, SCDX 17/8)

MAIL/MAJSAY
RM, KL, EG 1330 on new 7160 //4950 (Gerald W Arrington, CA, SCDX 17/8) WTH QTH list E 1982 has this as Kuching, Sarawak, but not mentioned by Malaysia, Sabah or Sarawak (gh) and 4950 presumably still Kuching (gh)

MALDIVES
Still no sign of ES [SWn]; have introed new timesig w/short pipes, one long. Since T end of Ramadan, VOM on pre-Ramadan sked: 0030-0315(Fri 0500), 0800-0930, 1200-1730 on 1658 M kHz (Victor Goonatilake, Sri Lanka, UADX)

MAI
Hrd on 9637 up from listed 9635 hettig S'pore but easily separable 1400; also around 1630 on 11960 (Sarah Amikutowa, Zambia, UADX, Sri Lanka)

MALTA
Intl Christian R, via R Mediterranean, 9515, poor 11/8 2052-2115 EG M religious pgm, E full ID at off (Chuck Bolland, FL) Still there, eh, on "95.15"; they talked about finding a better channel and were once reported on 19m (gh)

MEXICO
KCFJ/ R Consentida, México, 18395 kHz noted on near 12th harmonic of 1560+ 1735-1815 w/ID; calls at top of hour, "La mejor en musica ranchera" slogan & many store ads: vy strong 18/8 (Terry L Krueger, Casselberry FL) Had checked for this several times based on previous reports but not hrd t; after receiving this report 21/8 checked again and there it was, booming in on peaks, hrd more or less continuously from 1753 t/in to f/out around 0100 22/8; Audio was quite clean, and made enjoyable listening. This is not a harmonic, as 12 x 1560 is 18720, would have to vary fundamental down to 1533 to land on 1896. For me it was a shade below 18395. ID tape mentions 20 kW, 24 hours. Tuning the vicinity, I 'discovered' another KCFJ/M stns in the 1950s which may help lead us to a solution of this mystery, both weaker than KCFJ/M by a fair margin. On one occasion attempted to contact 18455, at 1757 KEXR/1500 ID, "la R-H", just like the good old days when it was an intentional SV svc on 15110 & 11800. And on 18425, ID at 1803 as R. Onda, 1530, w/RMN=Múscio Radio Mil promos; 18425 peaked around 2100 when I could hear audio mix from another stn in background; frequent R Mil jingles; 2112 R. Onda ID after RMN nx. Have you noticed something about the fq relationships? 1500-1530-1560 are 30 kHz apart, and so are these--in this case with 19955 being the common zero-reference fq. Checked that, and only found weak carrier on 19955 which I doubt is involved in this. Checked entire range above 18455 every 30-40 kHz for signs of other Mexico City NW stns but no traces. Another clue; all 3 stns intermittently mixed with negative CW. That is, bursts of CW would key their carriers off (rather than on) simultaneously. So it seems these 3 kW sigs are somehow getting into a very broadband ute stn w/ide carrier most of the time between CW messages. Anyone with a better understanding of fmx whirls than I is invited to explain this further. I've never encountered a case like this before, tho I once had one Mexico City NW stn around 23-24 MHz which would not fit as a NFW harmonic either. Oh, I'm pretty sure the 3 stns do not share a common xmt stn (gh) XERX, R México Internacional, Pgm bulletin #3 [undated but seems E to be new] has this EG=I('cho titles given in SP): 2040-2045 daily México en un Minuto, 2045 L-2100 Tue/Thu/Sat Ayer y Hoy [other days same pgm in SP; as is mostly the case below]. 2210-2220 M/W/F Apoerias de México al Mundo, 2245-2255 Sun/Wed/Fri Trajes y Tipos de México. [after 0000 GMT here dates remain local] 0000-0010 M/F Celebridades Mexicanas; 0010-0020 Sun/Thu/Sat Cocina Mexicana, 0030-0100 Fri Esta Semana en México & 0100-0200 Fri La Hora de México. Sun 0315-0345 Esta Semana en México. Fq sked 2000-2200 1540, 2200-0330(Sun 0500) on that plus 17765-11770 9705 3985 (via Brian McGrew, Cincinatti OH) XEWW on 40m w/
SP talks & ads 0400-0425 /out 20/7; weak & hrd only when condx are perfect; must be vy lo power (Ernie Behr, One) 18 MHz Mex Cy MW stats hrd on a Sat; no trace of'em on Sun, Mon (g)

NAMIBIA Handwritten from RUB rad 5/8 for daily exc UTC Sun: 1200-1235, 1400-1635, 1645-1520 on 12070 7235 6383 (Steven R Lare, MI) RUB has replaced 7235 w/9575 for 1255-1330 & 1330-1400 xms in Mongolian & Std Ch resp, and for 1400-1430 & 1445-1520 EG. / 12070 (VBI 29/7) RUB has some new fts for FR ppgs: 1700-1730 M/W/F, repeated at 1730-1800 on 9576 & 17785 & P in Japan on both fts due to heavy QRM (JAIX via RA DX 18) / 1BR logged on 7260 / 4995 w/Mong ancres, MGM, orch sels; 4995 VP, 7260 P but improved by 1415; c/in was at 1345, 2/8 (Bob Hill, CA) RUB cropping up on numerous channels around 1200, e.g. 4080 4750 4830 4850 4895/= as high as 4907 4994 (David Foster, Australia, UADX)

ZAMBIA Several DXers here report hearing R SWA on new 3295 ex-4965. 3270 now carries vernacular only, per those reports I have not confirmed (Rolf Laétret, Oslo, Norway, 9/8) Cf Aug LN-22, a more likely ID for the Tristan tent, tho both equally unlikely to relay Austrian or Zambia's传媒 (gh) R SWA no longer relays regional news on SW Ch 1 in AK, CH, EG, GZ, uses 4965 0300-0615 & 1515-2200: 9650 0615-1515. GM & EG Mon-Fri 0830-1045. GM 1600-1700 & 1900-2200 on 1515 at 2000 Wed. All other times in AK. Ch 2 in vorns on 3270 0300-0515 & 1615-2200. H 7190 0515-1615 (Richard Ginney, RSA, SCDX 13/7) Now on MW too, hrd on 594 kHz AN; others registered that 748 882 963 990 1062 1557 (Ginney, RNMN 12/8) NETHERLANDS At the Int'l DXers Forum at ANARCON, Jonathan Marks reported that when the new Xmn site comes on the air in abt two years, there will be a complete restructuring of the sked—we may see NAM be moved back [forward] a few hours in order to accommodate RN's loyal listener in NB and the rest of the eastern seaboard. Xmnrs from both Bonaire and Flevoland may be employed (Steve Webster, DX Ontario) RN's financial situation is more secure now that its funds come out of annual licence fees and ads on domestic services (Espacio DX-ista 26/6) Little change evident in RN's S82 fsk sked affecting EG (gh)

NETHERLANDS ANTILLES [Cf Aug LN-20] TVR cut back its EG bc at 0400 to 55 mins using taped M material since the Caribbean Nightcall is done live and the host was on vacation; now it's back to normal (Jim Conrad, Waterloo IA, 21/8) KTVR DX pm SKLL reported that EG from Bonaire at 0045-0130 on 11755 has been discontinued (RA Japanese DX 1/8)

NEW ZEALAND When is Arthur Cushman's NZ DX pgm aired? Would like to hear it and reception X should be easy now (Bruce R Clarke, Rockville MD) Along with other 'spl SW pgm's, it's been dropped from RNZ to save a few bucks; however, you can still hear him on the first RN Media Network of the month, and his script read sometime or other on DX Party Line; and M ( garnered from QSL Radioworld) 15 kHz now has Arthur Cushman's Radio Report every Fri at 1115 GMT (Arthur Cushman, SCDX DX PK) sending your foot in the door in case RHEMA winds up reviewing the SW svc, eh? (gh) RNZ SW remains on air at least until 10/8 when BC Corp will review a report prepared by RNZ execs on future of svc. Some sort of annm is expected in mid-Aug at least on immediate plans (July NZ DX Times) Still going as usual on 21/8 check (gh) The Prime Minister's secretory now reports that 17 letters have been received, not just 30, protesting the proposed closedown of RNZ on SW; more certainly have been re-ceived by the Minister of Broadcasting (RNMN 19/8) RNZ SW sked for 582: Pac 1800-2115 on 11960 15485; 2130-0815 17705, 0830-1215 15485. Au 2130-0815 15485, 0830-1215 11960 (Arthur Cushman, RNMN 5/8) i.e., much like it has been (gh)

NICARAGUA R Zinica, 6120 hrd under "Hola, hola, hola" and OG QRM w/pqmp of mc expressing ad- miration for the socialist revolution incl at 1230 "She's a very kinky girl—the type you don't take home to mother, the girl is pretty kinky—she's a super freak." The jammer seemed to be either anti-Sandinista or anti-Kinky, 26/7 (Robert Wilkner, DX 3 Florida) VON ES in SP was 0940 0000-0000, inaugurated 24/2/80; includes news 0035-0040 ("This is Nicaragua"), 0105-0115, 0135-0140, 0200-0210, 0220-0230, 0300-0310; Commentary 0130-0135; "Today, Here, Now" news & commentary at 0230-0240. At 0300-0600, repeats of most of the pro- grammes in the 0000-0310 xmsn period (WBI 5/8) Honduran Cadena Audio Video reported 2/8 that powerful repeaters for Nic Sand TV Ch 6 had been installed in Mosquitia almost on the border w/Hond. Its xmsn seen thruout E Hond - in El Paraíso, Choluteca, Olancho and the Hoc- duran Mosquitia region. I.e., reported said Sand TV Ch 6 was the most powerful in the region, and in some places QRMed ch 5 & 3. Even if Teguci pik seen, weak blocked by the Nic. So residents of Catacamas and other E Hond places had been 'forced' to become viewers of Nic Ch 6. Hondas believed Nics had ulterior motives since Nic had launched campaign of misinformation about Hond. People watching Nic Ch 6 in Olancho said there was always a tendency to discredit Hond (WBI 5/8) The actual voice ch of the repeater(s) not given, but one on ch 6 could QRM both 3 and 5, whilst ch 6 might block the sound on ch 5 (gh)

NIGERIA VON aired 31/7 that FRNC would begin operating 24h svc in Jan 83, already having P placed orders [of what?] worth 42 meganaira for the svc (WBI 5/8) VON 12/7 2154 on 17700,
E SIO 353, EG press review, Nig mx, mostly drums, s/off & NA (Peter Spaziano, NJ, CMDC) Would expect to hear R RSA on 17780, and Nigeria on 17800 (gh)

NORMAT: WKK S82 proposes to reach WNNs at 0700-0830 w/100 kW on 25730 via long path as an extension of its EAF beam at 150°. The full eq sked, fqa joined by (?) presumably alternates; N. 250 kW, rest 100; underlined to NAM, -0700-0830 9590 25730 17775 21730*17770*.

1100-1230 6015 21730* 25730 25615 1300-1430 9590 25730 26030 17840*25615*. 1500-1630

21700/21475, 21730/25730, 25615, 21572*/26303*. 1700-1830 11870 21730*27530/27205*26303/25730* 11870 21730* 21700 2300-26300 15170 11870

5035, 0100-1300 11870 11870 11870 11870 0100-0430 11860 11870 15165/15175 11880. 0500-0630 11870 11740 17775* 15165/15175. May QSY up or down a fqa, and seek to avoid.

E QRM (WKK via Carl J Hanson, Denver CO) As usual EG during final half hour Sun + GMT. Note only. Apparently read through at 45 min xmnas as previously reported (gh) more LMK.

OMAN: R Oman during Ramadan s/on.1 hour later at 0300, now back to old sked as monitored for 4/7: 0200-0600 9510 11890, 0600-1100 15105 11890, 1100-1500 11820 11890, 1500-2010 9655 and E 11890. 1500 several days using 9510. EG at 0900-1100 (Victor Goonetilleke, Sri Lanka, UADX). Latest sked in AR exc EG 09-11: 9510 0155-0800, 15105 0800-1500, 9655 1500-2010, 11820*-apparently alternated w/11890--0155-2010 (Rodney Norris, Australia, SCIDX 27/7)

P.EASTERN: RP EG 1645-1745 now on new 15529 //11760 (Robert John Kerrigan, Au, SCIDX 6/7)

PARAGUAY: 29/4 at 5980 on 0949, R Guairá, Villarrica, reactivated in Guaraní, ada, local mx.

H 25/5 on 4420 to 0001 R LW de Misiones, Juan Bautista hrd on 3rd harmonic of MW 1413.3, ex-14277, now s/on 2400 w/full ID in SP (Emilio Pedro Povichn, Arg, LADX via RNH).

PAPUA NEW GUINEA (oops). Rare 6020 out at R North Solomons, Kieta, Bougainville, noted 26/7 from 0640 tune; pop vocals, M ancr. Low speech audio, severe QRM made copy tough, but positive ID as // Natl svc from Port Moresby 9520. Cut off abruptly 0655 as 9520 contd (Bob Hill, Mountain View CA) Madang 3260 noted testing as early as 1830; normal s/on 1930; PNG stns often test pre-s/on (Arthur Cushen, NZ, RNH 5/8).

PERU: R Orientes, Yurimaguas, coming thru almost nightly since 11/7 from 0210 or so up on 6189, variety of merengue-type stuff, música romántica and nondenstrat rock; mx audio OK but speech is very, very poor and nearly impossible to read. Also suffers severe slip down WOA-6190 till its 0300*, when WRMW 6185 s/on & splatters even worse. Runs to 0355-0403*, leaving air after playing "Theme from The Sting" and that unmistakable Peruvian NA, a hilarious, pschotic 2 semi-propaganda tapes "La Marseillaise" and "A Portuguesa". Haven't seen this one reported in the evening time period before (Bob Hill, Mountain View CA) R Nacional Mil Ocho, Lima, noted recently on 5095, rural songs, SP area 1130-1230 fades; seems to operate only very sporadically on SW (Peter Bunn, RA DX 8/8) R Imperial, 3935, 6/8 0945-1000 SP M w/mx. Full ID. Like many other Peruvians, plays canned IDs during mx; 0950s bg begun to discource lasting the entire hour; fair (Bolland, FL) R Images, Tarapoto, heard clearly on 5035, full ID, 0426-0530* w/NA 9/7; latest TBS's says "a day's best." (Gordon Bennett, WXDX) R'Arequipa, 6055, strong 9/7 0735 w/pop songs, rare SP anmt; one of their rare 24h skeds (Peter Bunn, Vic., ADXR) R El Sol de los Andes, 3255, 21/7 Ayamara pgm 1015; back on noon 3230 later in day & next morn; Was noted briefly on 3255, morm only, during 7/61 but never on other occasions (Tony Jones, Paraguay) hrd on 3250 to 1150 fade, 3230 nom in evens; 2 alternate fqa (ADXR vs. EX PDX-DX 13/8) tough until ID.M.'s on 5112 0405-0427, mx easier to hear than anmtts, QRM (Joe Hanlon, PA) No doubt R Eco. Univ. chick (gh) R Abancay, 4934, *1100 vy poor, I.V. better when peakig 1200-2000; fast mx, anmts to 1200; bounces back in over at 1207 by QRM as just "Abancay." Only audible on superb Drake R7, or to David Headland for looping it, separable from Tropical 4934.8 & Norte 4934.1. (Geoff Costier, Australia, R Nuevo Mundo, Japan) R'Arequipa changed name to R Nuevo.Arequipa (QSN via Aug LA-DX).

PHILIPPINES: RVA EG 0300-0100 SEAs 17815 15275 15135. 0300-0330 India & SL 17815 15275

15 1195: 1130-1200 SEAs 15210 11770 9605. 1430-1500 India & SL 15210 11955 9670. All eg L xmnas and w/mx summary (WBB 29/7) And for those of you in WNNs enjoying its mix w/RCT Sun-

day Morning, here's the lang sked then on 11955: 1300 Telugu, 1330 Sinhala, 1400 Tamil, 1430 EG, 1500 Viter -1530, all // 9670 15210 (gh) Jose Borromeo, BC Ops Mgr of Bureau of BCs Off of Media Affairs, responsible for PBS reply to my report on 6170, says that xmnas is primarily for internal svc owing to low power. 3268 & 9615 have been temporaray suspended P 24h. Still hoping to reintroduce overseas svc during late 1982 or early 1983 (Sarah Weekegdon, Sri Lanka, UADX)

POLAND: R-Poland to US & Canada: 1130 GMT or 5:30 am EST [sic] on 17865 11840 9525; 0200 E GMT or 9pm EST, and 0300 GMT or 10pm EST on 15120 11852 7270 7145 6135 6095. Tune in at your convenience. (R Polonia, undated sked via Krag K. Krista; VA)

PORTUGAL: R-Portugal moved to new 6075 ex-6155 in PT to 0530, then EG to 0600 for NAM. // E 9575 (Mathew Francis, Tasmania, RA DX 8/8) Final day of use was 11/7 (Don Rhodes, Vic., ADXR) Other 11/7 changes: for EG, 0300-0330 ENAM 9/7; 0300-0555 //91295; 1800-1830 AT 15245 X ex-15355//17880 [Sun 1700: on one of them]. DX every third week, next one 11/9 GMT Sat (Don Rhodes, ADXR) For 582, R Renascence, Lisbon tent sked: 9560 1045-1230, 7060 1645-1830 weekends // 11730 2300-0130 daily, all 100 km Mague xmt, first two for Eu, last one for SAm. (ITU THB8 via Bob Padula, ADXR)

QATAR: QBS again on 15505, hrd 13/8 as per sked in RIB 63, 'Romantic Words' still on at L 2115-2125 w/inst1 version of Lennon's 'Imagine'. I notice on diff days that time pips-2100
...are often off by about 10 secs from those of WWV; I7910 not hrD recently during this time period (Steven R Lare, Holland MI)

SAIPAN [or MARIANAS NORTHERN as some prefer] Projected S82 sked for FEBG: 17795 2100-0700, 17000 0700-1800, 9995 1800-2100, all pgm to Japan, 100 kW per ITU THFBS (Bob Padula, Vic.) I suggest you have confused FEBG w/the MARCOM stn KYOI, which is nearer completion; ITU

Q usually does not indicate which stn is meant, just the country, right? (gh) Due to weather delays, ants won't be up until Sept, tests maybe in Oct, and pgm start maybe 1/11. KYOI will mix EG amnts w/JP (Berger, MARCOM, via RNBN 19/8) In Montreal [ANARCON] I asked Tak Itagaki of Sony, who speaks JP, whether the call letters of KYOI mean anything in JP. The only thing the word sounded like was the JP word for perspiring underarms, or the JP word for big breast'. So take your pick. Seriously, there doesn't appear to be any significance (Steve Webster, DX Ont) I'm not sure, with subliminal things so faddish--and the call looks like it was picked to have a JP 'sound' (gh)

SAUDI ARABIA No doubt BSKS'A's jamming of Libya is intentional; noted since Apr on 17930 & J 17940, where they've followed every Libyan move at least six times. Also on 15450 since 15/7 // 17930, but BS KS'A pgm ends at 2100, then only jamming tone or het to 2300* (Ernie Behr, Ont) Projected S82 usage from different sites: Diriyah: 5875 7220 9720 11950 all 0230-0730 for AR H relay, also 1000-2300. Jeddah: 7290 AR 0230-0830 & 1000-2300; 11855 0500-0700 FR E 1100-1300 EG, (Th/F 1000-), 1500-1700 FR, 1700-2100 EG. 11870 AR 0500-1500. Riyad: 0300-0400 Farsi 15295 7245, 0400-0600 TK 11685 15060, 0500-0700 Koran 15335 11730, 0700-1000 Koran 21545 21555; 1000-1200 Indo 21705 17895, 1200-1300 EG 15345 17720; 1300-1500 UD 15345 17720, 1300-1700 AR 15060; 1500-1700 Turkestani 9685 7155; 1600-1700 SH 11915 15345; 1700-1900 AR 11685; 1700-1800 SM 11910 9520; 1800-1900 BB (Bambara) 7250 15125; 1900-2100 Koran 7250 11685; 1700-2300 AR 15060; 1900-2300 AR 9685. As extracted from ITU THFBS; out of band channels determined from comparison of past fq registrations; likely that actual fq usage will differ from the data shown here (Bob Padula, ADXN) /more, LMI

SEYCHELLES Troops loyal to the Socialist govt today recaptured the nati radio stn from dis-Mident soldiers holding it for two days, as alleged mag from Seychelles repd in Nairobi, Kena ya said, 'At one time the rebels totally controlled the island but their grip is slipping' one Western diplomat said earlier. He said the rebels only held the radio stn, an army camp and a pier, and held no more than 20 hostages, debating rebel claims to be holding 217 hostages at the radio stn. The rebels, who took over the govt radio stn yesterday, ap Lointed a kind of talk-show format for their uprising, being 24h and inviting all citizens to call and air their views live (UPI Victoria via Knoxville News-Sentinel 18/8) Briley of FEBA hoped to be back on Fri after the political troubles; but FEBA financial problems E have forced them to drop 0715 xmn, and cut the 0400 EAF EG back to Sat & Sun only (RNBN 19/8) Confirmed in final S82 sked: 7275 0042-0145. 9510 1827-1845(Sat/Sun 1900). 9760 0027-0115. 11760 0127-0248(Tue-Sat 0318) & 1742-1830. 11810 0312-0400(Sat/Sun 0500) & 0467-0450(0500 Sat/Sun). 11820 1612-1718(Wed-Sat 1733). 11885 0212-0300. 11865 0455-0115 & 1222-1415. 11895 1415-1600. 11930 1627-1730. 15170 0230-0248. 15200 as 11810. 15305 1742-1840. 15320 1222-1500. 15325 1500-1600. 15385 0327-0430(Fri 0500). 15405 1057-1200. 15410 1612-1718(Wed-Sat 1733). 15430 0912-1000(M & W 0945). 17875 1057-1200 (FEBA)

SINGAPORE SBC will start bcs in Cambodian soon (BBC R Newsreel 2/8) Singapore is planning P to set up a Khmer lang radio svc as part of a pgm to support the newly formed Cambodian co-alition led by Prince Norodom Sihanouk. The bcs, aimed at countering Viet and other Communist bcs beamed at Cambodia, are expected to start in Sept. Two native Khmer speakers assisted by local staff under control of SBC are to produce the svc. A senior BBCWS producer will assist during initial stages. The Khmer svc would be the first foreign-lang radio bein from Sing (DPA via Greensburg PA Tribune-Review 8/8 via Bill Dymond, PA) New xmntr/fq, or breaking away from exsting SW svcs? (gh)

SOUTH AFRICA Capital R, Transkei can be hrd on 9764 from *0530 asiatic as 0700+, dual 7149, M'and again longpath around 1400; usual ads, pops, hyper amnts (Bob Hill, CA) The 500 kW AM P xmntr is out of svc; Umatac SW xmntr may move to Nzenukela [sp?]; new address, Box 906, Umatac (Andy Sennett, RNBN 19/8) more, LMI SPAZAN LMI

SRI LANKA Upcoming R Monitors Int'l DX pgm topics: 19/9 New Hebrides; DX Pgm's. 26/9 Upper X Volta; Radio Malaysia (EMC) A 500 watt xmntr on 5020 hrd '0758 w/IS, EG s/r (Gruppo DX Coro-E nel Suarez, Argentina via RN Espacio DX-ista 13/9) Remarkable logging if from Argentina (gh)

SHIZANLAD uniID stn on 9704 hrd 15/8 from 1415 w/Hindi-type songs, YL ancr; weak & soon faded (Ernie Behr, Ont) New fq for Swazi Commerical R is 9705, 0500-1630 (Richard Ginney, RN 12/8)

SWITZERLAND SRI plans to produce a local pgm in EG, perhaps including Dateline excerpts, P for broadcast on a new 20 kW FM stn in Geneva, name as yet unchosen, target 1/1 (Bob Zanotti & on RN 12/8) more, LMI more SHIZANLAD LMI

TAHITI FR3 noted on a Sunday to 0900* after phone request pgm (Arthur Cushen, Vic, RNBN 5/8) Local Sat sked longtill then, but Behr reported last month also local Sun; do you mean GMT Mon? (gh)11825 & 15170 of course

TAINAN BBCWS sked in Aug LN must be wrong, since 11905 xmntr has definite s/off at 1615*; they also refer to GBS xmntr as BBC (Ernie Behr, Ont)

TANZANIA Most likely NatlSvc of R Tanzania, off fq from listed 6105, hrd on 6108 19/7 0310. Typical Af mix of plucked instrument & drums, vaguely Caribbean sound overall; 0346 soft-
voiced X ancr till 0359 drums, 0400 pips, ID incl 'Tanzania'. Sig: peaked around 0345. Has not been there since, so probably brief aberration and now hiding somewhere in the muck of 6105 (Bob Hill, Mountain View CA)

THAILAND Per Bangkok Post, a proposal to increase xmn power of R Thailand so that form F lang ppgm could be rxd worldwide was approved at cabinet meeting: 27/7. Budget of 149,950 million baht would be needed for installation of addl 250 kW xmn and overall improvement of SW svc's. With completion of this project, listeners in As, ME, EU, NAm, NAF would be able to tune into R Thailand's form-lang ppgms (WBI 5/8). 150 trillion baht is about 7.5 trillion dollars--a remarkable commitment! Even 7.5 billion seems a bit high, so what are we to make of this figure? (gb) Maybe the comm is a decimal to us, i.e. 7.5 million dils.

TRISTAN DA CUNHA [see also NAMIBIA] Marine stn ZOE, per 1979 List of Fixed Stns, is in contac w/Cape Town Radio on 6870 9927.5 14387.5 17395; modes and sked unk, and I've not been able to hear it (Paul Karagianis, UK, SCIDX 6/7, who reveals in UADX that due to QRM & QRM he is giving up SWBC DXing for utility)

TUNISIA/YUGOSLAVIA R Yugoslavia dir-gen visited Tunisia for talks w/KTT officials on co-op operation, KTT promised to carry out a systematic survey of the audibility of RV bcs in NAm and KTT would be allowed to use RV SW xmn for being ppgms to Eu as soon as they were made worldwide (WBI 5/8). Tunisia should have no problem reaching Eu directly... (gb)

TURKEY, Vox on 9625 at 2100 w/nx manages to override CBC Northern most times (Ed Bromley, L FR Union, Nfld) Daily TFR bcs in TX-in Newspot 30/7 & 6/8 matches that in June WN, with add of 2300-0250 on 11900 17715 (gb) This svc also on 9560 7155. 110 use extracted from ITU TFRBS includes: 6005 2500-2200 Eu, 7155 250 1800-2300 Eu, 9615 0400-1800 ME 250 kW, 9700 1500-1900 NAF, 9700 500 1500-1600 USSR, 250 0300-0500 USSR. 9730 500 1600-1800 ME/India. 9740 500 0400-0500 USSR, 11850 250 0900-1200 & 1400-1500 Eu, 11955 250 1500-1600 ME, 500 1800-2200 Eu/NAF, 15220 500 0500-1800 Eu/NAF. 15415 250 1200-1300 Au. 15435 0500-0900 Eu 250. 17725 500 2100-0300 Au. 17725 500 1100-1500 ME/India. 17740 E 500 1000-1100 China. The 15415 1200-1300 Au believed to be in EG (Bob Padula, ADXN) Conspicuously missing from above are NAm svc's (gb) They are currently hrd only at 2200-2250 on 7155 11900 17715 in Eu; difficult reception on 1715. I rxd interesting 2/7 rpm sked from "ex-R" which says "We have had difficulties, especially for the last two years in reaching the United States. We will soon start test transmissions of two new xmnrs of 500 kW each, beamed to various regions around the end of this year and especially as of the beginning of 1983, including: English 2000-2100 & 2200-2300 Eu. 2200-2300, 0300-0400 NEAR; 2200-2300, 1200-1300 SEAs. 0900-1000 Balkans, 0900-1000 FE. Try to tune into our new xmnss from beginning of Oct 82 and pse send us reception reports." (Bill Dickerman, Williamsport PA) 2200 EG on 17760, not 17715, 8/8 (Bob Zilmer, NM, SPEEDXGRAM)

UGANDA R Uganda is yet another stn to recognize the large listening audience in Australia! It has started a spl svc directed to Au 0300-0430 daily in Eg on 15325, per info from the stn to Grant Robinson, Adelaide (Bob Padula, ADXN) As well as to NAm, last half hour in FR (Peter Bunn, RA DX 8/8) I doubt this represents any technical change, as the beam from Ug to NAm also crosses Au, and in a previous incarnation this xmn was also ancd as to EU, the parts of Au might get it better off than usual and more (gb) Also testing 0630-0800 on J 15325, EG & FR to Au, asking for reports (Bunn, ADXN) Poor after 0700 due to jammers (ibid)

U.S.S.R [Cf Aug LN-23) Soviet regional pgm at 1330 is best on 11990 9810 9500; has local IS L & ED to a different Soviet republic every weekday Mon-Fri, in this order: Tbilisi, Baku, Vilnius, Kishingid, Riga, Tallinn, Kiev, Minsk, Tashkent, Almaty (Ernie Bahr, 30/7) That's 14, so every three weeks the cycle starts over but one day earlier? (gb) R Moscow feeder in RS on LSB, 13380 8/8 0600, mx by w then cc mx; hrd almost every nite STO 412, QRM de E German ute 13375 (Shane Mercer, TX, GMDC) R Moscow NAm svc hrd 27/7 vy strong on 4860 // 9685 blaster, and also audible on 16193 LSB (Robert Mounce)

E TN see also CUBA (gb) R Moscow NAm svc from 5/9: 2200-0300 11770 Kiev to 0200, 11750 Lvov 11720 Lvov, 11710 Vinitsa from 2300, 0975 Lvov, 9720 Keng, 9700 (Sofia), 9685 Moscow, 9665 Ivanov-Frankovsk, 9610 Tula, 9600 Havana (from 0000), 7150 Lvov from 0000. WNA: 17760 Khabarovsk ex-15100, 17000, 15425, 15245, 12050. 0300-0700 add 17900 ex-15405, 17660 to 0400, 11870 Khabarovsk from 0500 ex-15180 (R Moscow via UHN) RMBS to NAm from 5/9: 0300-0400 1173 11.72 9.76 9.58 8.9 12.17 14.00-0500 12.03 11.75 11.73 11.72 9.76 9.60 9.19 and 7.9, 7.78. Havana relay has been hrd 1200-1300 17.84 15.15 15.13 11.84 [sic] 9.65. 1300-1400 17.84 15.15 15.13 11.81 [actually opens around 1300]. 12.05 12.05 9.65 9.61 9.58. 1400-1500 15.15 15.13 11.84 12.03 10.9 9.61 9.58. 1500-1600 12.05 12.03 11.84 9.65 9.61 9.58. 1600-1700 12.05 12.03 11.84 15.13 9.76 9.58. 1700-1800 15.45 15.42 15.15 12.05 12.03 11.84 11.75 9.76 9.58. 1800-1900 15.45 15.42 15.15 12.05 12.03 11.84 11.75 9.76 9.58. 2000-2100 17.76 17.70 15.42 15.15 12.06 12.05 11.84 11.75 9.76. 2100-2200 17.76 17.70 15.42 15.15 12.06 12.05 11.84 (RMBS) Some are 0.005 MHz higher

U.A.E. Dubai on new 15320 ex-3320, AR 0300, EG 0330, probably to avoid USSR 15320, // 17775 & E 11940 as-at 14/8 (Bob Padula, Vic.) For 828 R Dubai registered to use 7195 300 kW 1300-2100 for ME, per ITU TFRBS (Padula, ADXN) EG for Eu/AF 1615-1645 on 21655 17775 15320 is extended & Sun to 1700 for Spotlite on the News, and Week in the Arab Gulf, resp (RA Spectr um 16/8) EG 1030 to Eu & Af ancd on 21655 21659 21735 (Edwin Southwell, UK, WDIX Aug)

UKOCBAN] BBC Wave Guide pgm 6/8 said 15070 9510 & 9410 are on the air more than any
others used by /cs E8; 15070 23½ h per day, at times on 3 simultaneous xmtrs beamed to Af & As; 9510 to Au & As/Af as well (J J Halsema, PA) Some BBC WS features in early Sept: "The L Bogart File" 6th 1030, 7th 1615, 2130, 10th 0230. "Benny Green on Charles Dickens" from 8th Weds 2030, Thurs 0230 1110 1615. "Dear Mr Shaw" 5th 1930, 6th 0115 1345. No S82 fq changes for NAM apparent; but expect BBC to make sked, pgm, and fq changes from October (gh, from Sept London Day) .

U.S.A. BBC SP to LAm has dropped some fqs which were added during Falklands crisis; even pgm no longer relayed by Greenville (Chris Greenaway, BBC via WXCI Aug) VOA S82 fq sked makes no mention of the Kurope OUT channels reported here recently. Does show Brazil as 250 kW xmt with new S82 for 3Am on 15385 & 17740 at 1115-1400. Lots of press about more VOA xmt, headed by the surprise resignation of VOA director John Hughes 3/8 just after 4 months on the job, to become a State Dept spokesman, coincidentally? the same day the GAO released a report criticizing VOA for its frequent turnover at the top (4 P directors in 2 years). The report said management problems at the Voice are so severe that they hinder its ability in their attempts to tell America's story to the world. (clippings via Joe Hanlon, Bob Foxworth, Ken MacHarg) Furthermore Jack Anderson's column which appeared 3/8 in most papers deals with VOA and its need for $300 million to catch up with Soviet counterparts, quoting an eyes-only memo from LCA Dir Charles Wick to White House aids Ed Meese and James Baker. It says the Soviets has at least 39 x 500 kW xmters now, and besides the proposed improvements in relay sites reported here last month, it also mentioned that Tangier and other stations upgraded by installing 10 x 500 kW and 3 x 250 kW, antennas and a power plant at a cost of $150 million; Munich would get 8 x 500 kW with ants, costing $45 million present equipment, pre-WWII with vacuum tubes is no longer reliable (via Bob Bodel, Rufus Jordan, Joe Hanlon, Bob Foxworth, Richard E Wood, Kirk Baxter) But a report in Broadcasting magazine 26/7 p 33, via Foxworth, says Reagan planned to ask Congress for more than $100 million to build up VOA, RFE and RL facilities (gh) The US Advisory Commission on Public Broadcasting, reporting to Reagan 19/7 said "Greater care should be taken to avoid casting doubt on the "accuracy and objective" of the VOA or creating suspicion that "Project Truth" is a US "propaganda" pgm. Coincidentally? Reagan denounced the BBC and "abandoned" the BBC for the Rose Garden and said he would propose modernizing the "outdated" broadcasting equipment of J VOA to counter Russian jamming. VOA's John Hanlon (via 27/7 via Kraig V Krist) More on the GAO report from the former John S/AFRTS: 4/8/FW wire service story, via David Alpert, from the tail end cut off by most newspapers: the report said VOA could make better of use of its facilities "by limiting redundant operations, employing idl xmters and revising construction practices." But it recommended closing Bethany and Dixon relay stns--Dixon has been on standby since 1979. VOA should eliminate backup SW relay xmtns which duplicate satellite service, which is more reliable; operating both is wasteful. A good portrait of Willis Conover appeared in NY Times 19/8, via Robert L Fields, IL, revealing that he has now completed a myriad of jazz pgms since they began in 1955, earns less than 50 kilodollars a year, and disregarded the no-smoking sign in VOA studios (gh)

AFRTS: has announced plans to change its name back to the original title, Armed --- P from America would be Afro-American Forces, the original title continues to be widely used almost without exception by Congress, DOD officials, trade publications, major networks of the be industry and the general public." Proposed change is to take effect 1/10 (Broadcasting 19/7 via Dave Alpert) "Who cares about them? We who actually listen to AFRTS learned the new name long ago; maybe this has something to do with the Reagan regime's get-tough military stance (gh) E AFRTS S82 is extracted from VOA fq sked brings only predictable changes: 6030 0100-0700 at 350 kw, 0900-1200 50, 9530 0900-1100 175. 9590 0900-1100 50, 7000 1000-1600 50, 11790 2300-0700 175. 11850 1600-1800 50. 15305 1900-2400 35 Phl. 15350 1100-1700 50, 1700-0200 175. 0330-0700 50, 15345 1700-2300 175, 1540 1100-1600 50, 17700 0230-0700 11790 1600-2200 50, 21570 1800-0320 50. 21670 1600-1900 0400-0600 35 Phl. 25615 1200-2000 50, 26000 0600-2000 35 Phl (gh) AFRTS on US8 6/6 1913 on 19291 (D J Bedendo, Argentina, WWDC)

WRNO: S82 sked: 1800-2100 15420, 2100-2300 11890, 2300-0200 9600, 0200-0500 6155; Sun only 0500-1000 6110, 1800-1600 9690, 1600-1600 11940, 1600-1800 15140 (WRNO) WRNO h/d w/ L CBS News at 50 past the hour, first note it305 28 7075; 2 or 3 mins of zn plus one or two real commercial, e.g. Topal, Buick (Shawn McDaniel, Rolling Prairie IN) ITU THEFS gives sked as above, except 1000-1600 9690, 1600-1800 11915 weeks (Bob Padula, ADDX) The CBS News is not the CBS news, but its youth-oriented sub-network, RadioRadio, parent stn WRNO has having switched to that recently from ABC. WRNO also carrying NO Saints football, which I fear will disrupt their schedule severely; no pgm sked has been published to preserve their flexibility. I have decided to accept WRNO's offer of the only available slot while on 49m, K GMT Sun 0230-0300 on 6155, for the first airing of World of Radio, instead of Sun 2330, partly because it will conflict with Moscow/Cuba, much as I regret to simulate two other DX pgms. But there are alternative times for hearing all three; W.O.R., Tuesday repeat remains around 1900 on 15420 (gh) 15420 generally poor or unusable around 1900; as for 2330 on 11855 checked since 16/5, ranges from 0 to poor and weak to fairly poor. WRNO often seems to have "thin" or weak audio for the S-meter level--but better than overmod--your recordings are clearer than other WRNO pgms (Rick Lucas, Stockton CA) I fear that little can be done for Californians, so far off-beam (gh) WRNO played some tricks w/W.O.R. audio 1/8 when it ran thru 0000; they turned it down about four times and they thought they were going to fade it out, break for an ID or cut it on the hour, but it came up again each time and continued
w/1 0002, Strange, on 11855 (Richard E Wood, St Louis MO) It was some automatic AGG device with a very slow recovery time after modulation spikes, also affecting other WVNN pgm; fortunately, the problem not noticed since (gh)

WYFR: testing out of band, 15460 ex-15440 for Eu beam, but not Lam; problems with Russian on 15455 which can be powerhouse (Jim Conrad, IA) I think this is a 'first' for a private US stn-opens all sorts of possibilities for avoiding QRM problems (gh) I'm tired of trying to figure out what WYFR means by 'EST' during the summer, so here is the sked

E they give for S82 in EG to Canada in that imaginary timezone: 0800-1000 11180, 1000-1300 11180 113565, 1300-1600 15365, 1400-1700 11830 113565 at 1800-2200 15365, 2200-0100 9675. Also has Russian, German, French to Canada; and probably Italian as before. To Ams 0000-0400 on 9715. Otherwise, looks like pretty much same pgms as before (gh)

KEGI: S82 plans per LTM THFBS: 50 kw 9615 0415-1315, 15355 1315-1600, 15280 2130-0415 all to Ams; 250 kw 9675 0930-1230 As, 9655 1230-1630 As, 15355 2330-0230 Ams, 9525 0230-0600 Eu; latter is projected, not yet on (Bob Padula, ADXK) And must represent the much-ballyhooed 'polar beam antenna' to bring the gospel to desperate Muscovites (gh)

HCJB [Cf Aug LN] A 2/8 letter from KMNV Mgr Hardy Hayes says 'Much as we would like to P go we have no plans at the present time to apply for such a pg.' HCJB (on SW) can be picked up in parts of Mexico (William O Dickerman, Williamspoint PA) 15/7 letter from WVNN

M Pres R A Cline does not mention SW either but instead plans for more domestic stns along TexMex border, KENN Brownsville, to be full-time SW gospel; and another one planned for Edinburg, for which they need 10 myriadorrs (gh)

TIS: Coming soon to St Petersburg, a 10 W stn on 1610 w/4 mi radius from city's maintenance shop at 551 19th St N, costing $1600 and to carry 3-min messages to attract I-275 drivers to The Pier, mgr Randie Dickins in charge; should be on the air in a month (St Pete independent 20/7 via Rusty Serenberg) Apparently they don't anticipate QRM from Tampa airport TIS also on 1610 (gh) Noticed in it after leaving White Sands Natl Monument NM, that they simply had to be on 1610, too late to check for it as I was resting my radio while inside (gh) Several 530 TIS spotted on recent vacation trip during first week of Aug by David Crawford and myself, plus these on 1610: A sign about 2 mi W of I-275 on I-75 S in Cincinnati OH indicated that when lights are flashing, tune to 530, not hrd. In Boone County KT, KWT-613, Greater Cincinnati Intl Airport, strong w/5 ftly updated nati wx and parking info; report to Box 75000, Cincinnati OH 45275. Besides 530, Gatlinburg [TN] Info Radio's Smoky Mountain Sam also on 1610; has 3 xtrans, don't know about third's Fq as temporarily inactive. While travelling S thru Great Smoky Mtns Natl Park, hrd 4 different ones on 1610: Sugarlands TN Hq--do-not-fead-the-bears type info; similar at Newfound Gap TN; camping info at Smoakkmont NC; info on entering park from S at Oconaluftee NC. Txn for exact sites as supplied by supts and ranger. Traveller's Info Stn List: TIS are very low powered, usually under 10 watts, AM automatic advisory stns. Many airports, nati parks and tourist attractions use TIS; some of which have been hrd beyond 250 mi and/or heard generating harmonics. I would be interested in compiling a master listing of TIS if enough people send in their observations. Needed info should include: Fq/any known call letters and slogans/exact site licensee/operative/active times. The most TIS op on 530 or 1610 kHz, a few are located in-band MW (Terry L Krueger, 83 Winter Park Dr S, Casselberry FL 32707)

M As soon as the FCC type-approved Kahn's equipment for AM stereo xmaa, at 6:03 pm Fri 23/7, KOKA-1020 Pittsburgh PA hit the air with AM stereo, claiming another 'first'. However, KTSA-550 San Antonio TX did so 11 mins later and left it on, while KOKA's first stereo xmass lasted only 10 mins. ABC also claims to have been first with WLS-890 but does not give details. KTSA has been mentioning stereo, but not heavily promoting it, during its old IDs. The Kahn-Hazelton stereo system involves SSB, so while there are no AM stereo receivers yet those of you with two right-side-up receivers may be able to perceive it by tuning one to each sideband; or better yet, use a professional ISB dual-channel rx. A few other stns soon followed, KHJ-930 Los Angeles, KMKK-980 Kansas City MO, KFPE-610 San Francisco (gh, tnx to Joe Hanlon, Rufus Jordan, Dale B Rortheir for clips & info)

VATICAM: VR obs on 11845 ex-usual 11725 *0000 SP to Lam, 15/8 (Bob Padula, Victoria) Latest VR pgm guide confirms it is intentionally on 000 7450, for 1645-1730 daily pgms in AB, SV, Croat;/#6210 and 6190. 6210 bcs are via xtrans within the Vatican Gardens W/S total power output of 80 kW; others from VR xmr complex in Italy at Santa Maria di Galeria (RA DX 8/8)

VENEZUELA R Cataumbo Internacional QSL for new 560 gives fqs at 1360 & 9620, but only hrd around 560 *IAEX via RNM) During severe disturbance 13/7 (A-Index 40, K-6) hrd R Nacional at 2305 on 9530, G, fades, wrapping up a play, giving credits, ID w/several M Fqs, into rustic mw, fade to nothing by 2315. REE taken out by auroral condx. No other reports of this? Also hrd u/REE 0030 28/7, same ID (Jay Novello, NY) * La Nacion newspaper said since 29/7 R Nacional to Figaro Carabobo w/50 kw on 31 and 25m; unhrd on fqs at times given; xmassa to Carib/Can in SP only, not in any of that imaginary space. REE at 0700, 1100, 1800, 9530 [sic]; REE 'blow in Eu' per Redondilla; MH 9545 or 9555 planned at 0100, 0300, 1100, 1100, 1800, 1800 M 0300. The Megawatt at 1240 kHz w/same pgm in //hrd in Eu already at 0300; add to dx log. 3979 (Jonathan Marks, RNM 12/8) Last mention of 9630 was in error—9930 right (MI 19/8)

VIETNAM: Binh Tri Thien on 4667 at *1300-1400* all in Viet, first half mx, last half mx & talks. During past 2 months, Bac Thai obs either on 5659 or 6613-6626 at H1125-1330, 11800-12200, 1125-1130 mx, 1130-1230 Viet, 1230-1300 Muong (tent), 1300-1330* Viet. Cao Bang still stays on 6529, one of most stable Viet locals! *1200-1400* (Ugusa, DXFL) VOV DS adjusted to 7420 ex-7416v, obs since 29/7 // 6645 around 1230 (Bob H I/1 GA) Fq usage of VOV ES, as rearranged

UNIDENTIFIED 4535 Harmonic- presumed Mexico, R Raloj; YUGOSLAVIA see TUNIS

RADIO RAMADAN Study 5477 tions, R problems 1040

R Propagation

The July 13-14 magnetic storm caused the longest total SW blackout ever noted here in Central Canada in 30 years. Entire SW spectrum was dead for nearly 24 hrs, no trace of a signal anywhere, not even the weakest carrier. That's what DXing must have been like 100 years ago! (Ernie Kern, Ontario)

CANAVDX IV will tentatively be held 13-14 Nov at the Canaveral Natl Seashore, FL, commencing by 2100 GMT. Any interested should contact Terry L Krueger, 84 Winter Park Dr. S., Casselberry FL 32707 and include a SASE for further info (TIX)

CLANDESTINE GRANNY La Voz de Cuba Independiente y Democrática Since 16/7

I've been hearing LV del CID using another 40m fqs in addition to the usual 7355-7412. Looks to be another hi-powered xmtr. CID has also given each of their bcs a separate ID! Full sked, amnd 16/7 and confirmed here by monitoring 17/7- w/times/days converted to GMT: R. Ignacio Agramonte, 5105, Mon-Sat 0100 & 1000. R Antonio Maceo, 4980, Tue-Sat 0105. R Antonio Videras, 7355, Sun-Sat 0100. R Maximo Gomez, 11700, Tue-Sat 0100. R Jose Antonio Chevorrria, 7412, Tue-Sat 0100. "Desfile Musical" 7355 Mon-Sat 0015; "Musica Libre" 5105 Mon-Sat 0015. Special corrections appreciated. 17/7 0110 el CID was using 6980, 5105, 7355, 7412, with op/s being // (Steve Reinstein, FL, South Florida) For a report mailed to Venezuela, received a reply w/return addr: Julio Rodriguez, Apartado 60774, Caracas 1060, enclosing letter on CID stationery and inviting reports on future receptions, asking sked to be publicized among friends: Mon-Fri 9:00 pm on 11700, 4980, Mon-Sat 6:00 am on 5105; 9:00 pm on 7350 5105, Sun-Fri, Musica Libre para la Juventud, 8:15 on 5105; Desfile Musical 8:15 on 7350 (EDT) (Paul E Choroszy, Saco ME) Patria, Pueblo y Libertad!

R Cuba Libre [Cf Aug LN-26] 7190a, tent ID, 0056-0116# abrupt s/off 9/7. G sig, typical Cuban clandestine modulation, bothered by heavy ARO QRM. Couldn't say if any connection w/d 6990 outlet. Seemed to be a more primitive operation (John Santusosumo, FL, DX S Florida)

R Marti project is progressing, midst lot of political maneuvering and press coverage: "The continued saga of R Marti", p. 102, Broadcasting magazine 26/7, via Foxworth: Lawyers for WHO-1040 uncovered a 'feasibility study' showing the FCC in 1981 had suggested fqs other than 1040 for what was then referred to as "R Free Cuba" Got document thru FOIA request; fqs mentioned were 640 and 1340 [!; what about Bahams? gh] would be best, also 770 & 640; not 1040. Study suggested pairs of fqs, as 2 would be needed to cover all of Cuba. "The Earl" column in 28/7 Washington Post, via Kraig W Krist, perpetuates myth that Cuba retaliation on WHO's coverage area down to a 65 miles w/d 1040 cut WHO's coverage area down to a 65 miles w/d 1040 cut. "Radio Marti presents...Radio Wars", front page of 6/8 Minneapolis Tribune, via Bob Gunderson & Brian Anderson, sums up the situation nicely. In the Senate, Jesse Helms supported the R Marti bill passionately, while Foro Rela Comite chmn Charles Percy opposed it. Iowa congressman Tom Harkin, from WHO-land, prepared a series of amendments to the R Marti bill, one called "The John Foster Dulles Cold War Mentality Memorial Act of 1982". KSL-1160 Salt Lake opns mgr George Leach says he has problems hearing his stn beyond 90 miles from SLIC at night, when Spanish invades the fqs. On 3/8, UII, via David Alpert reported that the House had rejected an attempt by Rep. Neil Smith, Iowa, 24u-136 on an amendment to authorize the FCC to assign a new AM fqs to R Marti, instead placing responsibility for fqs w/MNTA. R Marti backers, who opposed the amendment, argued that Marti measure would have delayed and possibly killed the plan. Cuban plans to jam R Marti continued when WHO-1040 sent a letter via Long Kirkland to a few who w/old 's'affs Comite chmn Rep Clement Zablocki strongly supporting R Marti. Reuter, 10/8 via Alpert reported the House had approved R Marti plan, 250-134, authorizing $7.5 million for FY 1983 beginning 1/10, reduced from $10 million the admn sought. Rep Paul Simon of IL said he would vote for the bill but called the admn's attitude to Cuba "a disaster." UII 10/8, via Alpert, added that the bill now goes to the Sen. BIB would oversee the stn. House rejected amendments requiring stn be on CW rather than AM or FM, or limiting stn to just one fqs; also turned down amendment calling for govt not to operate stn but buy time on existing commercial US stns. AP 10/8, via Alpert, added that Cong Harkin called this "a game of chicken with Castro." Rep. Timothy Wirth said "We're going to get into an electronic war which is going to be very harmful." Offering the SW-only amendment, which was rejected, was Rep. Thomas J Tauke, Iowa. House Form Affs subcommittee on intel opns chmn Dante Fascell contended there was an estimated 2.5 million AM radio sets in Cuba and only about 500,000 SW rx. Tauke's amendment defeated 277-109; Jim Leach's amendment for VOA-Marathon-1180 facilities to be used was defeated 270-109. Rep Henry B Gonzales argued that this was likely to worsen US rels w/other LAM nations. exacerbate tensions w/Bayana
"We're headed straight for an electronic or a radio Bay of Pigs," he said. "It's going to make us the laughingstock not only of LAM but of the whole world."

AP 11/8, via Alpert added that the matter took 6 hours of floor debate in the House. Tax also to Bill Dymond for press reports on this juncture. Broadcasting magazine covered this 16/8 p 48, via Dymond: Rep Al Swift suggested just above 1600 or just below 540 kilocycles [sic], 80% of the AM radios in Cuba could get it. Besides the "Duille" amendment mentioned above, Harkin was prepared to offer more than 50 others and eventually produced at least 10, one calling for GAO investigation of DOO constructing facility before authorization, and another to change the name to "Harcry with Rapid sq-shift capability to evade jamming; or Cuba by Radio Broadcasting to Cuba, RHF, 17/8 via Monroeville PA Daily Tribune, via Bill Dymond says Iowa Sen. Roger Jepsen was going to temporarily block a Senate vote on R Martí while trying to work out a compromise to get it on anotherfq than 1040. Washington Post, via Greensburg PA Tribune Review 18/8 via Dymond quotes.Cuban Deputy Form Minister Ricardo Alarcón that Cuba would 'definitely' respond to Reagan adm propaganda bs to Cuba, with stepped-up means blocking commercial pmmg in

the US. The Cubans say the potential Achilles' heel of the plan lies in the political clout of US radio advertisers and commercial stns that could be affected by retaliatory Cuban jamming. The adm's bill was sked to come before the Senate Form. Rela Comt for possible vote 19/8. On Media Network 3/8, John Summers, Exec VP of NAB claimed Cuban retaliatory RM would damage 200 stns in 34 states; 10 clear would loss entire nighttime svc; 37 clear would lose large portions of same; KSL-1160 would lose 99.3% of night svc. George Jacobs, who is on the R Martí commission, said he should be on M and SW, that the lack of SW rx in Cuba has been exaggerated. Yale Newman felt that a xmtr would be on Saddlebunch Key, FL where the Navy has built those towers, but a 2nd xmtr would be in the Caribbean for covering eastern Cuba, not necessarily from US territory. HQ would be in Washington along w/studios; bureaux in M, stringers elsewhere—variety of pgms as surrogate HS, incl soap operas, básis
bol in SP, which leagues had agreed to provide free. Jacobs said airdate of January was hoped, but may take longer in going thru normal process; appropriate funding might be decided within a month; after that it would take about 6 months to go on the air. On World of Radio 6/8 Cuban broadcasting expert Róndal F. Schatz suggested other alternatives, such as R Martí on FM from keys w/rapid sq-shift capability to evade jamming; or jamming Cuban FM through military; military strikes against Cuban jammers; or to solve the overall problem of Cuban & US MW interference, getting Cuba to agree to move all its stns to split sqs. (gh)

Radio Free Europe/Radio Liberty Minneapolis Tribune & Star 29/7 via Bob Gunderson carries editorial by Edward W. Barrett on the Pell Amendment, which he says amounts to federalsealing these radios under a board appointed by the president, which would vitiate the spl status that makes them so effective. Agitation for this has come from some present BIB members (gh)

R. Venceslino 2/8 0300-0330: mw jamming is prevalent on 6952 & 6852; both are usually jammed. I've noticed what I think is MW not simulating, i.e. different pgms on the two q's (Steve Bonadio, Watertown NY, 16/8) Since 3/8, MW obs being for only 10 mins at a time, which it attributed to need for 'tech adjustments' and 'repairs to xmtr'. (WBI 12/8)

R. Quince de Septiembre I'm no longer hearing EG lang segments when checked on 6900 19/7 0230-0330, 26/7 0230-0340; also hrd them being jammed 1/8 0230-0330-0340 on both 5565 & 6900 (Tony W Campbell, Waynesboro VA) As of 1/8, over the past week, 5565 0230-0330 severely jammed by the stn w/had hum and buzz; mod, so can't tell if R Quince sig still there. The jammer still waits still on 6900 then jam, just to make sure they are there, 6900 at 0230-0330 J by what sound like TV sync pulses, very strong; 4250 not clear as yet, as far as I can tell. On 2/8, 0230-0330, only on 6900; 5565 not active and no jamming was hrd. As of 16/8, still on 5565 & 6900, no 4250. J still active, stns playing 'cat & mouse'. Every other day for past 5 days, 5565 off but 6900 is Left on at 0230. When 5565 inactive, there is no jamming. 6900 continues w/unjammed, yet poorly mod sig (Steve Bonadio, Watertown NY) R Quince de Sept, 6900, 15/8 at 1200-1215 SP M & W comments then wx; full ID 121. 1213 after wx, M begins propaganda; Fair (Chuck Belland, FL) Norwegian nurse Guri Saetem, working with a project vaccinating Miskito Indians in NE Nic, says R Quince made the work much harder. She says the stn claimed all the foreign health workers were Communists and that Communists eat children. The stn also claimed that the vaccines were poisonous and when they turned out not to be poisonous, the stn claimed they would vaccinate the children into Communists (Wyether from Nicaragua, Sweden, via SCOX.27/2) Americas mention that stn is official voice of Nicaraguan Democratic Union, which is made up of the 15 de Septiembre Legion, the Indian Organization MISURASATA, and the Nicaraguan Democratic Union = NDU. The sometimes give CW IDs in Morse code in adw to voice IDs. Main pgms include: 'Espacio Noticioso (or Informativo) Q de S', a weekday 18-24 min mx pxg, replaced Sundays with 'Resumen Noticioso Semanal Q de S'. A daily pxg every other week for 4-8 mins is 'El Pueblo Denuncia a sus Opreadores'. Until 26/2/82, 'Comunicándonos con la Costa Atlántica', beginning w/folk song, for the Miskitos, Sumos and Rama's in their own langs стан out of 1/3 to 1/4 in Mex, using same theme song, adding two more ethnic groups, the Ladosinos and the Criollos. Their morn pxg, only one hrd here, appears to be a repr of the previous even day as the dates mentioned are one day late (Tetsuya Hirahara, R Nue vo Mundo IA-DKing 1982)

La Voz de Sandino. 6224 0406-0435 21/7, G sig, no J, ID 0415 as "la emisora del Frente Revolu-
morganismo Sandino". YL ancr sounds quite like the original YL on R 15 de Sept. Nic anthem and off 0435 (Steve Reinstein, IXSF) First hrd 7/6/82 but existence originally reported by V of Nic 17/5; varies 6222-6228, 0000-0030 & 0400-0430 & unconfirmed 1100-1130 (WBI 29/7)

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Liberty No, it's not back, but we have another detailed report from June (gh) This might be of interest in light of the discussion on the origin of the 'jamming'. Date of monitoring was 4/6. 2351 Jammer comes on/off with tune up on 17740, strength 10 over 9. 2352, A 20 0ver 9 carrier comes on w/tone modulation on 17738. 2353 Jammer moves to 17738 and stays, 2358, strong carrier and tone mod suddenly 'off', jammer continues until: 0006, "Yesterday" theme mx from 'Annie' with jammer on fq. 0008, first mx selection "I Could Have Danced All Night" sung by a woman. 0011 "Annie" speaks but too muffled to make out more than a word now and then. Alternate mx selections and unreadable commentary by her. 0047, "Yesterday" theme and "The World will listen when Argentina speaks..." 0049, "Annie" off the air; jammer is still on and has been continuously. 0055, Jammer signal continues and now has 20 over 9 strength as read on a Kenwood R-1000. 0116 Jamming continues but I go "off". On 9/6, Annie had cleared up her audio and on the 10th and 11th was still broadcasting with her jammer in the background. My last recording was 18/6 (Bruce R Clarke, Rockville MD)

more, LMI
La Voix de la Resistencia Chilena, 7245, -0003-0033# 15/7, "Atención Chile, ésta es la radio del comienzo para Chile...vivan los trabajadores..." amid flutes and campesino tune. Many more IDs and ment of Pinocchet and Allende, referring to 11 Sept 1973. Decent sig despite bad unID het (Steve Reinstein, FL, DXSF) Presumably via Algiers as usual (gh) v ALGERIA LMI
La Voix de la Sahara Libre hrds 17/6 on 15150 2245-2300* w/mly march, anmt in AR (Björn Fransson, Sweden, SCIX 13/7) V of the Sudanese Popular Revolution, LMI
Fighting Solidarity Polish TV reported that security services of the Wroclaw Voivodship Militia HQ closed down an illegal radio stn at 2100 25/7, located in a house on Grabisszymska St. XMtr and other eqp of the stn called 'Solidarność Walczaca' were taken away (WBI 29/7)

R Solidarity Seven members of this stn arrested in a Warsaw raid face prison terms of 1 to 10 yrs if convicted of being calls to resist martial law, Polish TV said. The raid ending the stn's bcs in Warszawa occurred 8/7. Radio members who escaped arrest said they would suspend bcs in Warszaw but begin airing their ppgms in Poznań and Gdańsk (unID mx clip via Foxworth)
Buzim Radjo unID TK ppgm on 11816.8 has unfamiliar IS from 0255, not that of VOCOT or Buzim, rarely hrds and always weak; cf Aug LN-26 (Ernie Behr, Ont, 27/7) Finally hrds clear ID 0301 as "Burasí Buzim Radjo" 16/8 when Bucharest was strong on 25m, after 0255 opening on 11816.8 w/ 8 or 9-note IS (Behr, 16/8) WOPUEP, ALGERIA LMI V of the People of Burna, LMI
Voice of Iran The pro-monarchist WOI stn ancd 30/7 that for two months the time of its bcs would be changed to 1700-1800 on 9605, and to 0230-0300 on 15315, i.e. one hour earlier than at present, for introduction of change. The [other] WOI, supporting Bahksh, has hrds continues at 1930-2000 on 11640 (WBI 5/8) The latter was first hrd 7/7; Persian ID 25/7 Seda-ye Iran (WBI 12/8) more, LMI
V of Iraqi Kurdistan 1330-1545 on 7500 & 6700, V of Iraqi Kurdistan 1600-1700 6422, V of Iraqi Revolution 1500-1600 6930, V of Iraqi People 1600-1700 7860, V of the Mohajedin Khalq 1700-1800 & 1830-1930 on 7500 WBI 6700 (29/7) Last & first stns on same Fqs (gh)

NORTH AMERICAN PIRATES
R Toronto, the Voice of Free Ontario, new pirate: 8/8 0102-0104 on 7425 playing "Freeze Frame"; I was not tipped off--found it myself. I called Scott McClellan and when it came back on at 0300-0315 he got it better than I did, fairly strong (Lani Pettit, Sioux City IA) Hrd 8/8 0300-0315* on 7425.8, extremely strong, 20 over on my stinky R&S meter, and had very good audio; had very well run ppgm and obviously a well-equipped xmt. ID as above plus "broadcasting to all of Canada and N.A." Played variety of mx, and s/off w/out giving any forw addrd (Kirk Baxter, Mission KS)

R Clandestine 13/7 0103-0136* on 7350, hrds while monitoring CID. UFO skit, interview w/stn employee, ancr R F Burns w/pb/pubs ppgm; mx from Zappa, Zeppelin, Moody Blues. Quite enjoyable. No addrd noted. Decent sig but could have used better modulation (Reinstein, DXSF)
ZKQR 17/6 0153-0217* on 6250, Kids Playing Radio, attack on FCC control, comtry about a certain skler's motorcycle accident, mx. Someone v deliberately and effectively jamming this w/6,8, whistling, keying of accident, mx, and playing mx (John Santosoosso, FL DX S Florida) Str hrds twice on 1/8-00, at 0425-0435* on 7410, then 0516-0533* on 6985. On both occasions extremely difficult to understand the sig was fair (333). Seemed to be "clicking" sounds on xnms, and other strange sounds, but the call came thru clearly, and Chris Hansen's Bronx NY addrd was given for QSLs--however, I doubt he has any knowledge of this. The "KPR" comes from Hansen's SPEEDX column (Kirk Baxter, Mission KS)

R Indiana 1/8 0313-1313* on 7425. On simultaneously with R Free S F, making it difficult to listen to both. Played variety of mx, gave Battle Creek addrd for QSLs. 0320 audio trouble developed, and stn audio broke in and out. Adventures of RobinMan(?) featured (Kirk Baxter)
R Free San Francisco Hrd 1/8 0241-0300* & 0319-0346* both on 7430. Aner talking abt Argentina during first xmn, but I couldn't understand what was said. Gave Arcata CA addrd. Sig drifting upward in fq approx 200-300 cycles per 10 mins. Audio & signal strength were fair (333) here. Second xmn similar, but due to local QRM (txn to the damn power co.) I could hardly hear it (Kirk Baxter, KS) RPSF hrd here w/two bcs, 0231-0301 & 0317-0347 on 7430 1/8. This second xmn was much fainter but with better signal quality than the first. Arcata is closer to the OR border than it is to SF (Tony W Campbell, Waynesboro VA)
R Xenon send full data QSL for 7390 kHz, 8½ x 11 size, partially xeroxied with "magic marker messages", listed power as 15 watts, to return to the air in 1983 (Dan McCarthy, DX S Florida)
W5SB hrd 8/6 0406-0410 on 7425, shortening w/o to avoid fades. Great! (Lani Pettit, IA)
NOTE: Please note the new address above.

AFGHANISTAN: Radio Afghanistan 9665 f/d cd. in 38 ds. for 2 IREs. (Kanopka-NY). 15077 f/d "Stockyard" cd. in 1 mo. for 3 IREs. (Palmerhein-HN).

ANTIGUA: BBC 11775 n/d "Bridge" cd. in 1 mo. (Glikasman-IL). Deutscha Welle 17860 n/d cd. in 30 ds. (Geraghty-UK).

ARGENTINA: RAE 11710 n/d cd. in 29 ds. for an EG rpt. and ms. The cd. had "Las Malvinas" stamped on the reverse side. v/s Roxana Largi and Julio Lagos, Coordinator General. Also recd. stamps about the Malvinas. (Carleton-ONT). p/d cd. in 11 mo. for ms. (Kohlbrenner-PA). 9690 cd. in 20 ds. expressing gratitude that the senseless war was over. (Boone-TX), n/d "Logo" cd. in 17 ds. for a SP rpt. and ms. (George-NC), same in 25 ds. (Gundersen-HM). Radio El Mundo LRX1 6120 bi-lingual cd. in 53 ds. for a SP rpt. and ms. v/s Amelia Ferreras, Jefe de Relaciones Publicas y Frensa. Sticker rcvd. (George-HC).


ASCENSION ISLAND: Radio Atlantico del Sur 9710 cd. in 21 ds. for 2 IREs. (Rigas-IL). same in * 16 ds. (Geraghty-UK).


AUSTRALIAN SSR: ORF 9770 f/d "Moosbrunn Transmutter" cd. in 68 ds. (Rigas-IL). 12015 f/d "Lovers" cd. in 76 ds. w/ sticker for 2 IREs. (Meyer-PA).

AZERBAIJAN SSR: Radio Baku 4785 paper cd. w/ stickers for 1 IRC. w/ stamps in 102 ds. (Geraghty-UK).

BELGIUM: RRT 16195 and 17595 f/d "Hugo Van de Goes" cd. w/ "Gerald David" cd. in 34 ds. w/ pennant and stickers. (Stephany-NY). 21460 f/d cd. in 19 ds. (Hesch-NY).

BELIZE: Radio Belize 3285 p/d cd. in 26 ds. (Kanopka-NY).

BOLIVIA: ORTB 4870 f/d cd. in 9 wks. after an f/up rpt. (Kohlbrenner-PA).
COSTA RICA: TIPC 5055 f/d cd. in 5 wks. for ms. Pennant rcvd. (Kohlbrecher-PA).


CYPRUS: BBC 6180 f/d ltr. direct from the station in 24 ds. (Warner-UK).

CZECHOSLOVAKIA: Radio Prague 11990 f/d "River View" cd. in 27 ds. (Hitsman-IA). f/d cd. in 95 ds. for 1 IRC. Slidex rcvd. (Hosmer-MI).


EGYPT: Radio Cairo 9805 f/d cd. in 7/4 mo. (Gundersen-HN).

EL SALVADOR: Radio Venceremos 6954 f/d prepared cd. in 20 ds. for a SP rpt. Posters, stickers and 2 cassette tapes were rcvd. QSL mailed from Managua (Reinstein-FL). same in 26 ds. from the Mexico addr. (Reinstein-FL). 6907 prepared cd. w/ sticker in 65 ds. v/s Rolando Martinez. (Warner-UK). Radio El Salvador 9555 p/d ltr. in 3 mo. for a SP rpt. v/s Carlos Alberto Mendoza. Director. (Huntwell-NJ).


RADIO NACIONAL COCIBLANCA - BOLIVIA

Señor: George L. Summerson.

Síntesis:

Se requiere un tiempo previo de un un dia de marzo presente.

Debo agradecerle sinceramente su dedicación a la actividad radial y el detallado reporte de sus transmisiones de Radio Nacional, cuando en su momento.

Al igual que usted numerosos oyentes de buena voluntad han buscado llegar al reporte, quieran que esté en el mapa, le ruego denotar sencillamente y en forma personal, ya que Director veo valer la pena recibirlo.

[Signature]

Para "RADIO NACIONAL"

J. Villar Porta

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**ENGLAND:** UK Good Music Station 6263 ltr. for ms. in 45 ds. Only
* 5 watts! (Warner-UK). Alternative Radio Tirana 7325 ltr. for ms. in 12 ds. v/s Averie S. Inger, Chairman and Head Tomato
* in SP in 11 ds. for an SASE. (Geraghty-UK). Radio Confusion (Norway) via Radio Apollo 7340 cd., ltr. and a ltr. in braille from the operator who is blind for 2 IRGs in 47 ds. (Warner-UK). same in
* 38 ds. for 2 IRGs. (Geraghty-UK). Rock City Radio 6200 ltr. in 20 ds. for SASE. (Geraghty-UK).
* ZOE Tristan Radio (North) 6264 ltr. in 15
ds. v/s Joshua Upfulu. (Geraghty-UK). Radio Corsair 6260 cd. w/ ltr. in 15 ds. for an SASE v/s
* Roger Stevens. (Geraghty-UK). Castle Sound 6298
* cd. in 75 ds. for an SASE. (Geraghty-UK). Radio Venice 6300 cd. in 13 ds. for an SASE. v/s Simon
* James. (Geraghty-UK). Radio Kristel 6220 ltr. in 20 ds. for an SASE. v/s Ray Adams, Chief Radio
* Engineer. (Geraghty-UK). Radio Apollo International 6200 ltr. in 17 ds. for an SASE. v/s
* Dave Scott. (Geraghty-UK). Radio Poacher International 7348 ltr. in 19 ds. for an SASE.
* (Geraghty-UK). Radio Supernova 11480 cd. in 14 ds. for an SASE. v/s Garry Hunt. (Geraghty-UK)
* Now I've seen everything! I can retire. Anyone wish to take over the column? Hi!

**ETHIOPIA:** Voice of Namibia via the Voice of Revolutionary Ethiopia 5955 ltr. in 80 ds. v/s
* Sackey J. Namugongo. (Geraghty-UK).

**EUROPEAN RUSSIA:** Radio Moscow via Vologda on 15350 cd. in 36 ds. (Warner-UK). same in 28 ds.

**FEDERAL REP. OF GERMANY:** Deutsche Welle 6085 p/d cd. in 169 ds. for a tape and 3 IRGs. (Christopher-NJ). Radio Liberty 21735 cd. in 16 ds. (Paszkiewicz-WI). 15340 and 21720 "Vap" cd. in 18 ds.
* (Rigas-IL). SSW Radio 6281 cd. in 54 ds. for 2 IRGs. (Ger-FRENCH GUIANA: FR3 5055 p/d folder "Vap" cd. in 7 wks. (Rigas-IL). wks. for a FR rpt. and 1 IRC. (Kohlbrunner-PA). same in 71ds. for a FR rpt. and ms. Sticker rcdv. (George-NC).

**GABON:** RTVG 4777 p/d "Vap" folder cd. in 93 ds. for a FR/EG rpt. and 2 IRGs. (Palmerseim-MN). Radio France Internationale 15435 f/d cd. w/ sticker in 19 ds. f/d. IRC. (Kormer-MN). GEORGIAN SSR: Radio Moscow 15500 via Thiliai f/d cd. in 53 ds.

**GERMAN DEMOCRATIC REPUBLIC: **Y3S 4525 b/w cd. in 53 ds. for an EG rpt. (George-NC).

**GREECE:** Voice of Greece 15595 f/d "Beach" cd. in 30 ds. for a tape and 1 IRC. (Kacir-MT). f/d "Aghios Nicolae" cd. in 1 mo.
* (Barco-CT). Radio Sta-thmos Makedonia 15040 same cd. in 14 ds. v/s Ioenia Diasia. (Rigas-IL). "Chios View" cd. in 31 ds. for 1 IRC. (Streeter-NY). 15050 cd. in 3 wks. for 1 IRC. (Howard-GA). f/d "View of Vrontados" cd. in 33 ds. for 1 IRC. (Palmerseim-MN). 9815 f/d cd. in 11 ds. (Geraghty-UK).

**GUATEMALA:** La Voz de Guate-mala 620 p/d cd. w/ blue and white pennant in 4 mo. for a SF rpt. and ms. v/s Arely de Affre, Secretaria. (Kohlbrunner-PA).

**See you in September...**

**YEADHO-82 Sept. 17, 18, 19**
HAITI: Radio 4TH 11835 f/d "Studio" cd. in 49 da v/s Mrs. Edna Beachy, QSL Secretary, (McCasland).


KOREA: IRCs. for an EG rpt. v/w Cindy L. Maradiaga. (Stephany).

HUNGARY: Radio Budapest 11910 f/d cd. in 19 da.

ICELAND: ISRS 13797 f/d "Thingvallir" cd. in 2 mo. for 1 IRC.C/V #1001 (Kohlbeiner-PA).

INDIA: All India Radio 15335 f/d "Kathakali Dancer" cd. in 129 da. for 3 IRCs. v/s B.R. Chalapathi, Audience Research Officer, (Bryant-OK).


JAVAN: Voice of Indonesia 11790 p/d "Jatija-IL" jar Grotto cd. in 96 da. for 1 IRC. (Koerner-MI). f/d "South Sulawesi" cd. in 128 da. for 2 IRCs. (Bryant-OK). RRI Yogyakarta 5046 ltr. in 2 mo. for IN rpt. (Mitchell-IN).

KAZAKH SSR: Radio Moscow via Almaty 11770 f/d "Hotel Rosssa" cd. in 42 da. (Rigas-IL).

KENYA: Voice of Kenya 4934 f/d ltr. in 16 da. for 1 IRCs. (Cohen-PA). See you in Sept!

KIRGIZ SSR: Radio Moscow via Frumus 11820 f/d cd. in 28 da. (Geraghty-UK).

KOREA, PEOPLES REPUBLIC: KCBS 11350 cd. in 59 da. w/magazines and calendar. (Geraghty-UK).


LAOS: Laos National Radio 6130 ltr. in 8 da. for 3 IRCs. (Kirkland-OR).

LATVIA: Radio Moscow via Riga 15220 cd. in 28 da. (Geraghty-UK).

LEBANON: Voice of Hope 6215 f/d cd. in 3 mo. for 2 IRCs. (Reitz-KY).

LESOTHO: Lesotho National Broadcasting Service 4800 f/d "Flag" cd. in 129 da. for 2 IRCs. (Buer-FL). same in 3 mo. for 2 IRCs. (Kirtz-KY). same in 144 da. for 3 IRCs. (Streeter-NY). f/d cd. in 5 mo. (Birrell-KI).


REMEMBER NEARAD-82 IN SEPTEMBER... Sem
Dear Sir,

we are pleased to verify your reception report from:

Transmitter: Kritwollen-Versusender Horden-Veterloop

Frequency: 3970 kHz - 75,37 m

Radiated power (ERP): 5 kW

Antenna: Steilstrahlreihe

Geogr. place: 37° 12' Ost, 53° 38' Nord.

We hope, that our programme will continue to meet with your approval in the future and remain with friendly greetings.

Yours faithfully

NORDDEUTSCHER RUNDFUNK
Hamburg

QATAR: Qatar Broadcasting Service 15505 f/d large "Map" cd. in 5 mo. for 2 IRCs. v/s Jassim Mohamed Al Qattan-Head of Public Relations. Exchange and Research. (Lazarus-LA). same in 24 da. for 1 IRC. (Kohlbrenner-PA). in 104 da. for 2 IRCs. (Bryant-OH).

ROMANIA: Radio Bucharest 15255 f/d "Vidraru Dam" cd. in 133 da. (named?)

RUANDA: Deutsche Welle 17895 f/d cd. w/ ltr. in 54 mo. for a tape and 1 IRC.v/s P. Sanger. (Briscoes- IN). Radio Rwanda 3330 cd. w/ ltr. in 306 da. for a FR rpt. v/s Viatore Kalinda, Chef de la Section Documentation et Censure. (Geraghty-UK).

SARAWAK: Radio TV Malaysia 5005 via Sibu cd. in 50 da. * for 1 IRC. (Geraghty-UK).

SEYCHELLES: FERA 15200 n/d cd. in 26 da. (Kanopka-NT). same in 3 yrs. for 3 IRCs. (Kohlbrenner-PA). ner-UK.


SUMATRA: RRI Medan 4764 cd. in 72 da. for an EG rpt. v/s Cornell RH Tobing. (Geraghty-UK).

SURINAM: Radio Apantia 5005 f/d ltr. in 5 wks. for 2 IRCs. v/s E. Ver- vuurt. Pennant rvcd. (Kohlbrenner)

SWAZILAND: Trans World Radio 5045 f/d "Studio" cd. in 30 da. (George-NC).


TUNIS: Radio Libyen 9490 f/d cd. in 1 mo. via Peking. (Mitchell-IN). same in 18 da. (Palms- TOGO: Radio Togo 5047 f/d "Map/Logo" cd. in 26 da. for a FR rpt. and 2 IRCs. (George-NC). same cd. in 74 da. for an EG rpt. and 2 IRCs. (Bryant-OH).

TURKEY: Voice of Turkey 9560 f/d "Spoonbill" cd. w/ pennant in 97 da. for 2 IRCs. (Bryant)

TURKISH: Radio Macedonia via Ashkhabad on 15295 f/d "Red Square at Night" cd. in 42 da. (McCuseland-MD).

UGANDA: Radio Uganda 13320 f/d "Building" cd. in 157 da. v/s David R. Buga (Rigas-IL).


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ADVENTIST WORLD RADIO

IN ASIA

5814

Best 18, Poona 411001, India

Frequency 6185 kHz
Power 100 kW
Location WRNO Metairie
Date 30 May 1982
Time 0530 hrs GMT

Dear William A. Matthews,

Thank you for your reception report which has been checked against our programme logs and is hereby verified as correct.

Tom Jones

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URUGUAY: Radio El espectador 11835 f/d cd. in 7 mo. for ms. v/s Jorge Cobisio, Director Apoderado. (KohlbreNNer-PA). f/d "Logo" cd. in 14 wks. for a SP rpt. and ms. (Wilkins-CO). 15273 cd. in 3 wks. for a SP rpt. and 1 IRC v/s Wether A. Frigerio, Coordinator General. (Giltksman-IL).


* La Voz de Alpha 66 7040 f/d prepared cd. in 9 mo. for a SP rpt. and ms. v/s Andres Nazario Sargen, Secretario General. Addr: P.O. Box 420067, Miami, FL 33142. (Lazarus-IA).

Voice of Free China 5985 via WFRF f/d "Flamings" cd. in 83 ds. Sticker rcd. (Hosmer-MA). same in 85 ds. (Hitzman-IA). f/d "Plum Blossoms" cd. in 48 ds. w/ pennant and sticker. (Carleton-ONT). * Correction the WRRNO-ANR QSL rcd. by Bill Matthews was a "Worlds First" as reported but only for that specific frequency.

VANUATU: Radio Vanuatu 7260 f/d "Map" cd. in 149 ds. for * 2 VRG. (Bryan-OK). VATICAN: Radio Vatican 5015 f/d "Antenna" cd. in 19 ds. VENEZUELA: Radio Valera 4840 p/d cd. in 106 ds. for a SP rpt. and ms v/s Carlos Julio Balza, Director. (George-NC). Ecos Del Torres 4980 "Map/Logo" cd. in 66 ds. for * a SP rpt. and ms. (KohlbreNNer-PA). Radio Frontera 4760 f/d white cd. in 14 mo. for a SP rpt. and ms. v/s Modesto Marchena, Director Gerente. (Reitz-KY).

WEST IRAN: RRI Fak Fak 4789 f/d ltr. in 7 wks. for an IN rpt. v/s R.P. Simangunson. (Mitchell-IN). RRI Mandovali 3427 ltr. w/ p/d in 1 mo. for an IN rpt. (Mitchell-IN). WALES: Voice of the Leek 6265 "Castle of Wales" cd. in 17 ds. for ms. (Geraghty-UK). ...Rica. YUGOSLAVIA: Radio Yugoslavia 9620 f/d cd. in 121 ds. for 2 IRCs. (Bryan-OK). same in 103 ds. after 3rd f/up rpt. (Kanopka-NY). Not reported too often...Sam.

ZAMBIA: ZBS 4911 f/d cd. in 31 ds. for 2 IRCs. v/s Peter Musaba. (George-NC). cd. in 1 mo. for 1 IRC. (Giltksman-IL). 4910 same in 41 ds. (Geraghty-UK).

ZIMBABWE: Radio One 3396 f/d large "Map" cd. in 120 ds. for 3 IRCs. v/s A. Robertson (Reinstein-FL).

NOTE: We got @ 112 countries report ed this month! Not too bad!!

NEARLY 90% IN SEPT.
Reproduction permitted provided credit is given original reporter and NASWA UPDATE. Dates,
times and days are GMT; freqs are kHz.

ALBANIA Gjirokaster, 5020, in lang 0315; good. Gypsy sounding mx, anncmts by W. //5057. 5020
better. (Jack Jones, MS 7-27)

ARGENTINA R. Nac., 9690, in SP 1040; vy good. Pleasant listening w/ tango, accordions and violins. W anncr. (Jones, MS 8-17)

BOLIVIA R. Padilla, 3480a, in SP 0022-41; bed QRM. Mostly ballad type songs, although one num-
ber w/ great flutes. W anncr w/ a couple mentions of Bolivia. (John Moritz, OR 8-10)+++R. Rib-
eralca, 4697, in SP 0239-0301; bad static. Group song at t/in, M anncr vy briefly and into 15
minutes of tunes by group of W. Folkish in nature but not in traditional sense. M anncr back
0257 and ID by him 0300. (Moritz, OR 8-12)+++R. Norte, 4934a, in SP 0012-38; bad static and
QRM but readable by a bit of knob fiddling. W in talk show, most likely political, ments of
Nicaragua, "economica," etc. Low voiced M anncr 0022-28, great flute tune to 0033, W anncr in
again, ID by his as R. Norte 0036. (Moritz, OR 8-5)+++Ony tentative here so far but a.m. around
0200. No ID yet. (the)+++R. Panamericana, 6105, in SP 0300; fair. Bolivian mx, flutes,
yipping, whistling, some stomping. ID 0302 after familiar theme tune. Had to use low side due
to awful QRM. (Jones, MS 8-17)

BRAZIL R. Educ. Rural Coari, 2640, in PT 0920-25; fair. ballads, M anncr, Educ Rural ID, an-
other ballad. Fading out. (Stu Klein, NJ)+++R. Rib. Preto, 3205, in PT 0915-20; fair. M anncr,
TC after each ballad, ID, ads, etc. (Klein, NJ)+++Lina R. Clube., 3225, in PT 0910-15; vy good.
Nice ballads, M anncr, ID, TC, talk and ads. Strong sigs. (Klein, NJ)+++R. Cl. Marilia, 3235,
Rdfe. Uberlandia, 3255, in PT 0845-50; poor. Under UTE w/ nice local folk mx, Clube ID by M, more mx. (Klein, NJ)+++;
mx, M anncr, Culture ID and QC. (Klein, NJ)+++Bauru R. Cl., 3275, in PT 0840-45;
vy good. M anncr, talk, nice folk song, several ads, ID/TC, more mx. Alegrias absent. (Klein, NJ
+++R. Cl. Teresina, 3285, in PT 0855-0900; weak. Pop mx, M anncr, "Clube" ID, ads, more mx.
(Klein, NJ)+++R. Alvorada, 3335, in PT 0835-0840, fair. Local ballads, clear ID and Londrina QTN
by M anncr, more mx, Conquista absent. (Klein, NJ)+++R. Cult. Araquara, 3365, in PT 0830-
35; fair. Local ballads and sambas, M anncr, ID. (Klein, NJ)+++R. Ribamar, 4785, in PT 0735-
40; vy good. Local sambas, M anncr, screamed ID, TC, ads, more mx. (Klein, NJ)+++Rdfe de Londri-
nas, 4815, in PT 0810-0820; fair. Folk songs, W anncr, talk, more mx, finally ID, more mx. (Klein,
NJ)+++R. Pm Mundo Melhor, 4855, in PT 0740-45; vy good. Talk over relig mx—possibly prayer-
amncr w/ full, etc., possibly just after s/on. (Klein, NJ)+++R. Anhanguera, 4915, in PT 0800-
05; very good. M anncr, Esl mx, s/o anncmts, ID, QTN, freq. (Klein, NJ)+++R. Drago do Mar, 4925,
in PT 0805-10; fair. Sambas, M anncr w/ TC: "en Portoale, 5 horas, 8 minutos...Dragão!" More
mx. (Klein, NJ)

4000, 4750, 4850 and 5010 also in. More mx. (Jones, MS 8-17)

CHILE R. Mineria, 9750, in SP 1054; good. ID, ads, TC and in mx w/ excerpts from Reagan's tax
speech. (Jones, MS 8-17)

CHINA Fujian Front BS, 6000, in CH 1035-53; presumed. Great CH mx w/ woman out in front in a
Kind of sing song patterns. A bit more refined than Vietnamese stuff of similar nature. Very
melodic. W anncr between long songs by same W. Almost fair level. QRM. (Moritz, OR 8-5)

COLOMBIA R. San Carlos, 5075, in SP 1115; good. Ranchera mx. (Jones, MS

ECUADOR LV Triunfo, 3020, in SP 1026; good. ID. (R. LV del Triunfo, TCs and mx. (Jones, MS
8-15)+++R. Lux y Vida, 4851, in SP 1013; good. Several IDs during talk by M&W. (Jones, MS)+++R.
Rio Amazonas, 4870, in SP 0138-0202; good. M anncr good of modern and traditional folk tunes,
both vocals and instruments. M anncr between and a number of IDs by him along the way. (Moritz,
OR 8-15)+++R. Splendidit, 5025, in SP 0350-0400*; bad static ruining otherwise great sig.
Very definite folklorica. M anncr, closing anncmta 0358. Carrier still on 0403 t/out. (Moritz,
OR 8-9)

GABON Libreville, 3300, in FR 0510-15; fair. // 4777 also fair. Esl mx, M anncr, all very mel-
low. (Klein, NJ)

GUATEMALA R. Maya, 3325, in SP 0313-30. UTE QRM. Radio play, M w/ ID, "en la republica de Guas-
temala, R. Maya, TGRA, repeated twice, freqs, pass anthem and off. (Gene Eastman, TX 8-14)

HAITI R. Citadelle, 6155, in FR/Creole 0929. Bend, symphony mx. One or two anncmts w/ terrible
echo effect. "Normal" ID 1002 then Happy Birthday tune and into Esl mx. Stronger than when on
6156 some yrs back. Good. (Jack Jones, MS 8-15)

IRAN VoIRI, 9022, in Lang, 0235. Chanting and suddenly off 0236. (Jones, MS 8-10)

JAPAN NJ anncing 5 hrs of SSB every day from 2 Sept to mid October. Xmas to be // to usual
channels but freqs so far unannounced. Reports wanted on this but apparently you must write trim
get information. (Wilder Pickard, IL)
NASHA UPDATE/September 1982

MEXICO Su Pantera, 6105, in SP 1129; good. "Usual growls, ED by W, calls by M. Local mx. Seems increased power." (Jones, MS 8-14)

PARAGUAY R. Nat., 11914, in SP 0228; good. Complete ID as R. Nat. de Paraguay, calls then mx. Good sig and better than whatever is on 11915. (Jones, MS 7-28)

PERU R. Moderna, 4300, tentative 0232-43; finally on 8-7 w/ terrible OH and UZM QRM but otherwise at decent levels. Completely covered 0238. SP pop tunes w/ low-voiced M anncr in between. (Moritz, OH) + R. Lib. de Junin, 5040, in SP 1020-34; bid modulation and QRM. Great campo mx w/ M anncr between. ID by him 1023. (Moritz, OH 8-5) + R. Victoria, 6021, in SP 1058; fair. ID, theme mx, NA (this not s/on). Always a hot, jammer or both here around this time. (Jones, MS 7-30) + R. Union, 6115, in SP 1008; good. pgm for "campo y cuidad." Talks and mx. No Llano. (Jones, MS 8-15) Same 1033-43 w/ big brass instrumental at t/in, "atencion de campesino de..." and man into mx for some. More brass band mx, ID 1041, rooster, horse sounds. (Moritz, OH 8-3) + R. Occidente, 6189, in SP 1104; fair. ID, several ads, local mx. Seems to be in kHzs below nominal 6190. Vy bad bet. (Jones, MS 8-9) + R. Cusco, 6195, in SP 1014-23; M w/ talk, another M w/ 3 quick IDs. Into W w/ folk vocal, another ID 1021 and more campo mx. (Moritz, 8-4) + R. Satellites, 6725, in SP 0322-0400* tentative; good level but vy bad static. Local mx, mostly by W groups, anncr by M. Final anncr 0356 against background of a great version of El Condor Pasa. Short NA 0359 and off. Static prevented ID. (Henry Lazarus, LA 8-10) + R. Programas, 9756, in SP 1057; good. Many IDs, jingles, couple of singing IDs, ads, time pips 1100, then rapid decline and shortly gone. WTH lists R. Sideral on 9755, R. Programas on 730 MW only. Anncr said "tado en el Peru" or something quite similar. Maybe Programas key stn in net and being relayed by Sideral? (Jones, MS 8-17) + Seems a good guess, Jack. the ROMANTA V of the Communist Party of Turkey, 9584.3, in TX *0355. IS, anthem, IDs and freqs. ID text sounds similar to that given by BBC MS in February 1978, in which they say xmr is believed to be in Romania. Had several days in a row. (Walcutt, NY 8-16) +BBC MS material is copyright and may not be repeated without their permission. the SOUTH AFRICA RSA, 3230, in EG 0230; fair. S/on, IS, ID, anthem and six pips on hour. Through atrocious QRM. (Jones, MS 8-2)

USA WYFR, 15460nf, into EG 1700 out of band usage sked from 1600-2000 to Europe. This ex-13440. (Walcutt, NY 8-18)

USSR Tbilisi, 4930, in RS 0057-0110; site presumed though good. Light instrumental, Mayak IS, pips, M&w alternating to 0105 then into more instrumental mx. Somewhat fluttery sig. (Moritz, OH) + Wonder of this isn't Askhabad considering hour. tba

VENEZUELA R. Tachira, 4830, in SP 1045; good. "R. Tachira, mas popular—la primera emisora. Freq closer to 4831 than 4830. (Jones, MS 7-25) — Same, 2340-0002 vy strong. Same ID, political talk by W, W w/ two more IDs. Sp ballad and low voiced W anncr giving next song title. Tax Rahipus (Moritz, OH 7-26) — Same 2335, W/ nonstop anncnts. Sounds stronger than 1 kW. (Steve Wallace, PA 8-15) — Same 0310-20; same format and a hot off of Reloj. (Klein, NJ) +Ecos del Torbes, 4980, in EG-SP 0301. EG Id and back into usual pgm. (Jones, MS 8-10) + R. Trujismo, 6180, in SP 0010-20; adjacent QRM. Light and bouncy SP vocals by M. Singing ID by Ws 0016, W anncr, M w/ ads and back into mx. (Jones, MS 8-15)

ZIMBABWE Gwelo, 3306, in lang 0405-10; fair. M anncr, presumed mx headings in lang, different anncr w/ more talk. 3396 also hrd. (Klein, NJ)

A SURVEY: Your editor is always interested in reader and listener comments about UD. I solicit your comments on the following topics—Is there interest in a scheme such as a n area code 900 number in which you could call a number with such an area code and get DX news for a $0.50 fee? Would you submit material to UD? Would you use the number? What alternatives would you rather have? Please advise.

Best of 73,

Walcutt

****LATE ARRIVAL****

ICELAND IBS, 13797, presumed *1828+ in presumed Icelandic. To 1905 pop mx, talk by W more vocals, and a piano theme IS. Unreadable ID 1943. Then ExL mx, more talk and talk or mx by M 1900. Been chasing this for years for H/C 207. (Neal Perdue, AL 8-22) + Congratulations, OM, tba
We find it hard to believe that they are doing the column for half a year now; it seems like far less time has past! We have so much excellent material again this month, so let's get right to it!

23407 CHINA FFBfg2; 1116 In fair with YL CB elk. (Moore[Bond] 7/8)
23460 NEW BRITAIN R.West New Britain; 1176 Playing "Delta Dawn" & other EG pops &
1205 tribal mx. TC by OM ann in PD, f/o 1226. (Wilkins 8/2)
23520 PNG R.Western Highlands; 1132 Misc EG tunes, mostly C&W, OM ann. (Wilkins 8/2)
23490 BRASIL R.Educ. Rural Coari; 0214 Brx mx, M/ann w/PT elk 0220-0228, march(posa
NA), & 0230*. 1990 Ballads, H/ann w/PT elk, "Educ. Rural" ID, nother ballad, to 0930 f/out. f/QRN(Klein 8/7)
32007 SWAZILAND TWR, 0302 Lang hymn & om tx, UTZ QRM. (Moore[Bond] 7/14) 0438 Poss
vernacular kyk by 7 into rel. mx. no ID due to QRM. (Meyer 7/26)
32025 BRASIL R.Ribeirão Preto; 0218 PT ID, ads, Brx pops, M/ann p(Smith 7/17) 0231
PT elk. ID. f(Michaud 7/29) 0915 PT M/ann w/TC after each ballaid, IDs, ada, etc.
7/30. f/QRN(Klein 8/7)
32120 MOZAMBIQUE Maputo; 0410 Nx to 0415 PT mx, not EG this AM. g(Biller 7/16) 0414
Afro & top 40 style pops. M in PT. p/dep. fades(Reinstein 7/31) 0418 Af mx &
pops, M/ann in PT w/ID. g(Radcliffe)
32280 ECUADOR HC38; 0947 Quechua H/ann w/rel px. (Bolland 7/20)
32220 TOGOT Lama-Kara; 0605 M/ann in FR w/ID, txk. wk/QRM(Meyer 7/29) *0527 ID.
7/15/047 into lcl instruments, px did not seem to be in //. p(Nikolich 7/28);
Lama-Kara does carry its own programming—sdk
32335 BRASIL Lina-Ric; 0910 Nice ballads, M/ann w/PT ID/TC, txk, ads, more mx.
vg(Klein 8/7) 0120Tx of lite Brx pops ID 0130 mnt Sáo Paulo but could not
read sta. (Glikman 7/13)
32325 VENEZUELA R.Occidentes; 0147 Lám pops, US moldy-goldy, OM w/SP ID. f(Radcliffe).
0200 YV criolloas & Lám pops, avisos, txk by H. wk(Meyer 7/22) *1000 NA, M/ann
w/SP ID, ada, mx. p(Boolland 7/20)
32304 LIBERIA ELWA; 0636 Af chanting & mx, txk by H, fits style but no ID heard, f
level & clear. (Meyer 8/5) Seem likely—sdk
32280 PERU ASI Sol de los Andes; 0132 In usual appearance w/ann, SP ID, Andes mx.
(Glikman 7/25) 0057T Long txk about economy by H. Brief band tune 0105 & poss
spits px. No ID w/poor sig. (Reinstein 7/27)
32400 SOUTH AFRICA R.S.A; 0302 EG mx, 0400 ann //4990, 5980, 9580, poss others.
(Leithner) ID, ID, NA, six pipes on hour. p/QRM(Jones 8/2) Time—sdk
32365 BRASIL R.CI. Marilia; 0905 Nice lcl folk mx, "Globe" ID by M/ann, PT txk, more
mx. p under UTKE(Klein 8/7)
32400 PERU R.Americas; 1006 SP pops, ID @ 1016. f(Moore[Bond] 7/10)
32460 SWAZILAND TWR; *0257 IS, into lang at 0300. g(Biller 7/23) Thwa sked—sdk
32450 SOUTH AFRICA R.S; 0465 Pop mx, txk by M/ann betw, ID, more mx. g(Meyer 7/24)
32548 ECUADOR LV del Triunfo; 1036 ID as "R. LV del Triunfo", TXC, mx. g(Jones 7/15)
32545 BRASIL Rdfb.Uberlandia; 0845 M/ann w/PT txk, Rdfb ID, Mórx. f/p(Klein 8/7)
32550 LIBERIA LBS; 2345 Nx to TL/annw/EG TC, txk, ID, NA, & 0001*. p(Boolland 7/25)
Same(Alexander 7/25) 0530 Txk by OM, then TL w/ICL dialect, into lite AF mx.
f(Nikolich 7/28) 0545 Inst & voc mx. f/ann w/lang txk. ID. p(Jordan 7/28)
32565 VENEZUELA LV de El Tigre; 0240 Lám & Mór mx, SP txk by M/ann betw, ID as "N.
980" & more mx. (Valto 7/27) 0300 OM w/SP ID, pops. f(D'Angelo 8/7) *0944 NA,
ID, calls, freqs, usual px. f/g(Jones 6/23)
32600 TCDU LV de Rio Carrizal; 1012 F/ann w/SP TXC & mx. p(Boolland 7/27)
32620 PNG R.Madang; 1050 OM txk in PD, ID 1100. Did anyone see article on PNG in Nati
Geogr. 8/82? f(Nikolich 7/24) Indeed we did...it is highly recommended—sdk
32655 BRASIL R.Cult. Pocas de Caldas; 0900 Brx accordion mx, M/ann in PT w/Cultura
ID & QTH, txk, more mx. RTTY hi-side(Klein 8/2)
32730 BRASIL Rdfb.Alagoas; 0209 PT txk by M w/sevl fast ID, short spots of PT mx.
p(Meyer) 0103 UNTD w/disco, PT pops, ballads, Bossa Nova. F/ann w/eqd slogan,
no ID. Ads for Papel. Alagoas usual. g(Moritz 7/17) We agree that Alagoas is the
one usually here, but occasionally the one below crops up—sdk
32730 BRASIL Bauru R.CI.; 0840 M/ann w/PT txk, nice folk song, sevl ads(some w/ann
jingles), ID/TC, more mx. g(Klein 8/7)
32745 SWAZILAND TWR, 0329 Organ mx & end of px, listed Zulu. f(Reinstein 7/30)
Eda-Londrina; 0810 PT folk songs, F/ann w/tlk betw, more mx. finally ID by same ann, more mx. f/QRN(Klein 8/7)

COLOMBIA Reve Palestino: 0347 Lam mx, SP tkp by couple M, TC, ads, mx, canned ID w/freqs. f(Valko 7/16) 0407 Fast tkp by M, avisos, ID as "Gustapurif La Gigante de Colombia." (Meyer 7/26) 1030 Lam mx, OM w/SP tkp, ID's, horse neighing in EG. (Hensley 8/11) Exactly how does a horse neigh in English?—sdk

PERU R.Amazonas/Samarren; 0922 NA into mx. First ID 0926. Native OA mx sels. Rapid sig improvement to Gustapuri 0938. (Billier 8/10)

ECUADOR R.Paz y Bien; 0920 SP rel px w/ann. p/UTC(Bolland 7/20) 0915T Andes mx, SP tkp by OM, ment Ec, TC. No ID due to QRM(Valko 7/17)

HONDURAS RUNG; 0217 Class piano solos, SP ID. (Pickard 7/26) 0230 Mixed mx, SP tkp by N, ID. f(Valko 7/22) 0335 Gospel pop mx, SP ID by M into rel cart. (Meyer)

BRAZIL R.Educ. Bragança; 0140 EZL & nondescript mx to full. PT ID 0201, foll by few min mx, then 0203* f(Biller 8/16) 0847 Pops, 0900 PT ID. g(Radcliff)

PERU LU de la Selsva; 0218 SP mx, sound effects & ID. f(Choroszy 7/15) 0340 EZ Lam mx, SP tkp by H/ann, into canned ID. p(Meyer 7/22) 0420 Lam pops, ballads, EZL mx. SP ID & promos to 0505*. (Jordan 7/6) 0425T Nondescript Lam pops, some OA tunes. Computer sound effects around pop ID. Tough copy(Pappas 7/28)

USKR Unid; 1228 last px is 1228-1230, then s/ann w/unreadable ID & mx. p(Lineback 7/9) of Yakutsk and Ashabad, we'd think former more likely—sdk

GUATEMALA R.Tachires; 2350-0400* 0950-1030 Ads, Lam pops, IDs, T/Gs, this one has returned with a vengeance! (14 rep!)

GUATEMALA R.Tezulutlan; 0237/0304 Lam mx, PA mx, SP ID. (Pappas 7/27)

SOUTH AFRICA SABC; 0402 EG mx by N, ID during mx. f(Meyer 7/22) 0500 EG world uncast, weather rpt, tkp show on motorbike racing. (Witzig 7/24)

MAURITANIA Nouakchott; 2210 Native pop mx. f(Choroszy 7/15) 2320T Drums & chants, no ID to 2327. f(Bolland 7/18) So why not listen till 2330 for pos ID—sdk

MOLUCCAS RRI Ambon; 1049 2 M/ann w/IN discussion. p(Bolland 7/17)

CAMEROON Yaoundé; 2250-2300*, #0430-0530 usual Fr tkp & mx px, occasionally EG tkp, as in 0500 mx, etc. (7 rep)

ECUADOR R.Luz y Vida; 0130-0400* 1020-1050 Lam mx, many ID/TC, etc. (8 rep)

COLOMBIA R.Ana; Sana's; 0310 AR Korean chanting, ID 0319 as "Hana Sana's" in brief ann., then more Koran. //9780 which was much better. (Pappas 7/31)

BRASIL R.For Un Mundo Melhor; 0200 PT tkp & ID. (Michaud 7/31) 0740 OM w/PT tkp over rel mx(prayer, methinka), to H/ann w/full ID, etc. Poss just after s/ann. Vg on an almost unbelievably good Brasil morning. (Klein 8/7)

COLOMBIA R.Neiva; 0146 M/ann w/full SP ID, ads. p(Bolland 7/28) 0905 Lam mx, ID 0910-0945 few anec by N, avisos. f(Meyer 7/27)

COLOMBIA R.Magaluf; Maputo; 0315 IS w/EG ID during IS, into EG mx at 0400. Quite weak & lost soon after s/ann. (Billier 8/2) Nice chat nonetheless—sdk

PERU R.Chinchaycocha; 0416 Long set of husnosy, ID as "...desde Chinchaycocha." f/QRN(Meyer 7/22) 0958 S/ann w/opening SP ann & ID by M, NA, into OA mx w/ann by M. g(Lazarus 7/23) 1039 Nice OA folklorico & M/ann w/ID. (Reinstei 7/30)

VENEZUELA R.Maracay; 0330 Fast mx songs. g(Valko) 0547 canned SF mx, Lam ballads. (Pappas 7/17) 0915 M/ann w/full ID & ads. g(Bolland)

COLOMBIA LV del Cinaruco; 0234 Lam vocals, W/DJ. Bad het(Valko 7/13) 0910 Lam pops, tkp, mensajes by M/ann, TC/ID, into avisos. g(Meyer 7/27)

BENIN Cotonou; 0415 FR ID by OM, great AF pop mx. f(Smith 7/15)

COLOMBIA LV del Norte; 0420 Lam criollos, ID/TC by M. g(Meyer 7/22) 0231 Tlk by 2 M, ID by TL, QRM off another Lam sta. f(Valko) Would you believe Super?—sdk

COLOMBIA Las Palmas; 0915 Lam pops, TC/ID. f(Meyer 7/27)

HONDURAS R.Lux; 0244 Mix of Lam & US rock, ID 0247. (Kohlbrenner 7/23) 0258 Pop/rock mx, TC, ID. f(Pappas 7/12) 0300 Tlk by M/ann, TC, canned ID. g(Valko 7/27)

BRASIL R.Escr; 0305 Sta promos. p(Leitner) 0928 PT pops, canned ID. g(Meyer)

Another unbelievable showing this month, thanks to our contributors! Welcome to those of you writing for the first time—keep it up! A few words on matters editorial: PLEASE do not cut strips less than 3/4 of an inch wide...the narrow stuff is giving us nightmares! Material which should have appeared last month does not appear this month; your material should be timely! We work with a built-in delay as it is...to keep the column as up-to-date as possible, material from before the first of the previous month is dropped(1 July in this case). Also, do not be afraid to send details! We would rather have too much than have too little to print! In the Oct. SWR will be some thoughts from Chris Hansen on the dangers of relying too heavily on listings...We commend the article to you. Till next month, 3's & 7's,
Hey, don't you know you're not supposed to be able to hear anything on the AM bands in the summer?

4900 **VENezUELA** R. Juventud, Barquisimeto, US pop and rock mx, 0008 on 8-7 (Kohlbremer); and LA folk mx 0228 7-12, no pops that night. ID 0501 (Valko).

4902 **ENGLAND** Columbus, fair-poor at 1130-1200 on 7-12 in EC, with discussion on Lebanon, UN debate on nuclear weapons (Schoone-Jongen).

4905 **BRAZIL** R. Religio Federal, Rio, 0215 8-7, time every minute by gal, then pipe, ID and ads (Smith-CZ).

4910 **BOLIVIA** R. Gran Colombia, Quito, 0434 on 7-22 with SP mx, talk by man, ID and TC by different man; bat, and ads QRM (Meyer-VA).

4910 **GURNEA** Conakry, *0555 on 7-12, 10-min test tone, strunged IS 0558-0601, anthem, man yelling, crowd responding; exc signal (Biller-WJ); long talks 0635, also 7-12, then AF vocals, fair sig but //7125 hrd slightly better (D'Angelo-PA).

4910 **BOHURAS** LV de la Mosquito, Puerto Lewiura presumed the one here 0125-0145, EC, SF, religious songs, Talk ammcrs. EGCSE necessary in QRM. Not hrd in a while (Pereza-Al).

4910 **BRAZIL** R. Brazil, 0521-0604, from 0245, ID 0445 and 0445, all vernac. No QRM with ufe and RC gone most Mon mornings (Biller-WJ); mx 0450, generally poor but did net ID 0442 (Leithen-TH).

4915 **BRAZIL** R. Bahia, booming in 2340 with live show of rural mx and loud, clear ID with fgy (Perdue-AL); full ID at 0000 on 7-25 (Bolland-PL); very fast FT talking 0005 on 7-8, jingles, ID, mentions of Brazil, fairly good sig (Valko); good 7-24 with ID and off 0105 (Alexander-PA); *0800 8-7, ID, fgy, etc., WC-exc this AM (Klein-WJ); and good 7-22 at 0929, ID, TC, with tone, into more mx (Meyer-VA).

4915 **BRAZIL** 0458, in vernac. and EC 0521-0604 on 7-25, vocals, kids singing, ID at 0600 as "This is the Brazilian Broadcasting Corp." and into mx (Kohlbremer).

4915 **KENYA** Nairobi, 8-2, morning after failed coup, IS 0257, ID in EC and Swahili, said Genl and Mdlt Srvcs would be combined that day. Native mx, EC IDGs, great to 0315, them went downhill. Nothing on 4934 (Biller-WJ); tent. them on 7-29, Mdlt Svc 0905 in Swahili, prayer, apparent mx 0315, couldn't catch ID in poor signal (Pappas-PA).

4920 **AUSTRALIA** Brisbane, fair 7-27 at 0940, but difficult to tell what gal was saying (Bolland-PL); classical mx 1241 on 7-9, exc sig (Lineback-TX).

4920 **BOLIVIA** R. Quito, "la vors de la capital," full ID 0015, 0045 on 7-25, fair with mx (Bolland-PL); instrumental mx 0020 on 8-7, big band mx, ID 0028 (Kohlbremer); talk 0111 on 7-12, LA mx, ads (Valko); good 7-24 at 0405 with ballads, LA pops, ID (Pickard); ry strong and clear on 7-22 at 0440 on "la revolucion en Ecuador" ID 0455 (Meyer-VA); and ID 0458 8-8 over "Indian Love Call," apparent 0500*, but weird noise (Lotyver).

4925 **BRAZIL** R. Brazil, 0521-0604, mex 0458 7-7, weak 0935-7-27, ads, ID before 0105 of En.Meridiano 70 (Meyer-VA).

4925 **ECUADOR** Bunga, fair, upstempo LA mx 0455 7-28, ID at 0905, local language, (not SF, mentions of Beta (Nikolich-IL); vernac. 0905 7-28, presumed mx, mentions of Malabo, good sig the audio seemed slightly clipped (Pappas-PA); tent. them, 0458 7-7 with strong lang, drum mx for 20 minutes, no talk or ID; strong (Biller-WJ).

4927 **INDONESIA** RRI-Jambi, instr mx 1145 7-7, "Love Ambo" 1150, LA mx with //4932 and other fgy, fair at tune in but useless by 1216 (Moors-EBOK).

4932 **INDONESIA** RRI-Surakarta, western instr 1155 7-10, IS, RRI mx 1200, fair (Lineback-TX).

4934 **BOLIVIA** R. Morleto, Montero, 0120 7-26, periods of talk, maybe mx, TCs, IDs for R.Morte, folk-style mx 0125-0140 (Glikeman-IL); 4934, talk show 0123 8-5, low voiced man spk 0022-0028, flte tone. ID 0036 simply as "R. Morte." Bot static and QRM (Moris-OR).

4940 **BOLIVIA** R. Yaracuy, San Felipe, 0110 8-5, LA mx, TC, strong (Halsema); EZ lstng LA vocals 0208 7-15, ID and TC 0228, no ID for 1 1/2 hrs previous night (Valko); ID 0247 8-6, usually strong w/some QRM (Bogen-TX); anthem *0957, talk, mx, ads, 8-2 (Wilkins-CA).

4945 **COLOMBIA** R. Colosal, Neiva,talk 0205 7-12, taped echo sounds, ID 0207, mx, Yaracuy QRM (mx); ID 0445 7-22, ID 0445 as Caramol, mx, strong (Meyer-VA); 0509 7-21 w/mx comedy, ID as "Neiva Caracol, primera en Colombia" (Jordan); 0710 8-8, ID (Bogota-TX).

4955 **BRAZIL** R. Marajoara, Ilha, PT talk 0915 7-23, ads 0918, poor, little mx (Bolland-PL).

4955 **PERU** R. Cultural Amanta, Huanta, anthem, /on amnt 1103 7-31, faded 1112-"0455, transmitter R. Cult. Amanta, 1105 kc/s in the banda de 60 metros, desde la ciudad de Huanta... Dise Adencion en Rep. del Peru" (Wilkins-CA).

4960 **ECUADOR** R. Federacion, Sucsa, instr and vocal mx 0250 8-7, s/off amnts and IDs from 0255, march 0259, 0302 (Glikeman-IL).
6076  **COSTA RICA** R. Rubio, Cartago, ranchera mx 1117, 7-30, fair signal (Jones-MS).
6079  **COLOMBIA** Ordes del Daróin, Turbo, slow pops 1123 7-22, ads, gud but fading (Meyer-VA).
6079  **PORTUGAL** Lisbon, sports in PT 0521 7-15, exch.rate, ID 0524, fair (Smith-CT).
6089  **CLANDESTINE** La Voz del CID, 1011 7-17, talk, LA instramentals, one ID. Good while others fading. Familiar announcer and audio quality got my attention (Valko).
6089  **AUSTRALIA** ABC-Sydney, 0721 with mx, sports, poor sig 7-17 (Carleton).
6089  **GUATEMALA** AM, SP and EG 0025-0102, "La Voz de la Esperanza" prgs. EG each 5 hr and nr, asking for more donte. 0015.
6091  **BECOMMEND** EG 0056 7-10, mx, ltrs, killed by JW *0100 (Vack-VA)* 7-21, 0011-0030, 0300 with commercials, TC's, fair signal (Mayer).
6091  **VENEZUELA** YTV time sig stn, hrd by many, with pipes and SP amsk on the minute. At 0100 (Straus), 0422 7-13 (Mayer), 0515 7-28 (Schoone-Jongen), 0518 7-15 (Smith-CT), 0630 7-22 (Meyer-VA), 0655 7-17 (Carleton) and 0934 7-21 (Bolland-PL).
6095  **BOLIVIA** R. Panamericana, La Paz, 1046-7-31, 11 1045 with SW, M4, FM "fye, very strong (Wilkins-Co)"); light ax 1122 7-8, ID ("En Bolivia, la radio es ... Panamericana").
6095  **BRAZIL** Cesar R. Clube, Fortaleza, ballads 0835 7-24, songs, accordian, male announc in PT, but couldn't get ID. By another talk by man from 0900 to fade (Glikman-IL).
6095  **MEXICO** XERM, "Su Pantera," hrd by many. Rock mx 0105 7-22, ID, 10 20 over and hard to believe its 250 wts (Moritz-OR); EC/SP pops 0235 7-15, OM DJ, fair sig (Jones-HOUSD); rock mx 0415 7-19, panther roa (Carleton); US pops 0430 7-24, ID 0443 (Alexander-MA); Mexican mx 1127 7-27, talks, fading (Meyer-VA); usual growls and rumors 1129 8-14, with ID w/XEM-XERM calls, Mex mx; power increase? (Jones-MS); 1140 7-25, TC, ID 1142, mx, sports, good sig (Bolland-PL); 1351 (Bolland-PL) 0402 7-14, prgs ID before 0453, but no stn ID hrd (Glikman-IL).
6095  **COLOMBIA** LV del Llano, Villavicencio, another popular one this mo. Campesino mx IL. 0500 8-8, ID's after ea. song, "Super" net ID (Boone-FL); tangues, LA pops, ID's, 0500 8-6, good sig but ragged audio (Pickard); ID 0516 7-15, low audio, fair (Smith-CT); non-stop LA mx 0535, quick ID's, full ID 0548, 8-8 (Luyester); ID 0637 7-22, into ID (Mayer-VA); LA pops 0655 7-17, ID, fair but fading (Carleton); ID w/sound effects 0931 7-21 (Bolland-PL) electRx w/Full ID 0957 8-5, net ID, mx (Stephany-NY).
6100  **PERU** R. Union, Lima, class mx to 0945 7-10, OA mx, two ID's, Llano absent (Valko); prgs for "Campesino de Ciudad" 1008 8-15, talk, Llano gone, fair sig (Jones-MS); big brass instrmx. 1035 8-3, into mx for campesinos, ID 1041, roosters, horses, etc. (Moritz-OR).
6100  **ENGLAND** BBC WS, 0115 apology for 9410 being off. Fluttery 7-25 (Straus).
6100  **OPUS** NF for BBC, Nice, Is 2212 7-30, fair at s/on, but poor by 2225. **77250 much better** (Billier-NJ).
6100  **CANADA** CHX-Falkirk, pops 0512 7-15, poor (Smith-CT); mx 2140 8-6, ID(Kohlbrunner).
6110  **ECUADOR** EBC, EG relig.prags 0928 7-21, full ID 0930, "Box 691" prgs (Bolland-PL).
6110  **CHILE** R. Univ. de Concepcion, 1120 7-17 "Panorama Informativo," ID 1123 (Mour-HOUSD).
6110  **SWITZERLAND** SRI, EG 0200-0215 8-5, vy good sig but lots of QRM (Shortridge-IL).
6110  **TARIJU** Papeete, island mx 0905 7-28, gal announc, weak signal (Schoone-Jongen).
6110  **G. GERMANY** DE, PT 0030 8-1, vy good sig, opening anns, ID, fye, mx (Alexander-PA).
6110  **CHILE** R. Nacional, TC 0010 7-25, ID; mx, **9950, 15150**, ID; mx 0440 8-7, ID 0445, into world mx (Boone-FL).
6110  **COLOMBIA** LV del Rulla, Neiva, mx 0445 7-28, Suzuki ad, fair w/QRM (Schoone-Jongen); ballads 0520 8-6, IDs, good sig (Pickard) ID 0700 7-17, ad, mx, fair (Carleton); 0925 7-29, TC, full IDs between mx selections, good sig (Bolland-PL).
6115  **HAITI** R. Citadelle, Fort-ant-Prince, symphony mx 0929 8-15, two anns w/terrible echo "de-ehi" than old 6156 (Jones-MS).
6115  **UAE** Dubai, 1112 7-25, chanting, ID 1130, TC, (Bolland-PL).
6115  **SOUTH AFRICA** NM, SP to LA 2315 on this NF, also VG on //6065, 9580 (Leithner-TH).
6115  **LIBERIA** RN, EG "Newline" at 0240 7-30, talk on AMARC convention, exct (Castillon).
6115  **MEXICO** LV de LA Amer-Latina, 0215 7-11, mx prgs by man (Shortridge-IL).
6115  **SCHOTLAND** SCRI, EG to 2214 7-10, then into German, good, to Africa (Chorosky).
6115  **BRAZIL** G. Guaraui, Belo Horizonte, 0835 7-17, mx, taped ads, birds, ID's (Valko).
6115  **ARGENTINA** BBC relay, 0115 7-31, disc. of atomic energy, //5070, 5975, 6120 (Salaema-PA); 1125 7-26, good-exc as usual, 7-29 (Sharpe-OA); TC 0715, ID, good (Carleton).
6115  **VENUEZUELA** R. Turimico, Valera, contin.mx at 0920 7-21, TC between tunes; fair (Land).
6115  **MEXICO** R. Educación, local lv almost every morning, Cuban mx 1015 8-1, ID w/fye's at 1048 (Leithner-TH) mx 1155 7-25, comments, fair (Bolland-PL); class.mx 1350 (Linback).
6115  **USA** WRNO, powerful 0555 8-8, usual rock mx, switched to 9550 at 0600 (Luyester).
6115  **PERU** R. Orienta, Yurimaguas, seems a kis low, ID 1104 8-9, ads, OA mx, poor sig (Jones-MS); 1120, caught end of s/on 1011 8-3, march, ID, OA mx, quick fade(Glikman-IL).
6115  **USA** VOA-Greenville, SP nx 0130 7-31 (Salaema-PA).
6115  **BOLIVIA** Radio Cross River Radio, Soroko, in EG 0600, drum mx (maybe IS), FRCN ID, TC, mx. Soon killled by BC (Leithner-TH).
6115  **PERU** R. Culco, local mx 0945 7-30, rapidly fading. Many IDs. Weak sig but super clarity on LGB, net otherwise (Billier-NJ); 1014 8-4 with talk, three quick "R. Culco" ID's into folk vocal, another ID 1021, then more campo mx (Moritz-OR).

Just enough room to say THANKS to our regular contributors, and WHERE ARE YOU to everyone else. +++ Low band DX should improve in September, so stay tuned. See you next mo.
6215 LEBANON Voice of Hope: 2220-2310* EG, Rel pgs, Mx, ID at 2300 w/ both addresses and request for reports. (Kohlbrunner 7/24)(Clifford 7/18)

6220 CLANDESTINE LV de Sandino; 0015 SP, Best on SSB, tlk on El Salvador and Nicaragua, anti-practically everyone. Fair. (Meyer 7/29)

6950 LEBANON Voice of Lebanon: 1805 AR/EG, AR coverage of world cup. EG ID at 1815 and short EG nx then returned to world cup in AR. (Clifford 7/11)

6790 SOMALI REPUBLIC R. Mogadishu; 0306, chants, lowly GM w/o insts, GM w/ expressive discourse...CW QRM, heard nightly. (Nikolich) (Potter 7/31)(Smith 6/3)(Alexander 7/2b) (Kohlbrunner 7/28)(D'Angelo 7/18)

688A UNICEF 0320-0330 Non-stop latin pop Mx (probably album sides). Plenty of technical difficulties, as audio would frequently cut out or tape would jump. Fair signals with Venceremos QRM/hr. Off following Venceremos sign-off without announcement. (Pappas 7/24)

6851 EL SALVADOR Radio Venceremos; OOhh SP, Male & female announcer etc. jammers? on 6851 poor. (Smith 7/21)(Lineback)(Alexander 7/11)

6852A EL SALVADOR Radio Venceremos: 0250 SP, Political disputes discussing Al Haig and the U.S. State Dept., Salvadorean-Honduran relations, recorded testimonials of two people verifying bombing of Savadorean village on 7/18. 3ca Mx, ID & Mx at 0315. Good signals w/ slight QRM from Unitid 6851 (Pappas 7/24)(D'Angelo 7/25)(Bollard 7/24)

6900 CLANDESTINE Radio Quince de Septiembre; OOhh SP; Sounds of rockets & machine guns followed by "La Auncia" pga hosted by female announcer. Full ID by GM. (Pappas 7/24) (Lucas 8/3)

7065 ALBANIA Radio Tirana; 2218 EG, Cartry on Leonbion crises. (Choroszy 7/10)(Kurt 7/9)

7105 GREAT BRITAIN BBC; Ohhh EG, ID & into world Mx w/ long spot on Israel. (Mayer 8/5)

71107 ETHIOPIA Voice; Ohhh in Amharic?, March Mx w/ tlk by M in unknown lang. poor level announcement. (Kohlbrunner 7/24)

7120 ALBANIA R. Tirana; 0260 EG, Talks about the countryside & forest in Albania. (Shortridge 7/11)(Halsema 7/12)

7125 POLAND R. Polonia; 2225 FR, Pop Mx & tlk about "football" (Choroszy 7/10)

7145 POLAND R. Polonia; 0210 EG, DX program hosted by female announcer. Fair. (Pappas 7/28)

7146 MEXICO Radio Muchacho; 1530 SP, Stock market report by GM. (Grenier 7/29)

7170 BBC INTERNATIONAL R. Nommas; 1031-1101* FR, Pop ex countdown by GM, lite mx, list of Times & off at 1101* (Stephany 7/31)

7225 TUNISIA RTVT; 0115 AR, Early s/on?, good w/ ME AR chanting. (Mayer 8/5)

7230 CYPRIUS CBC; 2324-2328* UK, GM Mx incl "Cherry Pink & Apple Blossom Time" in GM. 779653 slightly better. No ARO outbreak. (D'Angelo 7/24)

7235 ANGOLA R. Nacional; 0210 SP, Mx by GN & TI in PT. Cartry at Ohhh. Good under w/o. (Mayer 8/5)

7255 NIGERIA WOW; 005000 EG, Afr Mx tunes, audio problems-many silent periods. (Reid 7/16)(Mayer 8/5)(Pickard 7/29)

72607 VANUATU HV; 0927 EG, very poor and got worse near 1000. T-storm. "BBC Mx Report" to 0925. "Top of the Pop" No chimes, bells, etc. (Lucas 8/15)

7265 WEST GERMANY Sudwestfunk; 0655 GM, OH pop mx into tlk by GM w/ clear ID @ Ohhh. Poor level but clear. (Mayer 8/5)

7295 MALAYSIA R. Malaysia-Penang; 1145 EG, GM w/ soybean prices. (Grenier 8/3)

72962 IRAN The Voice of the Islamic Republic of Iran; *1930-2015* EG, GM w/ tlks, QRM de SSB etc. (Kononchik 7/13)(Smith 7/16)

9080 CHINA CPBS; 1313 OH, Tiks & singing by YL. (Grenier 7/26)

9175 MEDITERRANEAN LV de Cairo; 0210 EG, GM w/ tlk, TI w/ AR Mx selection. (Miller 7/27)

9185 FRANK Radio Techno; 1211 SP, Good but weak under open carrier w/ usual jabbering & QRM, tlks & long Mx. (Dyer 7/28)

9505 JAPAN Radio Japan; *1500-1550* EG, Mx & Cartry. Hello from Tokyo. (Pickard 8/6) (Stephany 8/5)(Bollard 7/24)(Carleton 7/16)

9510 ROMANIA R. Bucharest; *0400-0428* EG, "What if?", "7 Day Panorama." Mx. (Kurt 7/19)(Pappas 8/4)

95157 LEBANON BBC Relay; 0355 EG, ID, Mx (Hyson 7/25)

9515 MALTA IRA vs M. Mediterranean; *2000-2019* GM, ID in EG, GM, Into GM rel pgs. ID sign at 2015 into another rel pgs w/ gospel Mx & sermon. (Stephany 7/27)
log report

section D

11700 PANAMA REPUBLIC: R. Clarin: 0005 SP "Por los Caminos de America" (Illia).


11720 SCHWEGER UU: Vinittsa: 1215-1315 AR cmy, ID, P-F (Castrillon 7/24).


11735 ARGENTINA: R. El Mundo: 0135-0203 SP M anc w/fgsq's, lite vocal ballads, long discussion abt nx. *out clear (Stephany-Y 8/3). 0705 SP M w/pgm notes, several ID's, sked w/fgsq's P (Meyer-VA 7/30).

11740 PHILIPPINES: R Veritas-Asia: 0950* w/offs amnts in lang. w/ID, address, faxes & et al. (Momm WT 6/29). Listed NR on 11770, new fqy-ed ID's.

11745 COOK ISLANDS: RCI: 0700-0905* Maori w/ID, EG ID's *0700 into nx, pop mx. P but clear w/bet (Meyer-VA 7/30, "Alkins-GO 7/20)."

11750 INDIA: RNI: 2049 EG M w/nx, cmy abt SAR, to 2102* w/Bolland (7/15).

11755 INPONESTARRI: RAE: 1200 IS, ID, IN M w/Jakarta nx relay (Grenier 7/30).

11760 AUSTRALIA: RA: 0712-0945 Aussie pop mx, EG "Rpt from Asia", talk of Austro-Malay relations. VG /15115 (Sharpe-CA 8/1, Reid-ON 7/11).

11765 BRAZIL: R. Nac: 0153-0223 PT M&ID ancra, Bras pop mx (Paszkwelczic 7/26) 1915-1945 PT M w/full ID followed by nx to 1937. G (Bolland-7 7/24).

11770 AFRICA: RVI: 1401-1550 EG nx headlines, Mailbag, G (Kreuzinger, Moman).

11775 TURKEY: RDI: 1300 brief SP amnts in between LF, mx. F (Wildman 7/13).

11780 ITALY: RAI: 0411 IT w/amnts, ID, IT vocal MoS mx. Xlint (Meyer-VA 7/29, "O100-0120 EG rpt on Italy's World Cup victory, 'ld nx. G (Castillion).

11785 BRAZIL: R Globo: 2310 live phone-in show w/chatter & laughter, ID's, Bras pop mx. Fair /6035 after 2330. (Chris Leithner-TH.)

11790 POLAND: R Polonia: 0235 EG to 0241 then PL, EG cmy & mx. F (Choroszy).


11800 FRANCE: RAE: 1257-1316 IS, ID, 0715 ID nx by "", cmy, ID's. (Stephany-NY).

11805 ASCENSION ISLAND: BBC-relay: 2120-2142 greeting listeners in the Falklands w/taped messages from families & mx dedications (Kohlbrenner 7/13).

11810 AUSTRALIA: RA: 1040-1102 EG pop mx, IS, ID, 'ld nx @ 1100(Hyson/Hailes).

11815 AUSTRIA: RFI: 1315-1335 cmy in lang. IS (Hyson 7/24).

11820 TURKEY: RDI: Bizim Radyo: 0300-0350* 9-note IS followed by ID "Burasi Bizim Radyo" by M ancra, S on info w/kgd & fngs then M&W w/alternating talk abt Iran-Iraq conflict & Arafat. A bit of nx at the end of the pgm. F in SGM. "77 says "Bizim Radyo" (Our Radio) is the voice of the pro-Soviet Turkish Communist Party (Pappas-F 7/30). FB:


11830 SOUTH KOREA: RKE: 1547-1600 KR to NAM w/amnts by "ID, into EG after 1600 (Buer-FL 7/25). 1652 EG "Listeners Corner", ID (Kreuzinger 7/11).

11831 NORTH KOREA: Pyongyang: 1316 P w/FR talk by M, operatic type mx, no ID (Lucas CD 6/12). This report should not have been marked tentative, based on the time, frequency and programing it is Pyongyang.

11835 SRI LANKA: SLBC: 1040-1131* EG nx @ 1045, EG oldies mx. "R. Monitors International"

11840 GUAM: KTWF: 0830-0945 EG "Thru the Bible" pgm, Children's Bible Story hour, DX Listeners Log @ 0945 (Okamoto 7/9, Illa 7/30, Wilkins-CA 7/20).


11855 USA: RHO-worldwide: 2350-0058 Rock/pop mx, EG ancra(Krist,Mayer,Piper).

11860 SUDAN: SFM: 0000 EG 10-tink on foreign relations, sports. G (Fraser-MA 7/10).

11870 KOREE: EG "lnd mx, SP by radio, "Press R" (Castrillon,Mayer).

11880 TURKS: VoT: 2200 EG nx, Turkish mx. G-C/ECUB (Fraser-MA 7/23).
15200 GABON Afr #1: 0625-0640 FR anats & ID's, EG pop mx, FR sports nx & O841, Definitely 15200 -not 15205! G (Luyster 8/8).


15220 MADAGASCAR Wed-relay: *1830-1920 EG nx "Newline". F (Reid-ON 7/15).

15240 AUSTRALIA WA: 0618-0632 EG anats, pop mx, ID & figs. G (D'Angelo 7/12).

15270 SWEDEN RTV: 2315-2350 EG "Weekday" p/w tlk abt SW books (Poper 7/2).

15290 ARGENTINA R.El Mundo: 2315 live broadcast abt Argentina (Till 7/15).

15295 BRAZIL R Nac: 0200-0207 EG opening anats w/ID, sked, address, wx, sports nx, Bras mx, 17850 (Alexander-PK, Kreuzinger).

15295 TURKMEN SSR Ashkabad: RM 1345-1411 cantry in lang., 1cl mx, IS, ID, AR, all children's (anats), all with "Listeners Letterbox". Request p/gm, IS, ID "l'd mx, F (D'Angelo 7/11).

15300 FRANCE FRIT: 1533-1920 FR cantry, EG 1600-1630, ID, FR nx(Hyson, Mayer-VA 7/31).

15305 SWITZERLAND SRT: 0145-0200 EG w/cantry, tlk of Swiss Taxes(Shortridge).

15310 JAPAN NEK: 1555-1610 IS, ID, EG nx, cantry in JP. F-P (Hyson 7/28).

15310 OMAN 3BC-relay: 1305 "l'd mx, ID, cantry on Ireland (Purdum 7/21).

15315 FRANCE FRANCE: 1435 FR coverage of "Tour de France" 15500 (Purdum 7/25).


15330 UAE Juba: 1615-1635 EG p/w AR History, ID, pop mx, TO, F 1/77TS (Hyson 7/26). 1923 AR chnts, AR tlk by M w/ID. Xlnt (Mayer-VA 7/26).

15335 USA RANDA Kampala: 0402 EG N apopollogizing for crs-talk in the transmision, needs a response. F (anats). (Mack-VA 7/25).

15335 ITALY RAI: 0850-0857 IT W/discourse. F-P (Bolland-FL 7/23).

15335 MOROCCO FMV: 1933 AR tlk by M, ME vocal mx. F w/het (Mayer-VA 7/26).

15350 LUXEMBOURG RTL: 1338 FR pro mx, ads, canned ID's. F (Mayer-VA 7/26).

15385 SWEDEN SBE: 0327-0357 IS, AR S/on anats by M&W, ME mx(Wilkins-CO).


15410 JAPAN RA: 024 S/off anats by M in lang, IS & ID. G (Bolland-FL).

15415 UKID 2018 M w/tlk in lang, ME vocal mx w/chanting. G w/QRM (Mayer-VA 7/26).

15420 BRAZIL ABC-Wanerco: 0719 EG pop mx pgm, oldies (Grenier 8/2).

15420 USA VWH-Worldwide: *1800-1920 EG rock/rock mx, PSA's, g(Reid-ON, Pipes).

15430 MEXICO XTI: 0255-0256 ID, mx, IS, ID. This Week in xtrn circus segment into SP Spanish, ID mandated of (D'Angelo 7/18, Luyster 7/24).

15445 BRAZIL R. Nac de Amazonica: 1550-1600 Bras mx, PT anats, ID, Xlnt (Lineback 7/9). 2019-2110 PT mx by M, anats by W (Mayer-VA, Smith-CT).

15455 UKRAINIAN SSR RSW-Simferopol: 2021 EG tlk on the pipeline(Meyer-VA).

15460 UKR GS SSR R Taskent: "1200 IS, ID, EG "l'd mx & ID, cantry(Stephany).

15460 CLAUSENTE C. United Muslims Fighters of Afghanistan: 0150-0157* Koran chnts, ID by M, S/off anats following lengthy march-like tune played on a flute, F w/good audio (Pappas-PA 7/12).

15485 NEW ZEALAND NZR: 0532-0650 interview on the hardships of the handicapped MOE mx to 0400, ID EG Pacific wx, Wld mx w/0600(Stephany, Biller,Leith).

15495 KUWAIT R KTV: 0430-0520 EG "l'd mx, AR anats, lcl stringed/vocal mx. F(Mayer-VA 7/26).

15505 QATAR QBS: 1530-1603 AR tlk by M, ME mx, ID. G (Mayer-VA, Cllford).

15520 UKRAINIAN SSR RSW-Kiev: 2051 EG tlk on railways. Xlnt (Mayer-VA 7/26).

15520 CHINA Peking: *1200-1256* EG MXS W/l'd mx, features, MX pgm(Bonnell).

15550 CLAUSENTE C R Vatan: 0430-0515 Farsi mx, cantry, ME mx, G (Luyster 8/9).


2022-2030 EG discourse on Lebanon, nx roundup, into FR # 2030(Solland).

15595 GREECE VoG: 1353-1349*EG nx, ID, GK mx & anats (Smith-CT, Nack-VA).

15615 ISRAEL IBA: 0246-1B anats, EZL & lite pop mx. Xlnt (Mayer-VA 7/26).

17290 ARGENTINA Radio Clarin "R." Buenos Aires, 2143 SP URU, "UTED"

17295 GREECE VoG: 1353-1349*EG nx, ID, GK mx & anats (by M, 17559(Boer).


17605 NETHERLANDS RNED: 1503 EG "mainstream Asia", ID, sked ? 1342(Carleton).

17650 ISRAEL IB: 1906 ads, HE anats, 1cl Mor mx. F (Nack-VA 8/4).

17650 KUWAIT RK: 1324-1348 AR "Huna al Kuwait" ID, ME mx & AR drama(Chorosky).

17680 CHINA R Peking: 0254 EG W ancr w/ID & pgm notes, to 0255"(Smith-CT).

VoG needs a bigger dial on their mx for control, have measured their fqs as folows:

10 July 15040-55 & 15050-56
11 July 15040-54 & 15053-54
17 July 15040-03 & 15047-97
27 July 15040-37 & 15053-19
01 Aug 15040-05 & 15053-95

Transmitted fqs appear stable during any one bcdst, but they have came up with some odd fq choices on different days(Potter).
log report section
17700 & ABOVE

BRETT SAYLOR

17700 USSR R Moscow; 0235 EG, tik on US defense budget, g(Meyer 7/30)
17705 NEW ZEALAND RNZ; 0130-0556 EG, mx, nx, ~weather into Maori at 0555; fair w/ fading (Woman, Okamoto, Meyer, Paszkiewicz)
17705 MOROCCO RTVM; 2100 AR, time, full ID by M, mx, play by 2 men (Stephany 7/30, Meyer)
17710 MOROCCO RTVM; 2005-2015 AR, tik w/ ment of Namibia, fair w/ fading & co-channel interference, /15105 better (Buer 7/31)
17710 HUNGARI R Budapest; 0115-0130 EG, world mx, cmyr (Shortridge)
17730 USA WINS; 1630-1730 EG, ex-listen religious mx, IPI (Piper 7/21)
17740 BRAZIL YOA (via RadioBra); 1125-1140 SP, relay for SAM., "Yankee Doodle" 1930, tik past 1140; fades to local JAH, mostly poor / 15195 Ascension (Buer 7/14)
17755 JAPAN RJ; 2117-2124 EG, "Current Affairs" & "Current Topics" pgms, good (Bolland 7/28)
17775 USA WNOO; 1800-2130 EG, s/on w/ freq's, power (100kW) into rock mx (Witzig 7/27, Piper)
17775 SOUTH AFRICA RNSA; 2104 EG, US pop mx, fair-good w/fades
17790 SWEDEN RT; 1358-1418 EG, chimes, ID, Nordic mx (Halsema 8/5, 17795 EAST GERMANY DW; 2107 GM, nx, ID (Meyer 7/26), Carleton )
17795 AUSTRALIA RA; 2200, 0330 EG, world, local mx, f (4 reporters)
17800 USA Voice of Nigeria; 1825-2215 EG, 0518-0536 EG, Afr nx, mx, fair to worse with fades (4 reporters)
17805 ROMANIA R Bucharest; 1502 EG, to Asia, mx, co-channels from jammer aimed at RFE; /15250 better (Buer 7/18)
17815 BRAZIL R Cultura, Sao Paulo; 0200 PT, classical mx.f(Smith)
17825 USA UN Radio; 2220-2253 EG, Gen Assy mtg on disarmament, tx art political representation of Kampuchea (Paszkiewicz 7/10)
17830 BRAZIL RadioBra; *0200-0300* EG, Brasilian travel, stamps, letters, mx (Bonnet 8/4)
17840 NORWAY RN; 2321 NO, mx, ID in EG every 15 minutes or so, fair
17845 USA WYFR; 1600 E Sur lang, booming signal (Choroszy 7/15)
17850 FRANCE RFI; 1600 EG, PCA, WYFR &RA, poor (Choroszy 7/13)
17855 UKRAINE Peking; 2335 SP, "Nostra Musica de Hoy" w/Sam mx (Bolland 7/28) 0103 EG, world & local mx, JAH/N (Kreuzinger)
17870 LITHUANIA R Vilinus; 2205-2227 EG, p mailbag pgm, organ mx of Lithuanian composer, previews (Purdum 7/4)
17870 USSR R Yerevan; 0252 EG, ID, cultural mx, Moscow IS(Leithner)
17870 LIBERIA VOA via Monrovia; 2158 EG, cowboys & their mx, poor / 1540 Greenville poor, //1795 fair (Halsema 8/5)
17885 SPAIN R Liberty via Playa de Pal; 2200-2215 RS, nx, ID 2210 as "Goverit Radio Svoboda", tik, mostly over co-channel jamming, site per RFE/AD sked #88 (Buer 7/25)
17890 ECUADOR HCJB; 1500 EG, 0100-0200 EG, "Passport" pgms, /15155, 9745 (Choroszy 7/31, Fraser, Piper)
21465 EAST GERMANY RBT; 1935 GM?, sounded like GM w/ GM mx into tick by M, poor (Meyer 8/4)
21470 FRANCE RFI; 1941 FR, nx by-M & W, poor but readable (Meyer 8/4)
21478 ECUADOR HCJB; 1947 EG, "Passport", classical mx (Meyer 8/4)
21505 CZECHOSLOVAKIA R Prague; 1755-1802 EG, mx, ID's, "Afr-Asian Service" (Mayer 8/8)
21525 BELGIUM BR2; 1434 EG, ex-listen mx, features,good(Carleton)
21535 SOUTH AFRICA R RSA; 1522-1557 EG, pop mx, nx (Valko,Choroszy)
21570 SWITZERLAND SRI; 1315 EG, "Dateline" pgm,good (Fraser 7/2)
21580 BURUNDI RFI; 1605 EG, PCA between halves of Live World Cup soccer beat in FR, fair (Fraser 7/5)
21595 PAKISTAN RP; Urdu/EG 0212-0245*, East vocals by M, poss mx by M, Lato EG 0230 w/ ID, slow-speed mx (Jordan 7/6)
The following is an update of the English language transmissions to North America by Roger Legge which appeared in the July Frendx. New schedules and updates will be printed when necessary.

**ENGLISH LANGUAGE BROADCASTS TO NORTH AMERICA**

Changes effective September 5

New frequencies underlined.

**1200-1230 & 1330-1400**

- Helsinki, Finland : 15400, 21475 (ex-17800)

**1230-1300**

- Vienna, Austria : 21525 (ex-17650)

**1400-1430**

- Stockholm, Sweden : 21615 (ex-17750)

**1400-1430 Su Oslo, Norway : 17840 (ex-15125)**

**1600-1630 Su Oslo, Norway : 21575 (ex-15125)**

**1600-1830 Su Oslo, Norway : 21705 (ex-15175)**

**2200-0030**

- Moscow, USSR (to WMA) : 1150 (from 0100), 1560, 1565, 1575, 1720 (random), 9700 (from 0130), 9750, 11710 (from 2300), 11750, 11770 (to 0200)

**2200-0300**

- Moscow, USSR (to WMA) : 12050, 15245, 15425, 17700, 17750 (ex-15100)

**2300-0330**

- Stockholm, Sweden : 9625, 11705 (15380 off)

**0000-0030 No Oslo, Norway : 11840, 11870 (15205 off)**

**0200-0230 No Oslo, Norway : 11850, 11870 (11740 off)**

**0200-0250**

- Johannesberg, So. afr. : 5380, 9560, 11900, 15125 (9613 off)

**0230-0300**

- Stockholm, Sweden : 9625, 11705 (15420 off)

**0300-0700**

- Moscow, USSR (to WMA) : 9560 (from 0430, 11710 (from 0530, 11755 (from 0430), 11870 (from 0500), 12050, 12050, 15245 (to 0400), 15425 (to 0500), 17760 (to 0400), 17790 (15100, 15180, 15405 off)

Effective September 26, when Summer Time ends in much of Europe, the broadcasts of Berlin, Budapest, and Helsinki will move 1 hour later GMT.

From October 1, when Summer Time ends in the USSR, broadcasts to North America will move 1 hour later GMT.

Roger Legge
Welcome to the September issue of FRENDX and thanks to the following members for their contributions:

Brian Alexander, Mechanicsbugh, PA (FRG-7700); Jeff Biller, East Brunswick, NJ (FRG-7700mod); Charles Bolland, Lakeworth, FL (FRG-7700); Arthur Bonnet, West Lafayette, IN (DX-302); Paul Buen, Miami, FL (SPR-4); Nall Carleton, Ottawa, ON (FRG-7, ICF-2001); Jose Castillon, Edinburg, TX (CFS-65S); Paul Choroszy, Saco, ME (FRG-7000); James Clifford, Augsburg, FRG (FRG-7); Richard D'Angelo, Wyominging, PA; Bob Fraser, Cohasset, MA (XCR-30); Sholom Glikman, Chicago, IL (R-4C); Pete Grenier, Azusa, CA (FRG-7, RF-2200); James Halsema, Glenmore, PA (ICF-6700W); Baxter Hansen, El Paso, TX (SX-190, FRG-7mod); Vernon Hyson, Charlotte, NC (FRG-7000); Jack Jones, Jackson, MS; Rufus Jordan, Pittsburgh, PA (DX-302, Transoceanic); Fred Kohlbrenner, Philadelphia, PA (DX-300, DX-160); Joseph Kondrich, Ledyard, CT (DX-302); William Kreuzinger, San Pablo, CA (RF-2200); Kraig Krist, Falls Church, VA (FRG-7700); Chris Leichter, Brentwood, TN (DX-160, RF-2200); Jerry Linaback, Conroe, TX; Ron Luyzer, Canton, OH (ICF-2001); Bill Mayer, Allentown, PA (DX-200, GE 10-band); Kevin Mayer, Falls Church, VA (FRG-7000mod); Gilles Michaud, Level, PQ (FRG-7mod); Don Homan, Edmonton, AB (R-7, FRG-7700); Don Moore, Santa Barbara, Honduras (FRG-7000mod); Mike Nikolich, Chicago, IL (HQ-180, SPR-4); Stephanie Okamoto, Honolulu, HI (FRG-7); Sheryl Paszkiewicz, Manitowoc, WI (DX-302); Neal Perdue, Falkville, AL; Wilder Pickard II, Evanson, IL (R-7, XCR-30); Glen Piper, Rochester, MI (SW-717); Martin Potter, Pinus, ON (R-4C, SB-310); Gene Purdue, East Langing, MI (FRG-7700mod); Ben Redcliff, Ottawa, IL (SB-310mod, HQ-150, DX-160); Andy Reid, Peterborough, ON (R-35A, DX-60); Robert Schoone-Jongen, Edgerton, MN (DX-200); Bryan Sharp, Castro Valley, CA (DX-302); Clayton Shoreridge, Port Wayne, IN (R-1000); Christopher Smith, Stratford, CT (R-1000, RF-2200); Nolan Stephany, Williamson, NY (R-392); Robert Strauss, Columbus, OH (FRG-7mod, FRG-7700mod); Dave Valke, Duval, PA; Lou Wack, Annandale, VA (DX-100); James Witzig, Annandale, VA (R-1000).

That about raps it up for this month. Remember that the deadline for loggings is the 15th of each month, unless you send your reports directly to the editors. Loggings should not be submitted on anything except NASWA log slips or reasonable facsimiles. Anything else causes more trouble than you can imagine for all the editors. Also, all log slips should be cut apart and one signature slip should be included so you can get your name listed on the credits page. It's suprising how many past and present FRENDX editors and how many editors of other club bulletins who have similar requirements in their own publications don't seem willing or able or comply with these simple requests. Come on fellows!!!
HAP BID WINNERS: B. Campbell(580); M. Strickatt(558, 560, 561, 582, 591); R. Kramer(556, 557, 571, 577); S. Nelson(559); M. Magick(550, 572, 585, 586); K. Chatterton(553, 599); N. Tedford(531, 583); T. Semansky(548, 549, 555, 556, 566, 579); P. Murray(554); N. Dokerson(563, 572); K. Krist(569, 589); R. Habinowitz(575); V. Oosenoof(576) and N. Schlesinger(578). Thank you very much...Sam.

**HAP DIRECT SALE ITEMS:**

The following stickers/decal airs are $.25 each or any five for $1.00. (New issue only)

**KZAT, KQCB, KBEB, KFBB, KTSW, KUXX, KMEM, KLZ, KSIR, Radio Prague and Radio Sweden. We also have KCUZ, KXNW, KXLL, KXSR, KFBB, KQCB, KXSW, Radio Clyde, EKCL, EKIP, KXSW, KXW, KRCH, Radio Marconi, KXAT, ABC-FM Parth, Radio France International, Radio Teo, HBC, JMJ, EBS, BBC World Service, LB, ORF, 6SKY, Swiss Radio International, 6WF, 4GG, KSFX, KNW, WJPA, WLPJ, KATR, KDRF, KRFJ, CPHJ, Radio Aira, KMAX, WJPL, WMFR, WJPF, KCLM, WIRE, WJMP, WLPJ, WINS, WJPL, WDJ, KNYT, WYSL, WJSW, WHAL, WJCF (large), WJCP (small), WJDE (Large) and WJDM (small).**

The following are $.50 each: Radio Vatican paper pennant, Radio Netherlands new variety sticker. The following B&W mini-posters are $.25 each: Voice of Symco, Radio Phil Rose, Radio Carolina, Radio West, Radio London, Radio Duomo (women) and Radio Duomo (car). The following metal station badges are only $.50 each: KZAM, CTFT, Radio Forth, CTTR "Blues Brothers", CTFR, WMRT, WMHW, WLPJ, Radio City and WJLP. **Hope you like these items!!!**

**ADDRESS:** Send your orders for direct sale items and prices for your bids to Sam Barto, 460 Emmett St. B-19, Bristol, CT 06010 USA. Your tax receipts are tax deductible.!!!

**NAT-DOO-2:** This is the last time we will be offering the sale on the banquet at Sat. Sept. 18th. We only have a very few spaces left! The entire outing is scheduled for Sept. 17th to the 19th ending with our annual outing. We expect quite a crowd. Write to the above address for further details and I mean now!!! Sam.

**HAP SALE ITEM** (4x5"m/c multi-colored). #658: Metro Radio (UK) decal (4x5.5")m/c. #659: POLY Radio Freedom (New Zealand) "Triple P" Music."N.2. Pirate Radio sticker (3x2") red, B&W nice! #660: W220 2 different stickers, m/c. #661: ADX(India) sticker(1.5x7.4") blue, white-this is the oldest B/Cing station in the Commonwealth!!! #662: 4X Radio Otago (New Zealand) sticker (3.5x5") blue, green, white-nice! #663: Radio Peking China metal pin (1.5") blue, white, silver. #664: 4CMG (New Zealand) "I Love" metal badge, red, white (2") nice! #665: Metro Radio (UK) metal badge (2") red, white, blue. #666: Voice of Free China (Taiwan) key chain (m/c)-very nice!!! #667: KOST metal badge (2") black, yellow-this is a new FM station! #668: KCMK large cigarette lighter, m/c-very nice! #669: WJXT station pen, B&W. #670: CKTV station pen, orange, brown. #671: 4GG Gold Coast Radio (New Zealand) tooth paste holder and brush set, black, yellow-great item! #672: KZAT (New Zealand) sticker (3.5x6")m/c. #673: 4GG "Boat Safety" sticker (7")m/c-a real beauty! #674: W220 metal license plate (6x3")m/c-sharp! #675: WJBP "Rainbow" decal (4x5")m/c. #676: YOFC (Taiwan) paper pennant (3.5x6") blue, B&W. #677: WDR Radio (West Germany) cloth hat, green, blue. #678: LBB (New Zealand) umbrella hat, m/c-large sized-very nice looking! #679: MNK station pen, B&W. #680: Radio Berlin International (East Germany) plastic badge, m/c/ orange-nice! #681: same set same W/m red on the badge. #682: Radio Berlin (Norway) cloth "Flag" pennant (2x3") red, white, blue. #683: Radio Berlin International (East Germany) pin gold looking! #684: Radio Hungary (Hungary) cloth pen (7")m/c. #685: Radio New Zealand paper pennant (3.5x8") blue, white. #686: FPRC (Philippines) 2 different QSL cards, m/c. #687: WOFC (Taiwan) 3 different QSL cards, m/c. #688: Radio Tsahkment (Uzbekistan) 3 different QSL cards, m/c. #689: ORF (Austria) 3 different QSL cards, m/c. #690: KTH (Belgium) 3 different QSL cards, m/c-very nice! #691: Radio Budapest (Hungary) 3 different QSL cards, m/c. #692: Radio Finland 4 different QSL cards, m/c. #693: Radio Berlin International 4 different QSL cards, m/c. #694: Radio Vatican 5 different QSL cards, m/c-very nice! #695: Radio Budapest (Hungary) 3 different QSL cards, m/c. #696: IBRA 4 different QSL cards, m/c. #697: Radio Vatican 4 different "Studio" QSL cards, m/c. #698: Radio Verona (Italy) 3 different QSL cards, m/c. #699: KXLLJ cloth visor cap, blue, yellow-really beautiful!!! #700: KTNX "AW - 96TH" T-Shirt (L) brown, white, orange. #701: WOOF license plate (6x12") red, B&W-very nice! #702: Voice of America sticker (3")red, white, blue. #703: Voice of America 40th anniversary "Presidential Rule" (6"long)m/c. #704: Adventist World Radio (India) paper pennant (4x10") yellow, blue, white. #705: Radio Sweden International poster (12x16")m/c-very nice looking! #706: Radio Coteborg (Sweden) sticker (3x5") orange, B&W. #707: Voice of Turkey "Sunshine Radio" cloth pennant (7x12")m/c-very nice looking!!! #708: Voice of Turkey 5 different QSL cards, m/c. #709: Radio Budapest key chain, black, silver. #710: Radio Budapest 5 different postcards, m/c. #711: Deutshe Welle (West Germany) sticker (4.5x4.5") red, B&W. #712: Deutsche Welle sticker (4.5x4.5") red, white, blue. #713: Voice of Asia (Taiwan) cloth pennant w/ yellow tassel, (6.9")m/c-very nicely!!! #714: WTV (Virgln Islands) sticker (3.5x5") blue, white. #715: Radio Waiakko (New Zealand) sticker (3.5x5") red, blue, black. #716: Voice of Asia (Philippines) paper pennant (3x5") red, blue, black. #717: KTH (Belgium) paper pennant (4x8")m/c. #718: Radio RSA (South Africa) cloth pennant (5.5x10")m/c-very nice looking!!! #719: Radio France International cloth pennant (4x8") blue, white. #720: Radio Canada International vinal pennant (4x9") red, white. #721: Radio Nederland cloth pennant (4x6")m/c. #722: Radio Prague (Czechoslavakia) cloth book marker "Woman w/ Flowers" (3x8")m/c. #723: Radio Prague cloth book marker "Building" (3x10")gold, white-very colorful!! #724: JBA (Israel) double sided flower book marker w/ tassel (1.5x9")m/c-sharp looking!! #725: WPLR "Rock n' Roll" key chain, red, white. #726: BBC World Service metal badge (1.5") red, white, blue. #727: WDR Radio (West Germany) station pen, blue, black....Hope there is something here for you...Sam.
NASWA MEMBERSHIP FEES:

First Class North America................................................................. $16
Overseas, Surface Mail........................................................................ $16
Airmail to Central America, Caribbean, South America, Europe............. $26
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All remittances must be in U.S. funds and mailed to: NASWA, P.O. Box 13, Liberty, IN, 47353, U.S.A.

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

"UPDATE" SUBSCRIPTION RATES PER YEAR:

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