

FRENDX



SIG. TUNE: Each SW tr. begins and ends with theme which originates from an ancient folk tune from Hallingdal.

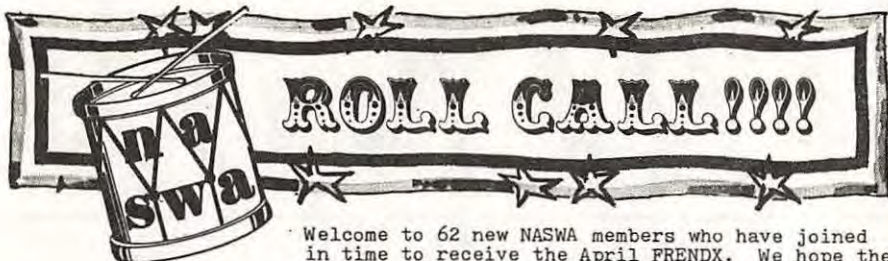


Five minutes previous to every SW tr. the following signal is sent:



RADIO NORWAY





Welcome to 62 new NASWA members who have joined in time to receive the April FRENCH. We hope they find their new association to be helpful.

- | | |
|---|---|
| ANDREW, Ian, Charlottetown, P.E.I. | NEILSON, Willie, Kansas City, MO |
| ANDREWS, Al, Weirton, WV ** | O'CONNELL, John Q., Denver, CO |
| BANKS, Thomas, Solon Springs, WI | PAGE, Ronald, Dover, NH |
| BIEVER, Donald, Patrick AFB, FL | PERRY, Floyd, Stockton, CA |
| BLUMNER, Harry N., Lancaster, PA | PYRON, Berry O., Atlanta, GA |
| BOOHER, Fred W., Xenia, OH | RICANATI, Donald & Steven, Cleveland Hgts, OH |
| BRACKENRIDGE, William, Marina del Rey, CA | RIDGE, John T., Brooklyn, NY |
| BUCHHEIT, Andrew, Woodbridge, VA | RODENSKY, Robert L., Toronto, Ont. |
| CARAVAN, Jean-Pierre, Allentown, PA | ROEDLICH, Guy, Hagenau, France |
| CARMAN, B.K., Toronto, Ont. | ROSENBLATT, Harvey, New York, NY ** |
| CIHAK, Jacob, New Port Richie, FL | SAMPSON, Daniel J., Black River Falls |
| COX, Robert, Orlando, FL | SAMUEL, Chris, Winnipeg, Man. /WI |
| DAUBARD, Carroll L., Beardstown, IL | SCHINDLER, Zack, Madison Hgts., MI |
| DEAN, Barry, Bloomington, IN | SCHUKAI, Robert, Jr., St. Louis, MO |
| DERRINGER, George, Damariscotta, ME | SECHTER, Robert J., Itasca, IL |
| FAHEY, Francis J., Seaford, DE | SMITH, Chet, Verona, NY ** |
| FLOOD, Roger D., New Haven, IN | SMITH, Mel, Laurel, MD |
| FRANCIS, Harry, Jr., Farler, KY | STEIN, Henry, Campbell, CA |
| HALE, Lester E., Panama City, FL | STENDEBACH, Klaus E., Hannibal, MO |
| HALL, John F., San Leandro, CA | STERN, David, Montreal, P.Q. |
| HAMMER, David, Columbus, OH | SWAN, Robert D., LaVale, MD |
| HARRISON, Ronald B., Salem, MA | TANGREDI, Joseph, Las Vegas, NV |
| HIGH, Jerald H., Gig Harbor, WA | TRONCOSO, Antonio, Santiago, Chile |
| HILL, Randall S., Memphis, TN ** | WATERHOUSE, John H., New Preston, CT |
| HOGARTH, Ronald P., New Hope, PA | WHITE, Stanley A., Lowell, MA |
| HUMMEL, John O., Park Hills, KY | WILD, William, H., Lyndhurst, NJ |
| KAY Jerry, San Anselmo, CA | WYPRUK, Norman, Pointe Claire, P.Q. |
| KETZIS, Sandor, Woodbridge, VA | YOUNKIN, Charles, N. Charleroi, PA |
| KING, Ralph E., North Augusta, SC | ZWICKL, Thomas G., E. Greenville, PA |
| LAMPO, Joseph P., Brooklyn, NY | |
| LAX, Jeffrey J., Indianapolis, IN | |
| McPHERSON, Dallas E., Jr., Tahoe City, CA | |
| MORROW Donald R., Ft. Campbell, KY | |
| NEILSON, Dick, Simi Valley, CA | |

** Welcome back to NASWA after a short absence!

A reminder that all membership renewals, address changes, complaints about non-receipt of publications are to be sent to NASWA HQ, P.O. Box 13, Liberty, IN 47353 and not to the Publisher or editors. It's not that we do not want others to receive any mail, but rather to keep from confusing things. Thanks!

NASWA

HEADQUARTERS REPORT

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
MAY, 1980

FROM THE EXECUTIVE DIRECTOR'S DESK: In the January issue of FRENEX, several log report items appeared in one of the Log Report sections which were credited to a "Ralph Jensen" of Toronto. The authenticity of those loggings were quickly questioned by several and the existence of their contributor was also questioned. We did verify that, as far as NASWA is concerned, "Ralph Jensen" did not exist.

Since that time, information was volunteered which alleged that Paul Routenburg of Williamsford, Ontario, a NASWA member, was behind this scheme. When confronted with the evidence, Routenburg did indeed acknowledge that he did invent the phony name and had planted the erroneous loggings. His only justification was to the effect that this was his personal protest, of sorts, against persons and groups who he felt had not given him proper recognition within the hobby in his true identity in the past. Since he rejected our suggestion of quietly making amends to those offended, we feel justified in making these facts public and dropping him from the NASWA membership roster.

We are not mentioning all of this merely as "punishment" for an errant member, but more as a reminder that NASWA's motto from its beginning has been "Unity and Friendship". We think it is important that we all remember that there are more mature and practical of resolving matters we may not be happy with without having to resort to playing games.....enough said.

ANARC - 1980: Time is growing short until the fifteenth annual convention of the Association of North American Radio Clubs (ANARC) convenes in Irvine, California on the campus of the University of California at Irvine from July 18 through 20, 1980. Now is the time to get your reservation in and confirmed since a large attendance is anticipated.

It's apparent from advance information, that a well planned affair is in store for those who attend. Personalities from a number of international broadcasters are scheduled as well as representatives of equipment manufacturers and suppliers. All of this plus the opportunity to meet and enjoy fellowship with persons with similar hobby interests. This is an "All Wave" convention and is not limited to attendance by any specific area of interest, club affiliation (if any), so all are invited.

For information concerning registration fees, advance reservations, transportation and complete details, send a large size business (#10) envelope which has been self addressed and stamped to: Convention Chairman, Stuart MacKenzie, 16182 Ballad Lane, Huntington Beach, CA 92649 without delay.

Also, in connection with the convention, publicity Chairman Pete Grenier is looking for 35mm slides of past ANARC conventions to show at this years convention. He promises that all slides loaned will be returned after the convention, so those with slides to loan should send them to: Pete Grenier, 927 North Pasadena Ave., Azusa, CA 91702 and be sure to mark with your name and address.

NASWA MEMBERSHIP DIRECTORY: We will soon be compiling the annual NASWA membership directory for 1980. This will list the names and address of the membership as of June 1, 1980 and will be available for distribution approximately August, 1980. We mention this so that if anyone does not wish his/her name and address listed in this directory, we will not include it if we are advised accordingly. Those who have previously ask that their anonymity be honored need not remind us again since we already know who they are, but others not wanting to be included can send us a note or post card to that effect as soon as possible and before June 1, 1980.

ENGLISH BROADCAST LIST-SPRING 1980: Dan Ferguson, past NASWA Executive Director and publisher, sends a copy of his latest computerized list of world wide English language broadcasts. This is a ten page, two part list with the name of the country, station, times, and frequencies listed both by alphabetical and time in GMT 0000 thru 2345.

A copy of this list is available direct from Dan Ferguson, P.O. Box 8452, South Charleston, WV 25303 for \$1.00 plus a business size (#10) envelope which has been self addressed and with 28¢ postage attached. This offer is available to North American members only, and only direct from Dan, and not NASWA HQ.

shortwave CENTER



JERRY A. LINEBACK, Editor
P. O. Box 325
St. Joseph, Illinois 61873

MAY 1980

Intelligent Radio

AN INTELLIGENT RADIO: THE MICROPROCESSOR AND SWL

by Richard T. Mansfield, RR 3, Box 82, Phillipsburg,
PA 16866

It is not difficult to see that quite a significant change has just occurred in electronics: the invention of the mass-produced microprocessor. This device--a powerful computer contained within a plastic wafer (chip) the size of a postage stamp--is being stuck into ranges, cars, and, of course, radios. It is cheap and it is easy to add one to a toster. It uses insignificant amounts of power. But, when added to a device, the chip makes the device "intelligent."

In this article I want to outline some of the inevitable uses for the chip in radios. What can we expect of smart radios? What functions will this chip control or improve? But first we should briefly define the chip itself.

Few of us are unaware of the leap in civilization when moveable type was invented and information could be mass-produced instead of laboriously copied by monks or hand-carved onto printing plates. Suddenly everyone could benefit from ideas.

Something of equal importance has happened to the "mass-processing" of information. The old radio had to be "made" by someone in a similar sense to the cumbersome process which monks used to make books. Someone actually had to wire the parts together inside, more or less by hand. A circuit was drawn and then people put it into the real world one by one in a factory.

The advent of LSI (large scale integration) meant that a circuit or combination of circuits could be drawn and then photographed. The photo was then reduced and etched to form a very small device. This way of making a radio has several advantages: it is small, cheap (no labor costs), easily serviced (the whole radio can be tossed out and replaced instead of a tedious search for the defective part), and it is encased in plastic (no exposure to moisture, etc.), and little thermal deterioration is possible since it generates very little heat.

Circuits stacked one upon the other, to form a matrix with wiring on all planes, these chips look like complicated little cities when you break into one. And, in a sense, that's what they are. If we simplify a bit, LSI technology, only a few years old, is spreading "intelligence" at an electric pace. And the LSI is what made microprocessors possible. The LSI radio, BATTERY-LSI-CHIP-SPEAKER, remains "unintelligent" until you add a microprocessor. The reason we refer to this as the addition of "intelligence" is that a microprocessor can remember things and also make decisions.

The microprocessor, hereafter referred to as MP, is an LSI chip but it is not "dedicated." In computerese, dedication means that a device is designed to perform a certain function and is frozen into that task: a radio makes music from airwaves, but cannot, for example, only turn on when there is piano music available. If, however, the radio contains a MP, then you could easily tune in a piano broadcast, tell the radio to sample this waveform, and then only go on when similar waveforms appear in the future. It is possible to design such a radio without a microprocessor, but it would be frozen into the piano-recognizing task. With the MP, you can change your mind and tell it to respond to both the piano and the (rare) Bach solo violin sonata. Or to particular BBC announcers, or all three.

In other words, the MP can be changed by the owner in a great variety of ways which reflect the options required by the owner, not the designer.

The MP is digital instead of analog. This means that events are manipulated in discrete numerical fashion instead of by crude attempts at parallel response. In both cases, you are

trying to manipulate (or "process") information, but the MP will not degrade the information. It is sort of like trying to square the circle. A digital technique involves a large amount of separate samples which are taken along the curve. The result is a mathematical representation of the curve. An analog process would be an attempt to imitate rather than measure the curve and the representation would be in the "real" world rather than the world of the idea (mathematics). So, a typical tape recorder imitates sound waves on the patterns of metal suspended in the tape. You can see the little imitation curves (waveforms) imbedded in the metal particles. Because these imitations are subject to the forces of gravity, heat, magnetism, moisture, and the rest of the degrading entropic enemies of truth, you cannot hope to get a waveform copied and stored without significant loss of information. In addition, the process of imitation itself is degrading: You cannot construct a microphone diaphragm which will create the same waveforms as a snare drum unless the microphone is the same size and composition as the snare drum--in other words, is a snare drum. In which case, this weird (but ideal) snare drum mike is rather bad at imitations (pickup) of the tuba. And this failure of analogy holds true all through the analog system.

In this way, both the storage and the detection of information is degraded by the use of imitative (analog) technique. The digital technique is vastly superior in both respects because it manipulates information in the pure sense. It does not make relatively crude copies, but rather it makes complex mathematical descriptions. How can it afford to do this?

A MP has an advantage over our human brain in two basic ways: speed and size. It can make mathematical calculations of immense complexity with great speed and complete accuracy. Also, it can store (and immediately recall) immense amounts of information. When you want to record a snare drum, you sample the waveform many times each second. Then you store each measurement. It is stored as a number. Numbers are not disturbed by heat, etc., so when you play it back, you get what you put in. Because of this unimaginable speed of sampling and size of storage, the computer is rapidly replacing some of the functions of our own brain. It will be seen, in the future, as a quaint throwback, when someone actually learns the multiplication tables. Or morse code.

There are those who argue that it is important to know such tables and codes. It used to be said that when a generation grows up without knowing Latin (or harvesting, or horse riding, you name it) then that will mean the end of civilization. This is a rather narrow definition of civilization, in each case--as we now know.

If there is a button on your receiver marked CW which, when pressed, changes the didahs to intelligible spoken words, will you complain of the service? At present, such a device sells for \$500 and will print out the message, not speak it. But Texas Instruments has been selling a chip for over a year which takes MP signals and translates them into spoken English. Combine the two. In general, when you combine two devices like that, the chip does not get fatter, it simply becomes more dense. On this microscopic level, where the information is represented by binary (yes or no) states, you can pack a lot into a small space. And size and price reductions are happening with incredible rapidity.

So let's add some tasks to the MP in an attempt to define our intelligent radio.

I recently bought an RF-2600 Panasonic receiver and was shocked at what was inside! Very little. Instead of the heavy jumble of resistors, capacitors, etc., there were some LSI chips scattered in there, among the others. As the chips replace huge numbers of cooking resistors, leaking capacitors, and so on, we can ask our radio to have much greater reliability. You won't need to worry if it fails. It will have, we ask, the same advantage which Kleenex has over handkerchiefs. Just buy another one if the old one is messed up.

Now, the "modular" approach is being used: circuits are on cards which insert into the unit. In time, the radio (like the calculator today) will be far less costly to replace than to repair.

The tuning aspect of radios is quietly being replaced with digital readouts which have the advantage of being accurate (if less challenging). This is the real reason for the terminal sickness which has started to overtake the QSL-hunting aspect of SW. As satellites provide ever-stronger signals and radios provide ever-greater accuracy--the pride involved in hearing weak and obscure stations will disappear. It will all be automatic and taken for granted, like the telephone. In the days of Marconi, no doubt, people sent each other letters confirming telegraph messages. Time passes.

Another casualty of the advancing MP takeover is the tuning dial itself. Frequencies will be entered via numerical keypad. Frequencies are, after all, numbers. It makes sense to treat them that way rather than sliding along more or less in the vicinity. So the circles are squared. The face of the receiver loses all its circular knobs which are, by definition,

analog nostalgia. Take a look at the controls of the Bearcat 250 Scanner to get an idea of the look.

Signal processing will be nothing like what the SWL means by that term today. The intelligent radio will translate languages (20-30 years off) translate RTTY and CW (today) and soon remove any type of heterodyne or QRM, QRN, or QSB (a year or three). What's more, you will not sit there twisting dials or throwing squelch switches. The MP will recognize a problem and correct it without human help via a feedback loop (self-modifying system). Some of these processing devices are in place, but very expensive. Mass replication will, however, cheapen them quickly.

You might have noticed that there are two basic classes of electronic products today: Those with and without dials. Some microwave ovens, videotape recorders, etc., still have a combination of dials and buttons. And others have only buttons. The more advanced ones use mathematical entry to give the information from the human to the device. This also means that the device has a memory and can turn on and off by itself, change frequency, etc. without further instructions. These devices contain MPs which do that deciding and remembering. At this stage only a few radios work this way, but not for long. The uses which MPs now serve are crude, but that is always the case. It is likely that the overlapping functions of the telephone, TV, radio, CB, and so forth will merge into an all-purpose transceiver, and much quicker than we think.

In any event, we can already see the Bearcat. It looks more like a computer than a radio, as they say. It is a computer with a radio function. It also contains timer and clock functions. But, once you add the MP to something, it is far more appropriate to think of the device as a computer with certain devices attached than vice versa. The reason for this view is that these MPs, like oil on water, tend to coalesce. This makes sense. If the MP inside your TV and the other one inside your oven are in control of their respective devices, why not promote a third MP to a position as governor of the other two? This process results, quite easily, in a central control which oversees all the MPs in your environment: the central processor. Some homes have them now. If I were building a new house, I would be sure to include audio wiring in the walls and MPs at each electrical outlet.

As these changes come about, we must be patient with those who insist that tube-driven amplifiers are "smooth" compared to the "hard" sound of the transistor. We might know that the smooth quality is really a poor transient response combined with the high-frequency deficiencies of aging ears, but we should be gentle about these conflicts. One day we will be in the same perplexion about some major change in civilization and we too will probably think that this is the end.

A friend of mine bought an expensive amplifier (audio) five years ago and he recently went into a stereo store to trade up. The dealer offered him about 1/10th of what he thought the dear amp was worth and he said, "Don't you people realize how much this amp cost me?"

The dealer replied, "Yes, sir, of course. But you see, they have abandoned that kind of thing. I mean, you can't get parts easily for those."

"But it's only FIVE YEARS OLD!"

"Well, I guess," said the young salesman, "that you are just a victim of technology."

The intelligent radio, then, will not really be a radio at all. It will be an aspect of a computer. In this case, some advice to the younger reader is possibly appropriate. Had you been alive when the printing press was gathering momentum, you might have wanted to learn reading. Not many people knew how and it was to prove very useful. In this case, the microprocessor suggests that you learn the techniques of programming if you prefer not to be a victim of the rapid changes that are now approaching.

Receivers

NEW RECEIVERS FROM RADIO SHACK

by Vijay S. Tripathi and others

As you may know by now, Radio Shack has phased out its DX-160 and DX-300 shortwave receivers and is offering existing models of these receivers at greatly reduced prices. A recent catalog lists the DX-160 at \$119.95 and the DX-300 at 259.95. The DX-160 particularly would be a great buy at these prices, if any are left. These receivers are being replaced by the DX-200 and DX-302 receivers. These new receivers are now available in some Radio Shack stores and will soon be at all.

THE DX-302

Well, after reading a lot about the DX-300 saga, it appears that we may look forward to the DX-302 saga. This new receiver looks just like its predecessor, the DX-300. From the outside (front panel) only two differences exist, namely the "fine tune" knob of the DX-300 is now labelled as the "BFO pitch," and the "wide-normal-narrow" switch of the DX-300 is now the IF-bandwidth switch with two positions (wide and narrow). The selectivity of this new receiver seems to have been greatly improved as compared to the DX-300 (where the bandwidth was 6 kHz at -6 dB and 20 kHz at -70 dB). The narrow position is very effective in cutting noise level even from fluorescent lights.

I operated this receiver for about 20 minutes in a Radio Shack store. The receiver was connected to an indoor long-wire antenna. The only problem I noticed (with the unit I operated) was that, since the MHz knob does not "lock" at a fixed position, although the MHz LED display does not change, the S-meter does show a variation in the signal strength when I moved the MHz knob in either direction a little bit. This means, one will have to find the optimal position of this knob (at least with the receiver I used). The operating manual has warning against using an antenna 50' or longer at 2 MHz or lower frequencies and stresses the significance of proper preselector setting.

Technical specifications

Receiving Modes: LSB/USB/CW/AM/SSB/STD BY

IF Frequencies: First IF-55.5-54.5 MHz
Second IF-3-2 MHz
Third IF-455 kHz

Sensitivity: For 10 dB S+N/N (AM)
at 50 kHz is 30 uV; at 300 kHz is 2 uV; at 900 kHz is 1 uV; at 3.1 MHz is 0.5 uV; and at 28.1 MHz is also 0.5 uV.

Selectivity: -6 dB -60 dB

Wide	3.5 kHz	6.0 kHz
Narrow	2.5 kHz	4.0 kHz

Image Ratio: More than 60 dB

THE DX-200

The replacement for the venerable DX-160 receiver is an analog readout receiver, smaller in size and weight than the DX-300/302. It resembles the Kenwood R-300. Coverage is 150 kHz to 30 MHz, with an IF "hole" from 400 to 520 kHz. Selectivity is 4 kHz at -6 and 8 kHz at -60 dB. Sensitivity is 1 uV across the bands. (The above from The Market Place Report)

DX-300

IN DEFENSE OF THE DX-300

by Charles Chavdarian, 9916 Aldersmead Ct., Richmond, VA

As the controversy continues to rage, I would like to add my own observations and thoughts regarding the DX-300.

Utilizing a Heathkit SW-717, and quickly realizing its limitations, I became increasingly interested in better quality receivers with digital frequency readouts. Having read Larry Cunningham's difficulties with the DX-300 and Larry Magne's review of the same receiver in the WRTWH 1980, I became somewhat wary of it. However, the back-to-back reviews in FRENDEX (Feb., 1980) by Diane Levesque and Brian Robertson, and the reviews in Popular Electronics (Nov. 1979) and Communications World (1980) were all quite favorable toward the DX-300. Based on these four evaluations and the fact that Radio Shack dropped the price on the receiver to \$259.95 in a closeout sale at the beginning of April, I bought one. I should add that I thoroughly cross-examined the salesman and made sure I was getting one of the latest models direct from the factory. I have been giving the DX-300 a real work-out resulting in the observations which follow.

The accuracy of the receiver is excellent, with no drift after a short warm-up. All frequencies from the BCB throughout the shortwave bands are exactly where they should be. Selectivity is good for station reception although it could be better on the Ham (SSB) bands. A 4 kHz filter (or less) would be preferable. Sensitivity is quite fair. I'm pleased with

the number of additional stations I can now pull in. I have yet to experience any appreciable overloading. In fact, the intrusion of stations such as R. Canada International in the background are effectively cancelled with the attenuator and audio switches. This is quite impressive since I routinely utilize my 50 ft. long-wire antenna (plugged into the coax connector) instead of the 4 ft. whip. Contrary to the WRTVH, when the preselector is properly tuned there is no occurrence anywhere of the "1 MHz synthesizer breakthrough." For example, WWV only shows up where it is supposed to at 2.5, 5, 10, and 15 MHz, and not at 6, 7, 8, etc. (In fact, when the preselector is improperly tuned, the only occurrence of this problem is the appearance of BCB stations 1 MHz higher in the 1 and 2 MHz bands. The shortwave bands remain unaffected.) The preselector, when used properly, performs very well.

There is a lesson to be learned here. Before making a purchase of a receiver, even a "controversial" one, read up on the reviews pro and con and try to exclude the emotionalism. Indeed, even the article in the WRTVH on the DX-300 seemed to transcend objectivity. Of the many rather strongly worded criticisms of the DX-300 in the WRTVH, note the one regarding overloading. A number of other receivers reviewed in the book suffer from overload problems, yet it is the DX-300 that has been made the whipping boy. Contrast this with Communications World's "only minor complaint" that the DX-300 has a "relatively low overload threshold," and Robertson's statement that he has experienced no overloading.

In summary, I am very satisfied with my purchase and certainly recommend the DX-300, especially now at the discounted price at which it is a bargain. Although the sale ended April 29, Radio Shack may have some left at the factory or in certain stores at the lower price.

Pirates

THE PIRATE PROBLEM

by Ralph W. Perry, 1208 Spruce St., Apt. 402,
Philadelphia, PA 19107

When is a shortwave station actually a station? This seemingly unnecessary mind-game must be addressed now by hobby opinion leaders so that they may keep clear and rational the bounds which describe just what our hobby is all about. Frankly, there is no "pirate problem" at the moment, just as there was no energy problem in the very early 1970s. But recognition of what is potentially brewing insures that hobbyists maintain a degree of control over how their field of interest is to evolve in the coming years. As one noted DXer put it, the time to develop a rational policy is now, in anticipation of future developments. In a future scenario dominated by perhaps hundreds of pirate broadcasters, the objectivity and effectiveness of any policy development will be severely compromised.

So, enough with all this fuzzy generalization. What, you ask, could possibly be wrong with the domestic (and foreign) development of a pirate aspect to the SWBC hobby? As long as the development is viewed as a distinct entity, and separate by virtue of its differences from traditional SWBC DXing, nothing. But a number of pressures impel the inclusion of the domestic and foreign pirates into the general DX bag of SWBC. . . and after much consideration, I find that I, for one, find that inconsistent and unacceptable. As seekers of SW stations, we generally applaud the growth of the number of DX targets that are actual stations; and the availability of the hobby pirates, along with their propensity to QSL (a consideration which colors the judgement of those in the hobby who enjoy that aspect), certainly appears to be such an expansion of SWBC stations. But I argue it is not: The SW pirates are not stations but are more akin to amateur radio operators. If one wishes to define this hobby listening as ham-DX, excellent, the pirates offer a fertile field. But as SWBCers? No.

After a great deal of thought, I have been able to clear up, at least in my mind, what types of considerations underlie the rather general malaise I (and a number of my fellow DXers) feel regarding pirates being counted as genuine SWBC stations. However, I admit from the outset I still lack the clear guidelines which could be applied in judgemental decisions were pirates to be accepted or rejected on a selective basis as "real stations." But this anticipates my argument.

I will argue that a hobby pirate is not a true radio station and, although the second category would seem to fall under any blanket judgement that included hobby pirates, that clandestine stations fulfill the major requirements and thus are genuine stations. Drawing this line is the major difficulty in the attempt to formulate a hobby pirate policy. On the one hand, we DXers have never had any trouble accepting clandestines as genuine stations, so how could we on the other hand reject the hobby stations, which seem so akin to clandestines?

First, let me attempt to illustrate the type of general queasiness the hobby pirate

threat induces for me. I am, with no shame at all, a station-chaser. Although I have areas of very strong cultural interest, I complement that aspect with an interest in hearing as many stations as possible. Of course, as a QSL-seeker, I fully expect to attempt verification of any loggings. Now, when I read of a new station taking the air in Peru, I am exhilarated by the prospect. Likewise, new stations in, say, Venezuela, Nigeria, Cameroon, Taiwan, China. It's a good, and reassuring (in terms of survival of my hobby), feeling. Contrast that to the feeling that I, at least, have when a new domestic pirate has been heard. Questions arise: Was this a one shot "kids playing radio?" Can I really get excited about rising at 3 am because some 12-year old has decided to play records on a ham transmitter for a few weekends? Is this really the same thing as a, say, Radio Juventud or even a boring outlet like KGEI? I think you will have no problem immediately recognizing that the hobby pirate stations are, indeed, different from the run-of-the-mill SWBC station. There is no actual permanent studio, no commitment to continue operating, no official sanction, no semblance of seriousness in the endeavor (other than the smoothness or lack of same in the programming). Such considerations should be enough to dismiss these as non-stations, except for the troubling precedent of clandestines. How, one asks, can we remain consistent?

The answer which first came to me, and to which I keep returning, is a question of professionalism? Well, a slick operation such as WDAB might be characterized as rather professional-sounding, more so, in fact, than perhaps Radio San Juan de Tarma. The latter is obviously a "station," so does that imply that WDAB is also a station? No. While the concept of "professional" style of programming generally tends to travel hand-in-hand with stations which are de facto genuine SWBCers, it is not unreasonable to expect that some hobby pirates will be able to duplicate the quality of broadcasts heard on traditional stations. But "sounding like" a station no more makes a nonstation a real one than does "looking like a woman" make a female impersonator a lady.

The question revolves more around the intangible aspects, not the aural, of professionalism. What is it that a small Latin station, a major Soviet regional broadcasting center and a clandestine outlet in the Malaysian jungle all have in common? It is, again, professionalism defined in a very strict sense, perhaps best approached by defining what it is not -- it is not "playing radio." In all three cases, an institution has been set up, the prospect of continued existence is very strong, nearly a foregone conclusion. At the inception of each, the horizon is not limited, operations are seen as open-ended. Something in and of itself, separate from the individuals who merely work within the new entity, has been born. Further, the non-playing definition of station motivation (admittedly this is simplistic: if you're not playing, your working) makes it easy to see why we feel, on a gut level, that clandestines are and have always been legitimate SWBCers. A clandestine station may not be operating for profit, like commercial broadcasters, but the dedication of employees to the operation is similar in degree to salaried workers. The product is political, it is serious, it is something that the individuals consider their "jobs". . . their profession.

Note that, for the most part, stations which are commonly accepted as stations exist as entities of themselves, which for the most part will continue to exist despite the passage of individual employees. The typical hobby pirate, on the other hand, is the game of one or two individuals, an extension of the principals, which ceases to exist when they loose interest. I anticipate a retort: What about the one-man Latin American fleabag outlet? I would answer that the intent is the key factor. The station Sr. Navidad sets up is intended to prosper, grow, flourish. That it does not and as a consequence dies when he does is more a statement of his lack of success, not the nature of the endeavor.

Given the above, suppose we say that, yes, there is a distinction to be drawn between hobby pirates and the rest of the lot. How is it to be done? This is a real problem and, frankly, where the whole thing breaks down. Should we put all hobby pirates "off to the side" or do some of them qualify as real broadcasters by virtue of the amount of professionalism of format, etc.? This area would open an entire can of worms, with different hypotheses competing as criteria for "acceptable" vs. "nonacceptable" pirates. It has been suggested that such things as longevity, continuity, ability to QSL, and so forth be the bases for decision rules. After much thought, I personally have come to reject the above. For one thing, given the philosophical web I've woven regarding the nature of the institution, I am bound to take a pirate-no pirate stand. . . or rather, no middle ground. The suggestion that QSLs be a deciding factor (because of the assumption that the ability to QSL somehow proves intention of continuity) seems unacceptable to me. As it was put in private correspondence to me from another concerned DXer, a station should be a station because it is, not because it QSLs for an individual. For the past ten years, Radio Malabo has undoubtedly been a station; how would DXers be justified in pretending it is not? No, the QSL criterion would admittedly help DXers keep tidy HIS/VIS totals, but seems at least to me as ill-conceived.

But the basis for that test, the idea of continuity, is important. For it is the

continuity that a (what I've defined as "institution") station implies that somehow gives it the "life of its own" status. And this, then, raises a critical issue. If we put all hobby pirates off in a corner by themselves, might some of them ever cross the line and join the ranks of legitimate broadcasters. The answer, yes, of course. The recognition might be triggered by actual changes in the form of the pirate from hobby to legit, such as by the taking of advertising (RNI). Or, the trigger might be a "fuzzier" distinction: Radio Yo-Ho-Ho has been on the air weekly for three years at the same time or day, and for all appearances, will continue to do so. It might be argued that the station has become an entity of itself, separate from those who work for it, and thus is an actual shortwave broadcast station. The problem with this is that it involves an arbitrary decision as to the amount of time that determines a station's self-sufficiency. And being arbitrary, it is bound to be unpopular.

Answers? Sorry, but I don't have them. As unsatisfactory as it might seem, I would most favor at this point elimination of hobby pirates from the realm of traditional SWBC DXing and relocation into the twilight zone of, say, harmonics and card-swapping. There is nothing demeaning about such a separation. The hobby pirate situation is a unique one, and one that is going to mushroom quickly, just as CBing went from a strange thing that kid quasi-AROs did to the bread and butter of a nation of redneck truckdrivers! If there is a problem, and I believe there is, the time to address it is now. A serious dialogue among DXers is required if we are to influence the shape our hobby is to take five years from now. To ignore this is to abrogate both responsibility and control over the hobby's destiny.

OTH Radar

HF OVER THE HORIZON RADAR

A transcript given on 17 Nov. 1979, by Major Bruce Eggers WA9NEW. Via Mike Agner, Delphi Associates, 169 Merrimack St. Lowell, MA 01853

INTRODUCTION

The following is a transcript of a talk given by Major Bruce Eggers WA9NEW to the Quannapowitt Radio Association on the topic of over the horizon radar as it pertains to the facility in Maine. The information is presented here in the hope that it will better inform the DX community about the technology and problems regarding OTH. The transcript has been approved by the Air Force personnel at Hanscom AFB, Bedford, MA; any errors in the transcript are therefore entirely mine.

Major Bruce Eggers is well qualified to talk on this field. He graduated from Northern California University with a Master of Sciences Degree in Meteorology. He is currently Chief of Staff of the Meteorology Electronics Systems Division at Hanscom Air Force Base in Bedford Mass.

" . . . In the three years I've been at Hanscom AFB I've gotten the opportunity to see a lot of interesting developments coming along; new weapons systems, new communications systems, new surveillance systems like this that I know are of interest to the amateur community, and particularly so with the Over The Horizon Radar because of the tremendous adverse image that we all have on this kind of subject as the result of our 'friends' over on the outside of the world in the last year or two. So you know well that there is lots of interest, so what I did this past summer was attempt to arrange a presentation on this subject at the New England Division convention. Now we realize of course that an awful lot of people could not make that trip, and the room we were in sat only about 100; we were jam packed and running out the doors to get people in there. So now what we would like to do is make this available to clubs around the entire New England area and my own interest is nothing more than this; I don't like to see things get more screwed up any more than the next guy. What I do see is a lot of speculation, rumor, and false information that comes out of the amateur literature. So the Air Force has a very keen objective in mind to convey to the amateur community that in this case this will be constructive; what is happening and to make folks aware of what is going on. And I hope this evening you will find out that this radar which will be a neighbor of ours in the HF frequency spectrum, is going to be a good neighbor, the performance of our competition not-with-standing.

There is a variety of different names this thing goes by - the Air Force likes to put acronyms on everything-it's called 414L; you may see that in literature in some place or another; you may see the term Conus OTH*B. Conus is continental United States; OTH is over the horizon, and B is backscatter. There have been many other OTH HF radars that have been experimented with and have been deployed in various stages over the years, not the least of which is the forward scatter mode, in which you would propagate along the ionosphere and the receiver would be sitting thousands of miles away downstream someplace listening to the signal. Disruptions would mean something was going on in the ionosphere.

This radar is a backscatter- so it has a number of characteristics similar to any radar set. Practically all hams have communicated in the HF portion of the bands, so I don't think this is anything new to most of you, but this thing will operate in that portion called HF between 3 and 30 MHz, the same portion of the spectrum where the 80, 40, 20, 15, and 10 meter bands are located. So that's markedly different than most radars; most radars operate in the microwave portion of the spectrum; at least a few hundred MHz up into the GHz range, while this thing is sitting here down in HF. There are a lot of other activities of course, in that part of the spectrum, International Broadcast, a lot of long haul point to point communications, aviation, marine - there are many other services that share the HF bands and this OTH radar will be operating in that same frequency regime employing some awfully powerful transmitters and high-gain antennas, plus arrays of receivers. It's presence is going to be known, there is no doubt about that, across the HF spectrum as a whole.

As in microwave radar, the receiving system collects and locates sources of echoes from the transmitted signals. The location of these sources involves azimuthal definition; the directional heading supplied by the receiving antenna and its beam-forming network; and range definition that is achieved by knowing very accurately the timing of a round trip signal. Now the first thing that should be obvious to you is that you are transmitting a signal out over a distance of say 1800 miles and what you're going to get back will be a little bit of energy that will be reflected off an aircraft; there is not going to be much energy coming back. It is going to be an awfully weak signal. Of course it must come back on the same path it went out, which implies it must go through the lower portions of the ionosphere where you'll get all the absorption of a signal that is reflected off the F-layer. High power and high beam antennas are necessary and the problem here is that you're digging down in the noise level trying to find the weak signal.

There is not a great deal of difference between this radar and many others; it has all the basic elements as any radar does- the transmitter, receiver, and antenna. There is one difference with this setup - it uses two antennas. Most radars work with one antenna. They transmit for a very short period, the transmitter turns off and uses the same antenna for listening. This radar works in a bistatic mode-it uses two separate antennas.

There are a couple of unique problems that are different with this location (Maine) from any others we've operated from in the past. For example, there is one down in Maryland that has been operating for quite a number of years. The difference with this one is that it is in the auroral region; and as is well known, the polar cap region is a very difficult region to propagate through and work with; Northern Lights, 2 meter (144 MHz) skip off the aurora, and so on. The aurora does some strange things to radio signals. What we need to do is to look out to the North, and in order to do that, we need to bounce off the ionosphere that is near the auroral region; and at times the auroral oval comes far enough South that we are bouncing off the auroral region itself. So it is very technically difficult to do this. If you are down in the mid latitudes, you know very well what the ionosphere is doing in a given instant of time and you can predict from where the signal will come back; but up there in this region you can't do that.

One of the things about this radar the Air Force is putting up in Maine is that it is experimental. There was originally funding for a prototype system to be put up in Maine, but unexpected problems and early cost growth forced a program restructuring, so the system has been drawn down just a little bit, and is now classed as an experimental system. The scheme is to put it on the air, operate it for about a year, then hold a series of evaluations to see whether this thing has a worthwhile purpose; the worthwhile purpose being able to see the bomber threat or other air launched attack that might be coming against North America. We expect them to come in from the North and that's a problem. So it's an experimental radar and if it works well and everything goes well during the year's evaluation, the powers that be will make a decision whether to attempt to build operational radars. If they do, I think we can speculate that the site in Maine is a very logical place to put an operational radar. It would be quite a number of years down the road before that would be accomplished, but if the decision is made to put a production radar on the air, the plan is to put one on the East Coast, and one on the West Coast. That site is there, all the stuff is there, we'll crank this thing back up again, play with it some more, conduct more evaluations, decide what they have to do different to make a production unit, and put a production radar up there.

The transmitter site is located at Moscow (Maine) Air Force Station, near Bingham, with the receiver site at Columbia Falls Air Force Station. Now a couple of words about how the thing will operate. It's not a pulsed radar, such as the ones we here on the HF bands once in a while; this thing is a continuous sweep radar. It starts at a given frequency and then changes frequency in a sweep which is radiated continuously. It puts out this sweeping pulse and then in near zero time it cuts back to where it started and does it again. So it is not a pulsed radar and you don't hear that ping-ping-ping pulsing stuff. The band width is

variable, between 2.5 and 100 kHz, and the sweep is variable from about 20 Hz to 60 Hz. If you were operating at a bandwidth of say 20 kHz, and the rate at which the radar was sweeping across that frequency was 60 Hz, then what you would hear if you were listening to it would sound like AC hum. The reason for that is it is sweeping across a range of frequency that is broader than the bandpass that you would be listening on, so what you would be getting is a pulse as this thing goes across that spectrum each time, 60 times a second. This is the same type of thing that you would hear from 60 cycle AC line noise. If the radar were operating significantly below a 60 Hz range, you probably wouldn't hear it at all, because a communications receiver doesn't have good low frequency response and this thing goes down as low as 20 Hz. Unless somebody's got a hi-fi receiver, a frequency response of 20 Hz is not that noticeable. The lower frequency will markedly reduce the intensity of the sound that you hear. This radar's sound is not that pulse sound that you are hearing on the bands now, this will sound like a very low-pitched hum.

The receiver and transmitter are separated on the order of 100 miles, and they are connected by landline communications links. All the workers who will evaluate this radar will be located at the receiving site at Columbia Falls. The people that will be at the Moscow site will be operations and maintenance people. There are transponder sites in Newfoundland and Greenland. The idea here is when it hears the transmitter the site will reply with a short burst at a known offset so the receiver in the US can clearly ID the point in space. One of the problems with this radar is where the signal being returned to Earth is controlled by what the ionosphere is doing. If the operating frequency is changed from 8 to 11 MHz, you will have a marked difference in propagation characteristics. So by placing the transponders at specific places, and having specific signals returned to you, you know what you're hearing and you know how the ionosphere is behaving. There are also atmospheric sounders going in support of this thing, one at St. John's Newfoundland, and there is one in Goose Bay that's been there for some years which is fed directly to the site so the engineers know what the ionosphere looks like in any given point in time.

The transmitter has a control unit that feeds data that controls what is put out, plus an exciter which drives a beam former which drives 12 transmitters in parallel. Each transmitter puts out about 100 kW each. The antenna is made up of 4 sub-arrays consisting of 12 dipoles each cast at an angle. The transmit array is 2265 feet long which is divided into 4 segments which cover the frequency that it will operate in, they didn't build one massive antenna. One of the reasons for that is they have to be extremely frequency agile; and you won't be limited to just a small portion of the band on which you're working. It will be capable of shifting frequency almost instantaneously. All transmitters will be running at the same time, and the amount of power coming out of a given amplifier will be a function of which part of the array is being fed at any one time.

The receivers will check to see whether a frequency is open and to see whether it is propagating the desired way at operating time. The computer will then send a transmitter to a clear spot. The receiver will 'listen' before it transmits. Use of the frequency will be kept to the shortest time possible to complete the surveillance mission. If you want to look at a given area and identify a batch of aircraft, only experience will tell how long you want to look in a given area. As the ionosphere changes you will want to shift frequency in order to idealize the situation. The operating bandwidth will be minimized to only that which is actually needed. Those of you who are familiar with doppler radar techniques know that if you look at the signal as it returns, there are a series of harmonic related velocities that don't show up on your radar and in order to preclude being blind you must change sweep rates. Spurs and noise emissions will be monitored at all times. Minimum power will not be exceeded and an Air Force interference committee will be set up to expedite investigation of any reports of QRM encountered. They talked about trying to deal with the FCC—we all know how well that works - and for this reason they built their own interference committee.

On allocations - in the past OTH radars had been assigned specific frequencies on some very narrow bands within which they could work. In order to have the flexibility that is required for this kind of radar, you must have a fairly broad range of frequencies in which to operate. You could go and ask for a whole bunch of spot frequencies, but that is not entirely practical, so what was done was to get permission through appropriate frequency management channels to operate in segments of bands in the HF spectrum on a non-interference basis.

It is a little different from operating on a given frequency. There are some problems with operating on a discreet frequency and one is that it will be very prone to jamming. The intended coverage area is about 500-1800 miles, you can shift the frequency beam and gain to shift the footprint of each beam. The auroral oval will also be a problem (as explained before) as at local midnight the oval could come down as far as the transmitter site.

A couple of words on interference; no one would be bold enough to say that it can't happen. The sheer power of the transmitter will make a receiver do some strange things. Probably the more significant source of problems with this thing will be non-linear rectification in things like farmers' barbed wire fences. It should be limited-the contractor will be dealing with the folks in those affected areas and will be making a serious pitch to reach those amateurs that are out in the Moscow area and the Northeast. The transmitting antenna has a back screen good to about -20 dB; but that is not all that much when talking a megawatt plus and attenuating it by that much. It could cause SWL receivers and preselectors to overload as it is still quite powerful. Should anyone experience QRM which may be caused by the experimental radar system feel free to contact the Air Force representative at Columbia Falls AFS Maine at the following phone number (207) 638-2001. There are several things to keep in mind if you decide that you want to see if this is actually what you're hearing, namely:

- a) it doesn't sound like the Russian woodpecker
- b) it is not operating in the HF Ham bands
- c) it is operational on limited days for limited hours. There will be at least one day per quarter when there will be a 24 hour operation. Normally, if you find it during the day you won't find it at night. If you're sure you're hearing OTH, be prepared to come up with the following:
 - 1) received signal strength. S meter is OK, but even better is to compare it to some standard station like WWV or CHU
 - 2) your receiver and antenna
 - 3) method of operation (superhet, Wadley loop, etc.)
 - 4) the signal waveform repetition rate, if known (DXers with oscilloscopes that know how to use them will find this a snap!-mja)
 - 5) exact time in GMT and date too of QRM
 - 6) direction of arrival at QTH (if known)

Amateurs, and SWBC/UTE DXers should search for it. The frequencies it will cover range from 6.8 to 22 MHz, with a few breaks. (Significant for us is that the 31, 25, 19, and 16 meter bands SWBC all fall into that range!-mja).

Finally, there's one side benefit - there are more propagation studies being done for this thing than any other system the Air Force has ever played with. In this way, using the OTH, we can learn more about the ionosphere.

At this point, I would like to thank Major Bruce Eggers WA9NEW for his permission to transcribe his most interesting talk, and the Air Force personnel that reviewed and updated this transcript at Hanscom AFB, Bedford Mass. Without their diligence, patience, and willing consideration this transcript would have been impossible to present. I would also like to thank Pete Schipelliti WB1GEX, Log Report C editor, for the work he did as go-between and also for carting me down to the meeting site so this transcript could be created-mja.

THIS & THAT

Robert Swan, La Vale, MD reports that Hallicrafters has new owners who are trying to re-establish customer services. The new address is 10711 Hainlin Mill Dr., Miami, Florida 33170.

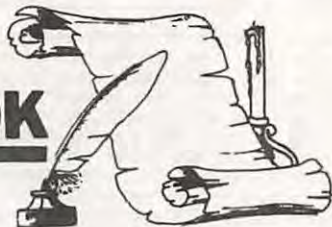
Radio West, 3417 Purer Road, Escondido, CA, 92025, has a new catalog of interest to SWBC DXers. If you have not received one, write to them.

A number of WRTH readers have queried Larry Magne as to where they can have Drake R-7/DR-7 bandwidth filters installed in logical sequence. This a tricky job to do properly, but finally a satisfactory solution has been found.

Steve Bohac, well known for years in MW DXing circles, and who helped with the 1980 WRTH receiver tests, has decades of professional experience repairing, aligning, and modifying tube-type communications receivers (e.g., HQ-180s, R-390's, R-48's). For some time, now he has been quietly installing mechanical filter and full-wave AM detector modifications, as well as performing a variety of other technical services, for a small circle of hobbyists, including myself. Accordingly, I asked Steve whether he would consider performing these services, including R-7/DR-7 filter arranging, for the hobby at large, and he has agreed. His rates have been fair, service prompt, and - most important - the quality of his work is excellent. To contact Steve, write (enclosing SASE) 97 Shaler Avenue, Fairview, NJ 07022. Steve does not sell equipment, but he has on hand, or knows how to obtain, most of the oddball tube-type receiver parts (e.g., the R-390 "ballast tube") that are hard to find.

Listeners NOTEBOOK

GLENN HAUSER
University Radio WUOT
Knoxville, TN 37916



M
A
Y
1
9
8
0

PROPER CREDIT Other publications and broadcasters may use material from LN provided due credit is rendered to the original reporter and the NASWA Listeners Notebook. This courtesy does not extend to closed organizations which do not allow reciprocal access to their publication. Our permission to carry BBC Monitoring Service items (designated 'WBI' for World Broadcasting Information) is pending. Such items are copyright and may not be further reproduced without BBCMS permission. All times, days and dates are day/month GMT u.o.s. All contributions to LN are gratefully received! Please enclose a SAP or SASE if you want a personal reply, which cannot be promised because of your editor's severe time constraints. Please do not ask me for advice on receivers and other equipment.

ENGLISH SCHEDULES ANTIGUA BBC 11775 noted at 1230-1300+ 13/4 so maybe they are running 1100-1330 instead of ridiculous 1100-1130 & 1300-1330 (Maxfield Greenwood, PA) So they are, always sked 1100-1330 but in fact for many months off the air 1130-1300 to save money. Once BBC's best freq during those hours in NAM, it now suffers from moderate QRM (gh)

AUSTRALIA (cf LN-1) Re R. Australia *0600 on 15145, since 23/3 at least it opens at *0630; it's the best of several parallel fqs, 15160 (which is on by 0600), 17725 (Hadley Cress, VA) The test to Europe 1800-2000 on 21630 has been so successful that it is to be continued and the test on 15200 discontinued (Noel Green, BBC World Radio Club 16/4; a Swedish reporter on SCDX 15/4) Audible here too, the poorly; unusual to hear RA at all during that time period. Unfortunately, RA had not registered this fq for J80, and RCI was planning to begin using it during exactly the same time period, 250 kW to Africa. I have advised RCI of the potential conflict and hope it has been resolved (gh)

AUSTRIA LN-12

CANADA Following one of the suggestions in my March POPULAR ELECTRONICS article, RCI is starting to carry 'Sunday Morning' from CBC Radio as of J80, so we shouldn't have to strain to hear it off the side of the NS beam. At 1300-1600 on 9580 to NAM; 1300-1400 to LAM on 17880; 1400-1600 switching to 17710, as announced on DX Digest 6/4. Judging from reception here of other broadcasts from Sackville (NS, BBC) during that time period, 9580 is likely to be absorbed and staticky, especially during the summer; 15 MHz band would have been better (gh) As usual during DST, an additional NAM broadcast appears at 0000-0030 on 9755 and 5960; J80 fqs for others: 0100 17820 9755 5960; 0200 11940 9655 5960; 0300 11940 11845 9655 9535 5960; 0400 11845 9655 9535 5960. The 'World @ 6' and 'As It Happens' relay Mon-Fri is now carried at 2100-2300 for Bu on 17875 15325, Daventry-6170; 2200-2400 NAM 9755 5960. Other EG broadcasts: 1545-1600 17820 15160, D-11935 D-9555; Sines-15325 S-11915. 1645-1700 17820 15325. 1800-1830 Af 21630 /see AUSTRALIA above/ 17820 (both 250 kW now) and 15260; same at 1900 to Af. 1900 to Bu 17875 15325, D-9555 D7130; 2000-2030 17875 17820 D-9555 D-7295. 2130-2200 Af 17820 15150 11945 (Sat & Sun also 17875 15325). Mon-Fri 0615-0630 & 0645-0700: Eu 1825 9760 6140 D-7155; ME D-17860 D-15440; Af 11960 9590 D-11775 (via Ian McFarland, RCI)

CHINA R. Peking, incredible signal in EG 1200, probably to NAM; blitzed Kampuchea-11938 (David Newkirk, Norridge IL, Apr NNRC) on 11945! Would replace 9820. more, LN-13

CUBA/USSR RHC via USSR since 2/3 on 17765 at 1700-1800; 9590 at 2200-2300. The Cuba changed to summer time 15/3, Voice of Cuba is continuing (despite anmts to contrary) at 0500-1100 on 600 kHz (WBI 27/3) Either or both may have changed now (gh) FINLAND 0330 11755 (Greenwood)

GERMANY EAST RBI anc'd 17/3 that as from 6/4 its xmsns to Af would be one hour earlier. This is the date summer time begins in the GDR. Other services may also be affected (WBI 20/3) On 8/4 RBI heard opening EG to NAM at 0000; also at 0130 on 9730 and 11975; 0230 on 11975 11890 and 5995 (James E. McDonald, Jr., Ardmore PA) You mean 5955? So they're all an hour earlier (gh) Same noted here. I am opposed to these summer time changes (John S. Sterling, Lancaster SC) So am I as with DST itself (gh) New EG NEAF 1515-1600 11977.5 (WBI 10/4)

GERMANY WEST DW anc'd 20/3 that on 1/4 it would extend the ENAM xmsn to 30 mins: *0120-0150* but the 0530 would not be extended at this time due to technical reasons. This is proof--even tho it took five years in this case--that cards and letters do have an impact on international broadcasters (Bob Shrader, Austin TX) Not as much as the retirement of a German-language chauvinist Intendant, which preceded this move by a few weeks (gh) 'If the new director general Conrad Ahlers has his way, much more could be in the offing for our North American listeners.' (DW 24/3 via Jay Novello, Endwell NY) Extension confirmed, same fqs (gh)

- ✓ GHANA GBC DS on new sked: GBC-1 in EG & verns on 3350 0530-0800(Sun 0900) & 1600-2300. On 4915 0530-0800 & 1200-2300 (Sun 0530-2300). 5990 at 1200-1600(Sun 0900-1600). GBC-2 in EG only on 3366 same times as 3350; 4980 as 4915; 7295 as 5990 (QTH Africa 20/3)
- ✓ GUAM KTWB at 1430-1500 is daily on 15365; Wed & Thu also on 11940, used on other days for Indian vernaculars (QTH Africa 30/3)
- ✓ HAITI 4VEH noted on Sun 30/3 in EG at 1930-2000* on 11835, also announcing 9770, 1595, 1035. This Sunday-only xmsn has been around for a long time, but I find it missing from WRTVHs back thru 1974 when I quit searching; I think it starts at 1700 (gh)
- ✓ HUNGARY R. Budapest announced a number of fq changes as of J80 for EG broadcasts, but for NAM the only one is 6000 instead of 6105, which won't matter much in the summer (gh) /more LN 13
- ✓ INDIA AIR noted 7/4 at 2105 on new 15110, respectable signal // 11620 (Richard Varron, NJ)
- ✓ ISRAEL Kol Israel J80: 1200-1230 NAM 17612.5 25640; As/ANZ/NAM via long path 15605; Eu on 21675 11620 17685 21495 21600. 2000-2030 Eu 11610 17815 21675 (the 3 best in NAM too) and 21495 21600; E&SAF 9009 17685; WAF 9815. 2230-2300 NAM 9815 11637.5 15582.5 21675-USB; Eu 21495 21600 17685; SAm 11637.5 15582.5 21710. 0000-0030 & 0100-0125 NAM 21710 15582.5 11637 9815. 0200-0225 15582.5(best in WNAM) 11637.5 9815. 0500-0515 NAM 15582 15105 11637; ANZ 21710; Eu 21675 21600 17685 15415. The full complement of fqs may not be used overnight due to labor problems (Larry Magne PA, 13/4) JAPAN/PORTUGAL LN-13 /more LN-13
- ✓ LEBANON 22/3 0230 R. Lebanon hrd to NAM on 11785, lots of QRM (James E. McDonald, Jr., PA)
- ✓ MEXICO R. Mexico Int'l, XERMX, besides SP, FR, GM and JP, now has EG at 2100, 0030, and on Sun 0400; at 2100 on 15430 only; other times also on 17765 11770 9705 5985 (Christian Hibbando, France, SCDX 1/4) Maybe, but a spot check didn't produce EG; note date of item (gh)
- ✓ MONACO TWR hrd at *0625 on 9495, announced as "9.5 MHz", 6/4 (Max Greenwood, PA) Check (gh).
- ✓ MONGOLIA Hope I did not rub anyone the wrong way over 12068 & 12070. Located log report from Ont DXer 6/78 also on 12068; worth checking in future for freq deviation (Syd Osterman, Ont) RUB *1220 25/2 on 12090 ex-12070; covered by Seoul co-channel at *1240 (Jim Baxter, Victoria, ADXN Apr) Cf Apr LN-3, since then again reported on 12070 (gh)
- ✓ MOZAMBIQUE (Cf Apr LN-8) Jamming of the ES in EG has stopped as abruptly as it started and reception now very good (QTH Africa 20/3) 4855 doing pretty well at 0400 most every night (Bill Smith, Reinbeck IA) NETHERLANDS ANTILLES LN-13
- ✓ NETHERLANDS RN J80 (M=Madagascar; B=Bonaire; others Lopik). 0700-0720 WAF/Eu 17605 15235 11720 5955. 0730-0825 NZ/Au B-9770 B-9715. 0830-0925 NZ/Au B-9715. 0930-1020 Eu 17605 11930 9895 5955 6045. 1330-1420 Eu 17605 11930 9895 6045 5955. 1430-1525 S&EAs M-21480 M-11735. 1830-1920 C&E&SAF 17605 M-15220 M-6020. 2030-2120 C&NAF B-21640 B-17695 L-17605 M-15220 M-9715. 0230-0325 ENAM B-9590 B-6165. 0530-0625 WNAM B-9715 B-6165 (RN 28/3)
- ✓ NEW ZEALAND An historic move for RNZ takes place GMT Mon 5/5 at 0530 when the SW service commences a fortnightly pgm dedicated to the U.S.! The 30-min show replaces the Sun 1015 GMT Mailbox and DX pgm; probably mean a little less very late listening to get us, and as we will be on 15345 and 17860 good reception should be possible. 'New Zealand Calling' will acknowledge reports, answer questions on NZ; segment on culture/history/music, and 5 mins of Arthur Cushen DX news. This timing and programming has been chosen to acknowledge the wealth of mail we get from NAM - and we want your support! Later we may encourage taped contributions, listener involvement at grassroots; may run competitions too. And new J80 fq sked: 15485 1800-2150; we want reports! Also 1800-2105 11835, 2115-0815 17860, 2200-0630 15345, 0640-1030 6105, 0830-1215 11945, 1045-1215 6105, effective 3/5 to 6/9 (Tony King, NZ) For reports on the 5 and 19 May programmes a special QSL card will be issued. Listeners on the air will be advised by airmail beforehand (RNZ)
- ✓ NIGERIA FRCN - Lagos on 4990 7275 0430-2305/2309, all in EG. Rest are EG + vernaculars: FRCN-Enugu 6025 4750 0430-2303. FRCN-Ibadan 6050 0430-2305. FRCN-Kaduna 6090 0428-2315. These are now the four zonal broadcasting centres of FRCN (WBI 3/80)
- ✓ SOUTH AFRICA R. RSA moved from 16m to 31 22/3 to NAM 0200 on 9715 (Larry Nebron, CA, and John Santoro, Jr., Oceanside LINY) Recommended by George Poppin, CA (Pieter Martins, R. RSA) Replaces both 17770 and 15265; will this continue in J80? If so, conflict in store with WYFR which planned to resume 9715 in EG at 0100-0500; I've told them about it (gh)
- ✓ SWAZILAND TWR 0430-0630 changed 7290 to 7195 //5055 (QTH-Africa 30/3) I noted this as 7175 per Richard Ginbey, RNDXJB 10/4, but he goes so damn fast I can't be sure it's right (gh) Swazi Commercial Radio on 3223 M-F 0200-0400, 6155 0400(Sun 0500)-2000, 4980 2000-2030(Fri/Sun 2200, Sat 2300) (Richard Ginbey, ibid.) Changed again, 0430-0630 7175 EG TWR (QTH AF)
- ✓ SWEDEN R. Sweden J80 changes: 0230-0300 15290 //11705 NAM. 1230-1300 21635 EAs. 1700-1730 15355 SAs/ME. 2300-2330 15380 NAM (Tage Ullman, STA, SCDX 1/4) I hope they have a very good reason for moving off 15275; during summer jamming on 15380 might extend past 2300 and Belgian blockbuster +5 (gh) /more, LN-13
- ✓ SWITZERLAND Due to DST elsewhere as of 6/4 SRI retimed omni 1100-1130 EG to 1200 on 3985 6165 9535; the Af beam at 1100 however does not change, on 15400 17795 21520 21630 (SRI 5/4, Robert L. Hoffmann II, NY, SCDX 15/4) That puts the pgm not at the same local time, but 2h later in DST areas! This was done so German could swap and stay at same local time (gh)

- ✓ **TAIWAN** New BCC sked for M80: ANZ 0100-0200 & 0300-0350 & 2140-2240 on 17890. Nam 0100-0200 11825 15345; 0300-0350 11825 15270 15345; 2140-2240 9685 11825 15270. Af/ME/WEu 2130-2230 on 9610 9765 11860 15225 17720 (Robert Chester, SA, R. Australia Japanese DX Time 6/4)
- ✓ **TANZANIA** ES sked now 0330-0430* on 5985 6105; 1530-1945 on 6105 15435 (R. Ginbey, DXJB 10/4)
- ✓ **TURKEY** Heard VOT announce new 15250 at close of 2200-2300 xmsn 5/4, and found it audible there under VOA; probably to ANZ (gh) more, LN-13
- ✓ **UNITED NATIONS** UN Radio to SEu 0630-0700 in 5 langs concluding with EG announces '41 & 25' meter bands, but hrd on 9680 11770 (Noel Green, BBC World Radio Club 16/4)
- ✓ **U S A** AFRTS 0900-1100 to Azores on new 9530 ex-9660 (Bob Padula, ADXN Apr) As usual, AFRTS waiting until last minute to release its J80 sked (gh) We regret QRMing Sweden Sundays at 1400 on 21615, but for J80, S80 and perhaps beyond, we plan to replace it with 21525 (Thomas A. Schaff, WYFR, May REVIEW OF INTERNATIONAL BROADCASTING) Entire J80 WYFR sked: Eu/Af Sun 1230-1551 21525 17785. Rest daily: 1700-2000 17845 21615, 2000-2300 17845 21615 21525, 2300-2400 21525. Ams 0100-0500 9715 (WYFR) VATICAN LN-13

✓ **MISCELÁNEA RADIAL** (Incorporating OTHER SCHEDULES, previously in a separate list. Reaction from readers on whether this simplifies or complicates matters is welcomed; or should we also mix in ENGLISH, FUTURE PLANS, PROGRAMS and DX PROGRAMS into one master alphabetical list each month, perhaps with marginal clues? gh)

- ✓ **ANTARCTICA** LRA-36 apparently returned to 6029 29/3, carrier noted at 2355 that date; detectable regularly since; Soviet QRM has made readability difficult but signal strength improved by 11/4 (C. M. Stanbury II, Ridgeway, Ont., Apr SWNS) USSR / AFGHANISTAN LN-12
- ✓ **CANADA** RCI sends out 21,805 program schedules; and gets 11,000 letters in English from North America each year (RCI Mailbag 19/3) It costs about \$100 an hour to run a 250 kW transmitter. This includes staff and building costs (RCI Mailbag 6/4) LN-12 BOLIVIA & BRASIL LN-13
- ✓ **CHAD** CNR SW xmsns (on 7120 4904) not hrd since 21/3; unknown if MW off too. AFP reported 22/3 that the stn had gone off due to current fighting (WBI 3/4)
- ✓ **CHINA** PLA-2 now using 9507 ex-8195, monitored 0400-1329 (Takumi Yamasaki, Japan via ABI and Atsunori Ishida, Japan via NDXC via ADXN Apr) Full monitored sked for PIA-2 is: 9587 /sic/ 0400-1329. 7280 0400-1427. 7025 0400-1459. 6400 0400-1523. 6000 0400-1524. 5770 0400-0959. 5170 0400-1659. 4840 0400-1930. 4380 0400-1929. 3900 1459-1929. 4130 1000-2100. 3400 1331-2100. 3200 1428-2100. 2600 1524-2100. 2430 1700-2100 (Takumi Yamasaki, ibid.).
FFBS-2 on new 5508 1430-1530 // sked fqs except 5770 which is quiet. 6/3 0915 5770 was on while 5508 was not, indicating a switchover must take place at or after local sunset. A new outlet of the Nei Mengu PBS hrd on 7106, // 3970 4000; during Feb 7300 parallel too but unhrd since (Bob Hill, CA, SCDX 1/4) FFBS-1 2nd harmonic of 2340 hrd on 4680 several times since Feb 14, weak to fair (Robert Hill, UADX) Not Fujian Front stn but Fujian PBS I (Gerhard Werdin, UADX ed.) Neimenggu PBS latest sked: Chinese 2145-0555 & 0900-1520 on 3970 4000 7105 7300; Mongolian 2130-0600 & 0900-1525 4010 5980 6974 9522; from Hohhot. Hulun Boir uses 4750 for Chinese 2120-2400 & 0355-0600 & 0925-1500 with EG lessons 1000-1030 & 2130-2200. QRMs Xizang co-channel (Tetsuya Kondo, via Asian Broadcasting Institute, via April ADXN) more LN-13
- ✓ **COLOMBIA** Studio-transmitter link of AM station R. Andageya, Bueraventura, hrd 17/11 at 1430 on 45700 using a scanner (Rich Turcsany, Shelton CT, Jan VHF-UHF Digest) Interesting broadcast type signals await us above 30 MHz. This is actually R. Andageya, Buenaventura, HJIS-1340, 24h per WRVH (gh)

- ✓ **CUBA** For the first time on 29/3, R. Moscow mentioned in a DX pgm for Nam that RMWS and RM Nam svc were beaming 'via Cuba' on 600 kHz 0400-0500, 1100-1400 & 2000-0400. Said RM had already received a 'good deal of response' from listeners in FL, MA, GA, PA and that listeners could pick up RM 'even on their car radios' (gh; WBI 3/4)
- ✓ **CHILE** 9/4-10/4 2305-0100 hrd R. Nacional, 15150 relay DS as 'Emisora Metropolitana de Nacional de Chile, 114 en el país, la que más llega...'. Then TC, regular Voz de Chile chimes but with localized pgms including ads, mx, frequent anti-Marxist commentaries. Nx that all stns in the 'red nacional' were announced as carrying. Certainly much more interesting and lively programming (David Woodward, Washington DC)
- ✓ **DENMARK** New sked for R. Denmark since summer time began 6/4: 0900-0955 SWEu/Medit, 1000-1050 Greenland/Pac, 1100-1155 FE/Au, 1200-1255 SAs/Persian Gulf, 1300-1355 ENAM/Greenland, 1630-1730 Greenland/Pac, 1800-1855 USA/Canada/Greenland, 1900-1955 EMedit/EAF, 2000-2055 Eu/Medit/WAF, 2100-2155 USA/Can/Greenland, 2200-2255 SAM/WAF, 2300-2355 WNAM/Greenland -- all on 15165 (Erik Kóie, Denmark, SCDX 1/4) EQUATORIAL GUINEA 13
- ✓ **ECUADOR** HCJB 26020 coming in much better recently, due to new antenna; in well as late as 0430; also steadier, not so many deep fades; best fq for their Eu broadcast here (Scott McClellan, Battle Creek MI, 25/3) Still hrd around 0700; power could be increased to 1000 watts later (Arthur Cushen, NZ) I point out that in both cases, path is complete darkness (gh)
- ✓ **ESTONIA** ES from Tallinn obs on 6085: Sun 0800-0900 Finnish, 0900-0930 Swedish. Mon-Sat 0915-1000 Finnish, 1000-1100 Finnish/Estonian, 1600-1630 Finnish. Daily 2105-2135 Swedish, 2135-2205 Estonian. Sun morn pgms are followed at 0930 by pop mx, Estonian amts (WBI 20/3)

- FALKLAND ISLANDS** FIBS noted 29/1 at 0052 tune in, ballads and local male DJ, 0057 BBC financial nx, 0106 News About Britain, 0112 Radio Newsreel; local anmts by very softly-spoken ancr at 0126, then off with 40-sec burst of GSTQ. Weak/poor but copyable. In all the reports of reception nobody seems to have realized that the signal is full carrier upper side-band only. LSB suppressed with no modulation; maybe why so many DXers have said 'difficult to copy' (Gordon Darling, Reading UK, WDXC Contact) presumably 2370 (gh) Info has reached us that there might be a person transmitting on 2370 with same type of pgms as FIBS. The pirate stn broadcasts BBC material and has 'IDs' which imitate the FIBS, e.g. 'This is the F(garbled) Islands Broadcasting Service'. It apparently operates the same times as FIBS is scheduled. Supposed to be in Connecticut (Chris Hansen, SPEEDX, via WDXC Contact) Good thing the real FIBS is allegedly very strict about details in reports before QSLing (gh)
- FRANCE** RFI Chaîne Sud hrd on 25740 // 28820 /sic/ and 25900 at 0945; not ment'd in fq anmts (Andrea Sella, Kenya, SCDX 18/3) Checked here around 1400 but unhrd; must be mixing product of 25820 and 25900 (80 khz apart), and signals even stronger in Kenya than here (gh)
- GABON** Africa Number One tests hrd on 21640 17830 19/3 and 22/3, both continuous mx without anmts, ending at apx 1000 (WBI 27/3)
- GREECE** LN-13
- GUATEMALA** At presstime, AWR, Union Radio, TGMJA, had adjusted fq to slightly above 5980 and had a stronger signal. Original power of 2.5 kW was to be increased in steps to 5 kW; 10 kW by end of April; and 100 kW by yearend or early 1981. The harmonic was still audible, but greatly reduced, on 17941. Schedule had been changed to 0130-0330 Spanish, 0330-0500+ English. For some time it was on about 5978.5 and 17935, suffering heavy QRM from BBC. The nightly 'DX program' moved from 0230 to 0430 and was then dropped, or weeklyized and yet unlocated. After the first test on '5980' instead of '6090', the station was off the air for a week during which the output network was changed, 'eliminating' the harmonics. Programming consists of the usual Adventist fare, 'Your Story Hour', 'Voice of Prophecy', 'The Quiet Hour', etc., which can be heard on domestic stations if one likes that sort of thing. Why strain thru the QRM to hear them from Guatemala? So far, AWR has shown no interest in telling the world about Guatemala--no news at all and nothing but snatches of marimba music for Guatemalan culture. Like so many other evangelical stations, the host country is merely a convenient site to transmit from. Perhaps post-revolutionary Guatemala will follow the Ethiopian example (gh) 5978.7 (Paul Routenburg, 15/4) Measured 5979.7 18/4 (Ruth Vollrath, MO)
- HONG KONG** R. TV Hong Kong hrd on 3943 w/special broadcast 31/3 consisting of ID announcing 3940, from 1108, then weather 1110-1115*. Next broadcast was to be at 0000 following day. Temporary reactivation after many years. Lucky to catch this one! (David Foster, Australia, Down Under DX Survey) RTVHK hrd in EG 1055-1115 on 3943, announced as '3940' (Aoka, Japan, SCDX 15/4) Watch out for Japan and Vamaatu on 3945 (gh) HK hrd 12/4 *1100-1115* 3942½
- (Bob Hill, CA)
- HUNGARY** R. Budapest on 15020, 2242-0027 29/3 only, SP to Lam 2300, fair, suspect spur or freq error; could not find on 15220, just a mess there; 30/3 not hrd on either fq (Syd Osterman, Ont.) Also hrd here 29/3 into 30/3 as late as 0241; likely slipped a digit when punching up 15220; 15020 was quite an improvement, free of QRM (gh)
- INDIA** LN-13
- ICELAND** IFRB Circular #1409 shows from May 4, Reykjavik 10 kW at 1800-2000, antenna beam heading 147°, gain 8 dB, AM mode, to all of Eu except Iberia and USSR, on 11855. Also from same date, same times, 10 kW on 15420 147° 11 dB, same targets. Given different gains, it could be two separate xmtrs (i.e. two fqs in use at same time), or one configuration that will be on one, but not both; but with antenna gain being higher on 15 MHz than on 11 (a common situation with certain antenna designs). May 4 is start of summer season, the first time I am aware of Iceland making a registration, but this does not necessarily mean that the operation will start that day; it could be earlier, later, or never. Unfortunately, WYFR and others are asked to use 11855 during that period, but 15420 should be more hopeful if you have a selective receiver (the sidebands will be noisy, but per registrations BBC leaves 15420 at 1830 and Pakistan is there afterwards, to E&SAF, which should be acceptable (Larry Magne, PA)
- INDONESIA** Of Apr LN-8, LN-9, LR-C-1 6208. My log of 6207 stn 30/2 shows very poor 1053-1206 with slow chants by woman or child with drums double beat; pipe or flute mx; man talking including 'kilometer', then talk with mx breaks; light mx in western orch. style. I could not ID the lang in the noise, but the EG vocal does not suggest Pakistan to me. Nor were the other western items typical of Pakistan. However, I can't find much to pin on the reported Indo either! (Syd Osterman, Ont.) RRI Biak on 6208, 23/1 1130 ID // 3397 (Robert Yeo, ADXN via IDXR) RRI Biak, hrd daily on 6207.5, nice Indo mx, some US C&W; mx (?) at 1150, many mentions of Biak; best Indo modulation I've ever heard--even better than Ujung Pandang (Dan Henderson, MD, via IDXR) RRI Jayapura, regional pgm on 6207 anc'd as 6250; no Jakarta nx (Atsunori Ishida, IDXR 18/3) RRI Biak certainly hrd on 6207 around 1000, very poor. Tape made in early March said RRI Jayapura was using this channel; Biak relayed Jayapura to test? or two stations here? (Ishida, IDXR) R. Institut Teknologi, Bandung, good level on 6012 at the early time of 0930. Had hoped for other things on the channel 10/3 (Mike Willis, Vic., ADXN) Getting back to 6207, 1100 would be a bit early for Pakistan.... (gh)
- IRAN** VOIRI has made further adjustments to its Persian pgms 'Familiar Voice' ES now 1930-2230 on 15084 9022 (including 1930-2030 relay DS mx). This 3-hour period then repeated 2230-0130 on 15084 9720 9022; first xmsn believed to Eu/NAF; 2nd also for NAM (WBI 3/4) 0130-0530 DS continues on 15084 9022 7215; 0530-0930 15260 15084 7215; 0930-1200 15260 15084 11745 7215,

1200-1430 15260 15084, 1430-1530 15260 15084 7230, 1530-1630 15084 9770 9022 7230, 1630-1730 15084, 1730-1930 15084 9770. The ES (as timed during DST period until end of Sept): 0430-0930 Arabic 11745, 1215-1315 Urdu & 1315-1415 Pashto, 7230, 1415-1515 Russian 9770, 1530-1630 Turkish 9770 9022. 1730-2030 Arabic 7230. 1730-1800 GM, 1800-1830 FR, 1830-1930 EG all on 9022 (WBI 3/80) 8/4 noted on 9033 at 0205; 1055 on 15093, instead of 9022 and 15084. On 29/3 at 2103 I heard what sounded like a Farsi speaking tape running backwards until 2105 when their IS was heard (Richard Varron, Wayne NJ)

IRAQ LN-13

ISRAEL IBA Hebrew Home Service for J80: 0400(Sat 0500)-0610 15200 full power Nam/WEu; also 17630 17875; 11655 for Eu. 0615-1355 Nam/WEu 25605 17630; Eu 15585 11655. 1355-1655 Nam/WEu 17630 11655. 1655-1800 17630, 1800-1955 17630 Nam/WEu, 21760 (ex-15615); WEu 15585; Eu on 11610. 2000-2155 WEu/Nam 11655; also 21760 17630 15585. 2155-2310 21760 17630 11655. For J80 27790 is sked 1400-1525 & 1630-1740; weekends also at 0535-0600 & 1000-1030. 21710 is a major new fq, used for external services 0000-0125, 0500-0530, 1400-1525, 1630-1955, 2100-2325. Besides being broadcast to Iran, IBA's Persian program at 1530-1625 is also to Nam on 21675; Eu 17875 17685 15105 (Larry Magne, PA) KY on 23310 2 x 11655, fair 2035 (Vranes)

LAOS (cf VIETNAM Feb LN-4) 5089 unID is Xieng Khouang Province National Radio, now obs 1100-1330+ in Lao and Lao Sung (two varieties), ex 4757 and 6675 (Isao Ugusa, DX Front Line 30/3) Pakse re-appeared on new 6634 *1000-1400* ex-6600, first hrd 7/3 (Bob Hill, CA; Takumi Yamazaki, Akita; Isao Ugusa, Kobe, DX Front Line)

KOREA NORTH LN-13 KAMPUCHEA LN-13

LIBERIA Because of the coup, ELWA was on the air all-night GMT 13/4 on 4770, heard at 0200 broadcasting a proclamation from the People's Redemption Council (Peter Schipellitti, MA; Cliff Brown, IL and Mike Bolitho, Ont.) The lengthy complete text, as best it could be copied, will appear in the June REVIEW OF INTERNATIONAL BROADCASTING (gh) ELWA M80 sked & tentative J80, best bets for reception here: 4770 (10 kW non-dir) 0555-0900(Sun 0655-0700) & 1656-2300 (Sun 2240). 9550 50 kW WAF 1205-1320(1350 weekends). 11830 50 kW W&CAF 0600-0820 Sats & 0600-0935 Suns. 11835 50 kW NAF 2005-2120. 11930 0615-0728 50 kW NAF (Charles Kristan, PA)

MALAYSIA I think that 500 kW is on; never hrd VOM on 15295 despite frequent tries until one night, good steady signal 0905 tune in to 1001*; positive ID in presumed Malay (Maxfield Greenwood, Devon PA, undated report sometime in mid-April)

MALDIVE ISLANDS Voice of Maldives sked is now known to be: 4754 7½ kW 0030-0330(Fri 0500) and 1200-1730. 9550 1 kW 0800(Eri 0700)-0930. Both outlets in parallel; no separate commercial service now in the Asian eve; 4754 is correct, but 9550 obs on 9552 (Adrian Peterson, Radio Monitors International, Poona, India, undated)

MONGOLIA On back of EG pgm sked received in Feb with QSL card and pennant was this note: 'Our English programme is transmitted from Khonkhoryn stanc place near Ulan Bator /35 km/ through transmitters /250 Kwtt/ which was puts into operation this autumn.' (Alex Vranes, Jr, Beaver PA)

NETHERLANDS ANTILLES LN-13

MOROCCO RTVM hrd on 19080 at 2050 31/3, fair, 2 x 9540, also fair, //21730=excellent (Vranes)

MOZAMBIQUE 15465 used for PT pgm, first hrd 29/2 0800-1230+, //11812 after latter concludes EG at 1130 (Andrea Sella, Kenya, WDXC ENS) 15413 at 0700 (Richard Gimbey, RSA, DXJB 10/4) There was another report I've misplaced of many other 19mb fq's, 15295 out of whack (gh)

NICARAGUA Since 15/3, VON ES hrd on 11838 only tho amnts ment'd 5920 (actually 5950), in SP 0000-0045, repeated 0045-0130 (WBI 3/4) VON anc'd that from 24/3 all stns would form a national net 1100-1200 & 2300-2400 daily to broadcast a special literacy campaign pgm (WBI 20/)

NIGERIA R. Kwara, 7145, hrd 10/4 with best signal ever, for once no RFE or Poland QRM, and very little from hams on CW which usually clobbers it. *0429 drum beats, 0433 s/on with ID, vocal anthem, Koranic chanting; 0500 EG local mx, mx mix including disco; dozed off at 0555; plenty of IDs as 'R. Kwara' and 'Kwara State Broadcasting Corp.' (Alex Vranes, PA) LN 13

PAKISTAN Regionals have taken to the out of band regions. Rawalpindi 7335 1144-1445; listed 5010 inaudible. Islamabad 7095 1300-1600, 7375 1145-1400, 7135 1430-1800*. Listed Quetta 6208 is good (watch the Indo here) 1100-1345; however, recent improvements in reception make me doubt the location of this. Karachi 11672 1330-1600; 11640 also hrd same time. Peshawar listed 5750 surely not using this channel 1430-1800 (Mike Willis, Australia, DUDXS)

PORTUGAL Religious stn Vox Fidei, via Sines, hrd in GM 9665 0740-0830 Sat only; ID in GM is 'Stimme des Glaubens' (Voice of Faith); QSLs with large card when reported to Vox Fidei, CH-8040 Zurich, Switzerland (Robert Chester, Cheltenham SA, RA Japanese DX 6/4) Rdif. Portuguese, fair on 18075 at 2105, fair in French, 3 x not heard 6025 31/3 (Alex Vranes, PA)

RHODESIA Since 28/3 pgms from Salisbury have Ided as 'Zimbabwe Broadcasting Corp.', ZBC, dropping the 'Rhodesia' (WBI 3/4) This should be the last entry under R; see also Z (gh)

RWANDA DW Kigali hrd in GM on 24640 at 2025 31/3, fair-good, 4 x not hrd 6160 (Vranes, PA)

SAUDI ARABIA BSKSA Jiddah 15060 noted 0600-0600 7/4 in Turkish, first time this fq noted in a lang other than AR. Many IDs as 'Burasi Saudi Arabistan Jiddah Radyosu'. Attractive pgm featuring bird calls. Voice of Islam 15315 noted 0350-0400 7/4 w/Qu'ran reading followed by modern western mx, AR ID as 'Saut ul Islam' and Beirut address 0400 and into classical mx. Appeared to be in Lebanese rather than Saudi AR; reminiscent of HCJB and other evangelical stns with block pgms, transcribed, simple lang, slow, clear addr dictation, etc (R. Wood)

- ✓ **SIERRA LEONE** Never thought I'd hear SLBS, but powerful nightly on 5980 0600-0800 fadeout, African singing, English IDs, items in vernacular about income tax; 0655 national nx, 0700 BBC news, then to 0730 local bulletin board, 0730 vernacs again (Joe Tangredi, NV, May RTB)
- ✓ **SOLOMONS** Surprised to hear 9545 0715 9/4 at good level way over DW; pidgin amnt, 'Linda Wrongsted', carrier cut at 0727 in mid-mx, not back by 0740; no ID but follows usual format; only doubt I have is the surprisingly strong signal level. (Syd Osterman, Ont. **SOMALI LN-13**)
- ✓ **SOUTH AFRICA** On 31/3 R. RSA reported the retirement after 20 years of service of the SABC Chairman of the Board, Dr. P.J. Meyer. The report said under his chairmanship the SABC had increased from 350 to over 2300 hours per week. Also, services in the langs of the country's various communities were introduced as well as the VHF/FM net, TV, and R. RSA (the external service). An 18/3 report from R. RSA said it had received more than 70,000 letters from all parts of the world during 1979. More than half were from African countries (WBI 3/4)
- ✓ **TAIWAN** Hsinchu Broadcasting Stn uses 3125, call BED-59, in Amoy, 2050-1800, dual MW 1017 (BED-52). Carries 2nd pgm; ID is 'Tionggok kongpo kongsi Sin-teh konhpo tiaintai' (Hitsu Yamada via ABI, via Apr ADXN) On 3215 (R. Australia Japanese DX 29/3, from same source)
- ✓ **TRANSKEI** Capital Radio still using 7160 days GMT, and planned move to 31mb did not materialize. MW 500 kW xmtr on 603 still not matched properly to aerial and is running reduced power. No signal hrd on 3950 after 7160 goes off nor has any other fq been traced (QTH Africa 30/3) They plan to extend schedule to 0100* shortly (Richard Gineby, RSA, DXJB 10/4) **LN-13**
- ✓ **U A E** Tests from UAE Radio in Dubai on 21500 to Eu 0600-1000 appear to have ended 12/3 (WBI 20/3) Further tests obs on 21470 20/3, 22/3, 24/3, 26/3--relay DS in Ar 0600-1000 apx, 26/3 to 1100. No xmsns hrd 21/3, 25/3, but on 23/3 21470 hrd 1150 with test amnts in EG for Eu & NAM, to 1230*, and similar xmsn 1330-1352 (WBI 27/3) 29/3 and 30/3 continued testing on 21470; 1/4 on 21500, 2/4 back to 21470, generally 0600-1000 (WBI 3/4) Tests from 300 kW xmtr obs 2300-2430 on 21500 in AR; various sources also report 21500 at 0140-0340, 0600-1000, sometimes with EG amnt (QTH Africa 20/3) Cf Apr LN-9, my logging was on 16/3, not 15/3. QSE received 11/4 signed by Harold Robin; 'tx was 300 kW into 4x4 antenna' (Jim Uehrlings, Klamath Falls OR) Is that supposed to mean an Israeli antenna? Also caught here on 21485 6/4 0600 AR, woke at 0649 to hear EG amnt testing to Eu & NAM, closing 0700 and going into AR DS relay; they cut the fq out of the announce tapes because it probably said 21500 or 21470 not 21485. Very powerful signal rivaling Switz 500 kW on 21520 (gh) **more, LN-13**
- Dubai has registered its 300 kW xmtrs as follows for J80; this does not necessarily mean they will begin this extensive schedule promptly on May 4! 9505 ENAM 0300-0430 (18 dB, 325°) 9565 India 0030-0230. 9570 India/SEAs/Au 2030-2230. 9590 India/SEAs/Au 2200-2430. 9640 Saudi 0400-1300. 11730 Naf/Saudi 1600-1800. 11730 India/SEAs/Au 2030-2430. 11755 ENAM 0030-0230. 11965 Eaf 1800-2030. 15125 Naf/Saudi 0430-0600. 15165 India/SEAs/Au 2230-2430. 15435 Naf/Saudi 0930-1600. 15435 WEu/EEu/Saudi 1830-2030. 15435 India/SEAs/Au 2230-2430. 17110 Naf/Saudi 0430-0930. 21500 WEu/EEu/Saudi 0600-1030. 21570 EEu/WEu/Saudi 1030-1300. 21655 EEu/WEu/Saudi 1300-1800 (via Larry Magne, PA)
- Abu Dhabi notified ITU it intends to use these fqs: 9695 0900-2100. 15110 1830-2030. 15115 0430-0900. 17110 0430-1600. 17790 1630-1830 (Manfred-Rainer Reiff, W. Germany, SCDX)
- ✓ **UKOGBANI** Harmonics hrd here 2/4: 24460 1957 BBC Hungarian, 2000 Russian, fair, 4 x unhrd 6115. 24190 BBCWS 2010 poor, 2 x good 12095. 23860 VOA Woolferton, 2030 going from Bulgarian to Serbo-Croat, 4 x not hrd 5965. 23500 BBCWS 2050 fair, 2 x 11750 good. 19830 BBC Italian 2105 fair to good, 3 x excellent 9915. 24500 BBC Hungarian 2145, fair, 4 x not hrd 6125 (Alex Vranes, Beaver PA)
- ✓ **U S A** DXers of flea-power stations have a new airport terminal parking info station to look for on 1610 kHz--WYZ-35, 5 watts, 24 hours a day at Tampa International Airport, Florida (Rusty Serenberg, St. Pete Beach) Stn WYZ broadcasts one of five 7-second parking messages within a 5-mile radius, on the air since Jan, says airport spokesman Paul T. MacAlester (Johanne L. Roberts, St. Petersburg Times 12/3 via Serenberg) Can anyone ID the airport hrd at 0910 14/4 on 1610? This came out of nowhere and then was gone: "...the...parking area: you can now use the auxiliary parking lot...located to the right of terminal Y /I?/ to the left of international security...additional parking in parking..." (Max Greenwood, PA) Well, we know about Cincinnati, Annapolis and Tampa; no doubt there are others)
- ✓ **U S S R** Harmonics hrd 31/3: 24020 RMWS 2015 fair, 2 x 12010 excellent. 23740 RMWS 2030 fair, 2 x 11870 exc // 24020. 2/4 24140 RMWS to Af 2005 fair, 2 x 12070 fair-good (Vranes, PA) - Special news bulletins for western sector of Arctic and Antarctica are at 1530-1600 Mon & Thu on 9615 and 9490. TASS dictation speed broadcasts for domestic local newspapers are at 0700-0900 Mon-Fri on 9850 9730 7420 7340 6770 5780 (WBI 3/80) **more, LN-13**
- Since 2/3, R. Havana via USSR on this sked: 1500-1600 AR, 1600-1700 FR, 1700-1800 EG all on 17765. 1800-2000 SP & 2000-2100 PT both on 17765 & 15385. 2100-2200 FR 11755 9590. 2200-2300 EG 9490, last two to Eu, rest to Mediterranean & Africa (WBI 27/3) Unbrided now?
- ✓ **VANUAATU** R. Vanuaatu is now being used as the slogan for the former R. New Hebrides; 7260 in EG 0830, FR 0845. The country is not expected to change its name until May 1 (Arthur Cuihen's DX World 6/4) 7260 23/3 later than usual 1002-1004*, hrd 1019-1028*, variable sked? Fair when hams off (Syd Osterman, Ont.) 1/4 on 7260 0910-1027 when buried by ham, mostly French or unk. lang, no ID but I'm 100% sure by deduction; exceptional Pac. 'nite (Greenwood)

- VATICAN** In a 25/3 report the Italian news agency ANSA said VR listenership is rising in EEU and China. VR head says 30-40 letters per month came from China in the past year; when Mao Zedong was in power, none were received. Last year VR received 50,000 letters from around the world, including 5000 from USSR, 7000 from Poland, 2000 NAM, 400 China. In first quarter of 1980, a strong increase, leading to a 1980 projection of 70,000, chiefly from As/EEU. He said VR had a budget 20 times lower than the BBC and a staff of only 300 (WBI 3/4)
- VIETNAM** Lai Chau BS now obs on 5921 ex-6006, *1140-1330*, opens with 'Song of Partisan'. (Isao Ugusa, Japan, DX Front Line) //4686 (Yamazaki, DXFL) Gia Lai-Kon Tum B.S. ex-4685v to 4715 where first noted 12/3, 1015-1215 with Hanoi relay 1100-1145. Bac Thai B.S. 6898, varied as high as 6904 by mid-Mar; then moved to 6995 15/3, where fighting with VODK 6995 and tentative Luang Prabang Laos 6997 at 1200-1300!; but since 17/3, back to 6900v, almost stable there, *1200-1400*. Cao Bang since 27/3 on 6540 *1200-1330* faintly heard under super-strong 6540 signal from R. Pyongyang Japanese service! (Isao Ugusa, DX Front Line 30/3)
- YUGOSLAVIA** (CF Apr LN-6) The 1000-1100 xmsn from R. Yugoslavia Suns only on 11735 9620 and 7340 /sic/ is prepared by R. Zagreb and entitled 'to our citizens in the World'. On 16/3 this was preceded 0900-0955 on same fqs by a similar pgm in Macedonian prepared by R. Skopje (WBI 20/3) KY has more such pgms, obs Sat 29/3 for workers temporarily employed abroad originating at: 0700 R. Novi Sad, 0800 R. Titograd, 0900 R. Ljubljana, 1000 R. Belgrade (a joint pgm with R. Novi Sad). Sun 30/3: 0700 R. Sarajevo, 0800 R. Pristina, 0900 R. Skopje, 1000 R. Zagreb; on 11735 9620 7240. Amnts say they are weekly (WBI 3/4)
- ZAIRE** R. Bukavu has returned to SW, notedn 4839 1730-1930v with FR nx 1805; tent. also on 4804 (P. Karaglanis, QTH Africa 20/3) Obs 23/3 1910* on 4839.5, to return at 0400 (WBI 27/3)
- ZAMBIA** R. Zambia hrd on new 4965, verns 2045 phone-in; some days on 4911 instead (Bob Padula in RA Japanese DX 29/3) ZBS frequently changing 60mb fq between 4911 and 4966, 0345-0530, 1400-2105 with HS. Sun ES now on both 11880 and 17895 0550-0715 & 1050-1215, sometimes in parallel (QTH Africa 20/3)

- FUTURE PLANS** **AUSTRIA** According to an extension project a turnable antenna (Drehstandantenne) and a special curtain array for North-, Middle- and South-America will be raised, and a 250/300 kW transmitter will be set in operation within 2 to 3 years (Jaschek, Sendernetzplanung, ORF, 4/3 letter to Ralf Munster, Decatur GA)
- CONGO** Per V. of the Congolese Revolution, the Minister of Info, Posts & Telecommunications received the Ambassador of China 18/3. He revealed that Chinese experts would be arriving in Brazzaville soon to put back into service seven 50-kw xmters 'which broke down two years ago'. VOCR is currently heard on 15190 (WBI 27/3) **BOLIVIA LN-12**
- MALAYSIA** R. Malaysia reported 22/3 that RTM was to be restructured soon. Minfo said equal emphasis would be given to both radio and TV. Radio should not be neglected in the effort to develop and expand TV Malaysia as there was a greater number of radio listeners. (WBI 27/3)
- NICARAGUA** In the incoming future, we will have an space program in english, so you and many thousand people all around the world, can hear and understand the nicaraguan revolution, that is made up for the majority people of our country. We remember you, that we transmit from 7:00 pm to one am EST on 11.84 MGH and 5.92 (Juan Maltes, Director Programación Internacional, La Voz de Nicaragua, 24/3 via William Krause, Anoka MN) **NIGERIA; NETHERLANDS LN-13**
- PAPUA NEW GUINEA** Since 1952, the ABC (now NBC) Port Moresby xmters have been 4 km NW of the present Boroko studio, at a former wartime airstrip called Ward's Strip. This area, now called Waigani, is where many govt bldgs are being built, incl the new National Parliament House. It will soon be necessary for the xmt site to be closed down. Plans are now being made for the transfer of the three 10 kW STC SW xmters (National Service) to Lae, where 100 kW MW xmters will also be installed. Lae will become the central station, feeding programs to all of the provincial stations. The Port Moresby MW outlet and, presumably, also the 2 kW Radio Central (3290) will be located 6 km SE of Boroko, at Dogura Inlet (originally called Bootless Inlet). There could be some interruption to services during the change-overs (Robert Jones & Andrew Elwell, Apr Australian DX News)
- U S A** During the Spring-Summer season we expect the fifth xmt, a 50 kW Gates, to be on the air, beamed to northern Mexico from a log-periodic antenna manufactured by TCI. This xmt will also be used to provide a broadcast service to West Africa on a new double rhomboid antenna planned for completion during the Spring-Summer season. The FCC has also granted a CP to WYFR for installation of a sixth xmt into a new LP antenna for eastern Canada, a 50 kW Continental. Other permits have been granted to construct: (1) a second LP antenna to NW Mexico; (2) a third LP antenna to Cam/Mex; and (3) a LP antenna to improve xmsns to Cuba and the near Caribbean area. Work is proceeding as rapidly as available resources permit (WYFR)
- VENDA** The previously reported R. Thoho-ya-Ndou external service is, they say, a long-term project. It is probably years off (Richard Ginbey, RSA, RN DXJB 10/4) 50 watts on FM now **ZANZIBAR LN-13**
- UNIDENTIFIED** 10108 Arabic, from before 1900 past 0100, still 0400, 0600; not // Saudi Iran Egypt Libya or Jordan fqs; time pips on hour; general Arabic pgm, tho some Koran 0410. Algeria? (Alex Vranes Jr, Beaver PA, 11/4) Likely; unhrd. 15285 unID hrd weakly from 1250 on (Max Greenwood, PA) Could be South Africa domestic svc.

CLANDESTINE CRANNY

Cubans (Cf Mar LN-8/9, Apr LN-15) For reasons too lengthy to go into here, NNRG 'Alternative Radio' editor John Santosuosso believes that the FCC did not really bust any anti-Castro clandestine in Miami Feb. 7, that the 'bust' reported in the press was a fabrication to mollify hams who had been complaining about the Cubans' QRM; that the US govt actually wants to condone the clands since they oppose Castro. True, the station busted, R. Giron, has not been heard since, but then, it had never been heard before either! Meanwhile, the others are still on the air (gh) Various stns noted alive with much activity, perhaps due to excitement here over the Peruvian embassy affair in Habana. R. Libertad Cubana, 7085a, was on 7/4 at *0103-0126* with usual Comandante David stuff, very strong AM signal; before and after he talked to several hams on SSB; no IDs hrd. At 0212 I caught a man screaming on 7360, "hermanos, hermanos, libre, libre, libre, por Cuba en el /sic/ última hora!". Then marching mx with the words 'libertad y verdad' several times in each verse. Sounded very amateurish with horrible distortion at times; other times it was crisp and clear. ID at 0326 by woman just as 'Radio Libertad' with mention of fq and mb, off and on irregularly till past 0415. The following evening, still 7/4 GMT at 2301 on 7085a, several hams discussing Castro in Spanish when a trumpet IS blotted them out; martial mx followed, ID too fast to copy but seemed like 'Radio ---ación'. Then a 5-minute version, with Spanish vocals, of R. Tirana's s/off song (arise ye prisoners of starvation, arise ye workers of the world etc.) /that's The Internationale -- gh/ and s/off 2308; back 2311-2315 with talk and song but much weaker signal. Maybe pro-Castro factions getting into the picture? Anyway, both 7360 and 7085 are fqs to keep an eye on (Steven H. Reinstein, Miramar FL) I noted Comandante David 5/4 0510 on 7001, considerably weaker signal strength compared with before FCC bust. Same slogan: "Dios está con nosotros; nosotros estamos con Dios--les habló el comandante David." (David Woodward, Washington DC)

Spy Numbers At 0558 22/3 I hrd what I first thought was a spur from R. Habana Cuba on 7884, with fuzzy audio. They were nearing the end of their EG pgm when on came a female who said several times "Atención: 581 20", and then 5-digit numbers in Spanish. Per a Harry Helms article in the March-April Elementary Electronics, 'DXing International Intrigue', this was noted in 1975 by several listeners. Similar number xmsns without RHC audio I hrd 31/3 0515 on 7522 ("Atención 926 68") and at 0622 31/3 on 7884 ("Atención 178 32") Question: do you know of any instances of an RHC xmsn with numbers audio in the background? (Dave Mosier, CA)

CMS' column in the April S9 contains evidence which establishes beyond any reasonable doubt that some numbers xmsns come from Communist embassies in the US or Canada. The only other possibility is that western intelligence agencies have numbers xmsns similar (identical voice etc.) to those traced to RHC's xmtr site, and as noted in the column, that seems far fetched (C.M. Stanbury II, SWNS)

4/4 at 2300 checked 9330 since gh mentioned a pirate testing. Hrd YL in EG "November India, India November, November India November", flute mx, repeated several times. 2305 usual list of numbers in EG with German accent. I suppose it was just a reincarnation of Mata Hari, contacting her controller, or perhaps more subtle pirate games? If so pse QSL via my address in NASWA directory. Will try computer if you send number code QSL! (Syd Osterman)

Voice of the People of Burma As advised on its broadcasts on 5110 kHz, as of 1/4 the stn began broadcasting only on 7570 at 0030-0230, repeated at 1130-1330. The opening & closing anmts on 7570 are very similar to those formerly hrd on 5110 and are read apparently by the same announcer. Transmissions are in 6 languages. Neither 5110 nor 6304 heard since. Parallel to 7570 before 1/4 was 6323. VOPB-test xmsns on 7570 and 6323 were first hrd 11/79. The anmts indicate a possible replacement of the VOPB stn which originated in 1971 by the service of the same name that appeared in November 1979 (WBI 27/3 & 3/4)

Revolutionary Voice of Zimbabwe broadcast its last pgm 12/3. A special anmt at end of pgm said that before it closed, it would like to thank the govt of Tanzania for offering the facilities of R. Tanzania. The pgm was inaugurated by R. Tanzania 1/7/79 tho similar broadcasts had been carried from 6/75 to 3/77 (WBI 20/3) V. of Rev. Ethiopia is the last station on the air still carrying the RVOZ pgm, weekdays 1900-1945 on 9560. It has now been discontinued by R. Madagasikara, R. Mozambique, R. Tanzania and R. Zambia who used to transmit it until 3/80 and VORE is expected to follow shortly (QTH Africa 30/3)

Voice of Free Africa has resumed broadcasts, obs in progress on 4765 at 1922 31/3. Closing anmt in PT said daily sked was 0400-0500 & 1830-1930; material continues to call on the people of Mozambique "to rise up and launch an heroic struggle against Machelist Communism". (WBI 3/4) Stn is of the Mozambique Nat'l Front, from unknown site in Mozambique, on 4764 at 1830-1930; same fq as pirates R. Big Daddy & R. Danny Boy, so maybe connected. Gave an address in Portugal (Richard Ginbey, RSA, RN DXJB 10/4) The 100 kW MW xmtr in Gwelo, Zimbabwe, which used to carry VOFA in PT and verns at 1630-1730 on 1020 is now used only for Radio 3 pgms in verns at 1745-1900 but fq changed from 1002 to 1000 exactly (QTH Africa 20/3) LN-13

Gafsa Radio, 'the Voice of the Revolutionary Movement for the Liberation of Tunisia' appeared to have been discontinued on 730 kHz after 16/3; but 26/3 observed on 1580 apparently with same program tho hard to tell due to poor reception (WBI 27/3 & 3/4)

Free Lebanon Radio, hostile to Syrian involvement in Lebanon anc'd on 1500 kHz 26/3 that xmsns would cease at 2000 instead of 2200 in order to 'introduce new equipment'; it promised to be back on the air at 0430 the next day (WBI 3/4) Moved to 1476 4/4; some EG & FR (WBI 10/4)

VOPVOPR obs testing 29/3 on 1270, 0400-, -1600, not // 1143 (WBI 3/4) Bavarian Socialist LN-14

Voice of the Communist Party of Turkey anc'd 28/3 that its 30-min xmsns /broadcast nine times daily exc. Sundays/ would be increased by 15 min from 1/4. Preliminary obs show this correct for the stn broadcasting in conjunction with 'Our Radio' on 9585 or 6200. The nine Sunday xmsns are already 55 mins long. Our Radio remains 30 mins weekdays, 55 mins Suns (WBI 3/4)

R. Condor International, Ireland, hrd 5/4 0610-0640 on 11463, very poor with deep fades and short peaks, lousy modulation, ID, some talk by man about "Jackie O" around 0631. Much pop mx with sound like British Capital Radio! How come no Irish mx like 'Paddy's Pig' or 'Phil the Flauter' to give us a bang and make us jig around? Guess they figure the pop stuff penetrates the static like nothing else (Syd Osterman, Ont.) Some bits of pop mx and EC talk audible 4/4 0608, 0643-7000; 6/4 0657 on 11463 (gh) Noted 6/4, fair 0741-0801 on 11463; barely readable by 0805. Pop mx, OM host "We are thinking of getting a DX program together" inviting listener contributions, ID as 'This is R. Condor International, broadcasting on SW, on 11463 kHz in the 25 meter band.' (John M. Fisher, Chelmsford MA) RCI is indeed strong, and should be possible to hear in USA on 11463, when they transmit pgms of Southside Radio at 1000-1200 and their own pgms from 1200 GMT. 48m fq difficult to hear in Norway so I suppose it's far more difficult in USA (Bernt Erfjord, Kvinnesdal, Norway, 20/3) Caroline LN-14

R. Impact is on 11400, not every Sunday, at about 1000 GMT (Bernt Erfjord, Kvinnesdal, Norway)

R. Krypton (Cf Apr LN-12) Oops, that hopefully iron-clad fq for the 0730-0830 20/4 test is 6265 (Robert L. Hoffmann II, NY) For the record; you heard this revealed on DX Digest... (gh)

V. of the Pyramids Due to continuing xmtr problems we will not be active until late May 1980. We sincerely apologize for any inconvenience caused by our failure to meet any of our scheduled broadcasts. We will only transmit on the following bands/frequencies: 4665/70, 5800-5900; 6240/50, 9330/40, 11600-11700, 15000-15100, 17475/550 (Mike Johnson, VOP, postmarked Terre Haute IN 14/4)

R. Indiana will test GMT 27/4, 0430-0445 7360, 0445-0500 6990, 0500-0510 on 4004 kHz. Also will test at 0425 on GMT 10/5 right after DX Digest, on 7360 (Crys Tal, V. of Indiana, post-marked Manhattan IL 11/4) News to me if DX Digest is on Friday nights (gh) Hrd 9/3 on 7357 at 0427-0433 testing, giving power as 212 watts, QSL rcvd (Mike MacCollum, IN)

V. of Clipperton (cf Apr LN-13), stn hrd on 7374.8 2/4 0707, strong signal and moderate RTTY QRM, taken to be 'Cliffordton' till saw report in Apr LN. Had a humorous 'Listeners Mailbag' pgm to 0713 ID, pompous symphonic mx, gave sked as Tues at 0700 (GMT Wed) and ID "This is RX 4 M, /Cliffordton/" Then Steve Martin's "King Tut" song, 'DX Forum' with Aaron Richardson and Mickey, reading lists of fqs of various stns with running commentary; audio ceased 0720, back at 0723, off 0725. Both ancrs had professional sounding delivery. Please QSL (Jack Lettemann, 314 NE 56th St, Seattle WA 98105) For what it's worth, there is no Cliffordton anywhere in the US per my old USPO directory (gh)

R. Clandestine hrd 30/3 on 6140 2153 tune in to 2240 tune out; very professional pgm with pop mx, DJ R.F. Burns. Many joke type ads (often in poor taste) and many IDs. Gave out address as Box 100, New York City, NY. Was received better than Canadians on 6005/6070/6130, in fact a good solid signal. Claim QTH in international waters off Nam coast (Don Moore, PA)

"WBLO" hrd 23/3 on 3876 from 0421 tune in. Mx was torturous 'mellow' and country rock: Eng-land Dan, Stevie Wonder, Billy Joel, Steely Dan, Eagles, Chicago--all standard AM/FM fare. Male DJ with English/British accent, only two breaks on mx. ID said 'coming to you from the East Coast'. Gave addr: WBLO, 1241 E. Peach tree St NW, Atlanta GA 30309. In second break said he was worried he had blown a final or a feedline; antenna farm mistuned; WBLO had received lots of mail re rights of pirates, promised to discuss this on air and to give phone number; said local commissioner was concerned about 4th and 5th harmonics blowing away the BBC on 15m in Europe (!), said we'd be able to call and 'bitch' if we wanted, but we could all go and get bent as far as he was concerned as 'long as we kept our headphones on'. Abrupt 0504* Hi-fi and good mod thruout; pse QSL. Not sure if same ancr as RHI; anyway, I wrote and complained about his mx (Jay Novello, Box 57, Endwell NY 13760)

"KVHF" was somewhat active during Mar; hrd 9/3 0800 on 6418 with 'Deacon Blues' by Steely Dan and at 0808 ID "This is Radio KVHF, North America", by male. Also hrd 19/3 0526-0557 with usual 50s-60s songs, and at 0736 20/3 on 22/3 hrd 0258-0428*, 'testing', and delays between songs, suggesting live xmsn /and one turntable --gh/ 22/3 they came back on for another test sometime between 0625 and 0635 to 0647*. Also logged 28/3 0706-0746 and 31/3 0609, not hrd since. Excellent sigs both in terms of tech quality and strength. Please QSL (Dave Mosier, 6162 Iowa Dr, San José CA 95123; 6/4) I've been hearing KVHF around 6418-6420 lately, playing non-stop rock, disco, and blues; very strong, but not hrd since 1/4 GMT, so they may have been busted or something. Usually around 0800 to 1008*, "This is KVHF, North America" and at s/off, "Good night and good morning from KVHF" (Joe Tangredi, Las Vegas NV)

Radio Syncom hrd 23/3 on 6280.0, 6248.4, 6279.0 and 6225.2 from 0530 past 0730, containing a 'DX program' at 0600, a relay of R. Telstar, an ad for FRC tapes, and even tips to listen to European pirates, AFAN McMurdo, and R. Cook Islands! They gave FRC addr for reports; sigs were fair to poor (William J. Yohana, Upper Saddle River, NJ) Were they on all four frequencies at once, or one at a time? (gh) Syncom International, North American East Coast, hrd Sun 23/3 0630 past 0700 on 6245; said they have 30 million listeners but they don't even know what their power is; they think it's between 50 and 75 watts (Patrick Muckian, Astoria NY)more

6/4 on 6248 0515-0600 I hrd a stn with low mod; I think I hrd WHGN from Pennsylvania, but then segments not in EG; mellow rock; 0555, someone said that in 5 mins they would move to 1678. Then I believe I heard 'Capital Radio'; could it be South Africa's puppet state? I am confused to say the least (Arthur S. Getzel, Flushing NY) 6/4 on 6250 Syncom International pirate broadcasting from eastern half of USA", 0543-0558. 0549 English accent, and 'mx pgm from Capital Radio, England'. Could have been C.R. tapes or a fake in their style only--not sure, too much noise. 0558* saying they would be back in 5 mins. I wish Capital Radio emulators would remember their symphonic program and opera. I am fed up with poppers; how about a classical intellectual pirate! Or is the piratical broadcasting concept simply too low-brow? (Syd Osterman, Toronto Ont) more Syncom below

Pioneer Radio hrd 17/3 0432-0523* on 7365, ancr Alfred Winerack, mx by ELO and The Who, talk on the Space:1999 TV series. 0456, "Renegade" by Styx, 0459 'This is Pioneer Radio, coming to you from somewhere out in the South Pacific'. Mentioned the ABC, Green River Radio and Moonshine Radio. UFO's "Too Hot to Handle", off at 0523, SIO 232, high QRN. Mr. Winerack, please QSL (Dave Mosier, 6162 Iowa Dr., San Jose CA 95123)

Moonshine Radio hrd 9/3 on about 7375, 0639-0652*, several IDs, QSL instructions, joke on Ford, Carter, Kissinger, fq as 7370. 0645 rock, 0648 '73s and good DX", played Champions and were off at 0652; SIO 333-433. I'd like to thank the people at ABC and G.R.R. for sending me several newsletters; I'd also like to get issues 3, 4 and 6 in the G.R.R. series, and all past MR and PR newsletters, and all future editions, thanks. The most recently dated one said an upcoming 'Science Fiction Digest' pgm would discuss the Star Wars sequel, 'The Empire Strikes Back'. I wonder if the ABC ops know of the toll-free number with tapes of a character from the first movie discussing what will happen in the sequel, 1-800-521-1980, which seems to be constantly busy (Mike MacCollum; 8908 Pickwick Dr, Indianapolis IN 46260) Our stn is Ten Miles Under Ground, Earth. Since no country owns land 10 miles down, we do not belong to any country. Our studios and mxtr are at this location. Our antennas are located on the Earth's surface on an unowned piece of land. The transmitter is powered by our huge moonshine still. We are happy to QSL reports with signal quality, a couple of pgms hrd, and the person(s) hosting. Write to one of the big three American SW clubs. We broadcast in the 41 and 13 m bands, at any time of the week, day or night, fq and time chosen at random (Johnny Blackbeard, Moonshine R. Newsletter #1, Jan., via Dave Mosier, CA) We haven't been broadcasting since Jan; we have been updating our studios and modifying speech quality of our sound system. Corrections: In Feb LN, G.R.R., our sister station is claimed to have studios 10 miles under the ground. This is false! M.R. is the only stn which does. In Feb SPEEDX, the ed. says we are 'obviously ham-run'. This is false! We have nothing to do with ham radio. (Johnny Blackbeard, Moonshine Radio Newsletter #2, Mar 1980) Report via FRC-USA (FRC)

Syncom 48 believed hrd 16/3 on 6248 around 0430 tho I'm not really sure. Al Muick and FRC-USA says sked of Syncom 48 (or 40 depending on meter band) is 0100-0600 Sat & Sun on 6225 and 7430, with occasional weeknite broadcasts on same fqs; on 6225 0800-1100 Suns to Eu; 21522 at 2300-0100 'on a Fri and Sat'. Other possible fqs are 4930, 4820, 14860, 15250, 17700. I have mainly hrd this stn on 6225, 6248 and 6275; 6248 worst due to QRN; all reportedly crystal-controlled. Syncom 48/40 is relaying R. Telstar at times along with, apparently, WJAM, the Free Radio Service of Conn., tho I have not hrd a WJAM relay yet. Both Telstar and Syncom have QSLed earlier with very large and attractive QSLs about 10 days after I called the number given over the air (Mike MacCollum, Indianapolis IN) more Syncom above

"WHY" is mentioned in the Mar 'Wavelength' of FRC-USA. A press release says that the night Al Muick and I were called by the stn their power was low, accounting for their not being very well hrd that nite. Usual power is 90 watts, and they plan to be operating on 3405 (or 3885 at times) during Mar & Apr and will have a broadcast July 4 (Mike MacCollum, IN)

R. Watergate Int., now also known as R. Abscam, is also mentioned; 35 watts per 'Wolfman Jack Cass', and Mr. Personality; on 2460 or 2630 kHz from 'off the eastern coast of USA' (MacCollum)

"WDAB", per Wavelength, will be returning to the air soon on a 13mb fq. (Mike MacCollum, IN)

"XR705" (meaning Crystal Radio 7050) can be found some weekends on 7050 around 0600 GMT, where the Voice of Venus can also occasionally be heard (Mike MacCollum, IN)

"WRAG" hrd 0553-0752* with several 5-min or so breaks, 9/3 on about 6955, lots of very good mx and talk by the Haber bros., Ray and Jimmy. Talked to both of them on the phone. They said the elder, Ray started it on Christmas eve 79; how call letters were chosen is to remain a mystery; one said "WRAG" was never used, the other said it had been once. Should not be linked to "WONS", a different stn, tho use the same fq and phone number. They said they vary power intentionally to discourage DF equipment, explaining the large variations in strengths. (SIO 444-233). Phone number is same as always; girl took my name and addr for QSL (MacCollum)

PROGRAM NEWS CANADA Since CBC killed Dr. Bundolo, the NS replaced it 0330 GMT Mons on 6195 and 9625 with repeat of 'Royal Canadian Air Force'; but on 21/4 began carrying hour-long sports pgm live from net instead at 0300 (gh)

LUXEMBOURG (Cf Apr LN-15) 'Record Pluggers' gone since 21/3; moved? (Terry L. Krueger, FL)

U S S R In mid to late Apr, RMWS indicated it would be introducing several new programs during the next 2 weeks (and changing times of oldies). Check Pgm Guide Fri 0411 1011 1611 2011.

DX PROGRAMS

- ANDORRA** The WRTH DX spot on R. Andorra Suns moved to 2225-2230 on 6220, but hoped to revert to 2125 by start of DST 6/4 (WRTH) There are plans to repeat the AWR Sunday World DX News pgm carried on Sines, during the week via AWR's R. Andorra xmsns (Mike Barraclough, WDXC Contact) The DX pgm produced by Telex, "Echo-Radio" is carried at the beginning of French broadcasts Suns 0800 & 1800 (George Cany, SCDX)
- ARGENTINA** Our club has two pgms, one of them Sats GMT 0130-0300 on LU5CBA 3625 kHz, and the other one on LW-21 R. Golfo San Jorge, 1020 kHz (MARPLA DX Club, Feb, via Frederick Leinker)
- AUSTRIA** As from 6/4 we are programming 'Shortwave Panorama' during the 1230 Sunday broadcast -- on 21655 to Nam. Will be interested to see if this suits our US fans (David Hergames, ORF, MAY REVIEW OF INTERNATIONAL BROADCASTING) Much better reception than ex-2305, tnx (gh) LN-13
- BELGIUM** RTBF has a French DX pgm Suns 1200-1230 on 21460 15210, and Fris 1800-1830 (WBI 4/80)
- CANADA** The RCI DX Digest to remain segmented as before on Af & Eu services, now changed on GMT Mons Nam service to the entire feature section after the news on the 0000 broadcast on 5960 and 9755, repeated in the 0400 on 11845 9655 9535 5960; 23 minutes total, as these two broadcasts are being extended from 27 to 29 minutes, allowing not only gh's 5 mins of DX rx as heard on Af & Eu services, but 2 minutes extra of special interest in Nam. Also, at the end of the Wednesday 2130 broadcast on 17820 15150 11945 every week (except perhaps during vacation periods) gh will have a mid-week update/preview of DX news. This will be especially useful to get news out that needs to be known before 1800 GMT Sun! Deadlines for receipt of info in Knoxville (EDT) are noon Wed for Wed, 10 am Fri for Sun broadcasts (gh)
- FRANCE** The RFI sked lists what sounds like a DX pgm, 'Le courrier technique des auditeurs', Suns to Af at 0720-0730 (0820 when standard time returns in Sept) (Joel Rubin, Berkeley CA)
- ITALY** Italian Broadcasting Corp, has DX pgms as follows: Italian, every Sun on Natl Sce and Intl Sce; German, first, third, fourth Suns; French, every Sun; English, fourth Sun. See Apr LN-2 and LN-5 for times and fqs (via Play-DX, which prepares the Italian DX pgm)
- NEW ZEALAND** See LN-2 for changes in the DX programs from RNZ
- PHILIPPINES** The DX pgm 'Listeners International' is on the Sat 0030-0100 on 15285 15135 17790 xmsns and the Mon 1430-1500 on 9605 11955 15215 from R. Veritas (R. Chester, RA DX 16/3)
- SPAIN** What is probably the first DX pgm in the Catalan lang is being produced by Manuel Sorribas Magnet for RTVE Barcelona on the Radio 4 xmtr on 100.8 MHz (SCDX 11/3)
- SRI LANKA** Radio Monitors International has added two more airings and changed the time of another, so now: Suns: 1100-1130 SEAs 11835 Au, 15120 FE, 17850 SEAs, each 35 kW; 1500-1530 to India 6075 10 kW, 9720 100 kW. 1200-1230 on the S.L. HS Ch. 2, 918 and 975 kHz, 93.3 and 90.8 MHz, and 4940 10 kW SW; 1800-1815 ME 11800 100 kW, 15115 35 kW (RMI) Coming program highlights: May 4, Broadcast in Solomon Islands; May 11, Australia's Little SW stations; May 18 Caribbean Relay Antigua; May 25, Caribbean Relay Montserrat; June 1, 5th Birthday pgm; June 8 RN-Bonaire; June 15, VOA Africa; June 22, Broadcasting from Mt Everest (Apr CANDX) Since 1980 is the 30th anniversary of AWR-Asia, RMI is conducting the 'world's biggest DX contest' during October, involving quizzes to be broadcast on the Oct. 5 & 12 programs, and logging as many AWR channels as possible in the week Oct 5-12 (8 days actually) (AWR Asia)
- TURKEY** VOT now airing the DX Corner on Tue/Thu/Sat (John S. Sterling, Lancaster SC) And the one on Sat is a repeat (Ekber Menemencioglu, VOT, MAY REVIEW OF INTERNATIONAL BROADCASTING) Believe it still starts about 15 min into xmsns, i.e. 1215, 1345, 2045, 2215 (gh)
- U S A** VOA has been including a 10-minute twice-monthly talk on SWL techniques, etc., during the Sat morn (GMT) Breakfast Show usually in the first hour, e.g. 0100+ on 5995, hosted by Alan Silverman (Dan Robinson, VOA) My World of Radio DX pgm has changed time again on WUOT 91.9 Knoxville and WUTC 88.1 Chattanooga--Sats after 6 p.m. EDT, and the following hour of 'Unbridled' often includes excerpts from SW broadcasts (gh) more, LN-13

PUBLICATIONS

- Popular Electronics** carries each month either a 'DX Listening' column or 'Broadcasts in English' schedule, both compiled by gh. I don't often mention this since I assumed most NASWans know already, but evidently some do not, among them Robert Fraser in his April SWC article! (gh)
- WRTVH Newsletter** updates the WRTVH, and is issued in May, August and November. Order only from WRTH Newsletter, SØlliljevvej 44, DK-2650 Hvidovre, Denmark. Cost US\$ 8, or 4 pounds st., or DM 16, or Danish Kroner 44. (No extra charge for airmail outside Europe). Remit by cash, cheque, transfer to postal account 3 13 25 95; or IMO (gh)
- WRTH 1980** is available for immediate shipment at \$15 postpaid U.S./Canada. Add \$1 for First Class. A varying supply of 1977, 1978, and 1979 WRTHs is available, same price. Any 2 diff., \$28; any 3, \$39; all 4, \$48. **Communications World 1979** and **1980** and several other current and out-of-print items by Davis Pub., **Communications Handbook 1978** (Ziff-Davis), and other radio & computer mags & books are available near wholesale cost as a non-profit service to fellow club members. A complete list is available for a SASE. WRTH orders should be accompanied by check or money order (IMO only in Canada) payable to Donald Erickson, 6059 Essex St., Riverside, CA 92504. 714-687-5910 7PM-midnight & weekends.

- ✓ Down-Under DX Survey #14 has been issued 7/4, 14 pages of legal-length good quality mimeo, 5 of which detail David Foster's "South-East Asian Sojourn" including bandscans made in various towns in Indonesia, Malaysia and Philippines, as well as a page on a visit to FEBC. Also, a 2-page survey by fq of Chinese HS stns and lots of news about other Asian DX plus a supplement sheet with a good map of China showing provincial boundaries and SW xmtr locations. Very interesting reading and lots of original material. 6 IRCs airmail outside ANZ (3 IRCs or 50¢ mint Au stamps inside ANZ) from DU DX Circle, 7 Donald Road, Burwood, Victoria, Australia 3125. I recommend it highly (gh)
- ✓ World Broadcasting Information, will change format as from May and annual subscription costs increase to these rates (including postage): (pounds) U.K. 24. Overseas surface mail, 26. Airmail: Eu, 29; ME & NAF, 30; Am, Af, As, 32; AuAs & Japan, 33 (BECMS 20/3)
- ✓ New Image for VOA is a great illustrated article by Chalmers M. Roberts in the New York Times Magazine, Apr. 13, 1980 (Beverly Slomka, Brooklyn NY)
- ✓ New Scientist, Jan. 24, 1980 issue contains a detailed report on the overall meaning of the World Administrative Radio Conference, especially for the Third World. If you can't find this British magazine in your library, their address is: King's Reach Tower, Stamford St., London SE1 9LS, England (SCDX 11/3)
- ✓ Latin American & African Radio Log, 16 page FRENDX-size booklet compiles Mar 1979-Feb 1980 receptions from these areas in E. Australia, in separate frequency lists, and QSL statistics by country; illustrated. Price by airmail anywhere, US\$2, or 7 IRCs from: ARDXC, Box 227, Box Hill, Vic. 3128, Australia (Peter Bunn, compiler)
- ✓ Hitch Hikers Guide to the Galaxy, a paperback, price 80p, with 160 pages from Pan Books, writer Douglas Adams. Not a copy of the radio first series and not the book of the play but a very entertaining story which does not follow the radio series. (Ken Prior, WDXC Contact)
- ✓ Federal Frequency Directory, the ultimate reference volume for utility DXers, SWLs and scanner buffs, contains more than 100,000 discrete listings of fqs, agencies, and locations of US govt radio comms installations, 2-420 MHz inclusive, 100% official, no hearsay. Advance orders being accepted for late April printing, \$14.95 ppd (Grove Enterprises, Route 1, Box 156, Brasstown NC 28902) "Hearsay" is sometimes better than outdated or inaccurate official info, which this may or may not contain (gh)
- ✓ Sounds of Shortwave is a new 60-min cassette tape explaining those mysterious buzzes and squeaks you hear on SW; plus hints on selecting rx, antennas, hints for better reception; \$5.95 ppd from (Grove Enterprises, Inc., Route 1, Box 156H, Brasstown NC 28902)
- ✓ Broadcasting to the USSR and East Europe, in Problems of Communism, Jan-Feb 1980, short commentary on six recent books dealing with effects of broadcast to eastern bloc (Hugh Miller & John Hedstrom)
- ✓ The Hallicrafters Story is told in Ham Radio, Nov. 79 (Hugh Miller, Seattle WA)
- ✓ Worldwide Sources of Code Practice, CQ, Sept. 1979, freqs and times for worldwide CW xmsns of news, weather, notices to shipping (Miller)
- ✓ Broadband JFET Amplifiers VLF-100 MHz, low noise, IMD antenna preamp construction. Ham Radio, Nov. 1979 (Hugh Miller, Seattle WA)
- ✓ Active Antenna VLF-10 MHz, design and construction, Ham Radio, Oct. 1979 (Miller)
- ✓ Listen to Radio Energy, Light and Sound, Graf, 1978, H. Sams Co. Interesting chapter on VLF whistlers, the natural radio signals that have been around for hundreds of millions of years
- ✓ POW Radio, Combat Illustrated, Winter 1979. POWs held by Japanese in China convert^(Miller) ed Nippon propaganda receiver to pick up SW from USA. When it was confiscated, they constructed a crystal set radio entirely from scratch; info they gathered from listening helped them plan their escape (Hugh Miller, Seattle WA)
- ✓ Free Airwaves, 30p FRENDX-size magazine, apparently monthly; if you can stand the lack of spaces after periods and commas, you'll find loads of info on the so-called 'Free Radio' movement in Britain. Couldn't find a subscription price but their address is Free Broadcast Movement, P.O. Box 319, Edenbridge, Kent, UK0GBANI (gh)
- ✓ Monthly Reports of the Asian Broadcasting Institute, despite its fancy name seems to be DXer-produced; No. 2, April, has fq and pgm skeds from China, Taiwan, Korea, and a 3-page list (!) of harmonics audible from those countries, by fq, mostly in HF, 3888-83020. 12pp total. 12-month subscription by overseas airmail: ¥5000 (remittances must be in yen). ABI, CPO Box 1334, Tokyo, Japan 100-91 (gh)

LAST MINUTE INFO

✓ AFGHANISTAN A relay of RA DS in Pashto & Dari hrd since 5/4 from 1830 fade-in to apx 1930* on 4740, 0125- (WBI 15/)

✓ AUSTRIA For J80 ORF 1230-1255 EG to NAm on 15290 ex-21655; no changes in others to NAm(gh)⁽⁴⁾

✓ BOLIVIA R. Stentor director Fernando Chiappe says their power on 6095 will increase from 5 to 25 kW in Aug 1980 making it the most powerful in Bolivia (Bombardiere & Povznic, ADXL) The authorities have put a 10-year-freeze on new SW licences, due to congestion. The plan also involves freq changes, as various stn mgrs told us during our Feb-Mar DX trip thru the country. Cochabamba (5975) means 'damp and fertile plain' in Quechua (ibid.)

- ✓ BRASIL R. Nac. Cruzeiro do Sul active again on 4765 (Julian Anderson, Bs. As., ADXL Apr-May)
- ✓ CHINA R. Peking EG to Nam as of 25/4: ENAm 0000-0200 15120 17680 17855, 0200-0300 15120 15230 17680, 1200-1300 15520. WNA 0300-0500 15120 15230 17680 (via George Poppin, CA) Cf LN-3; Hill's 4680 2nd harmonic is paired by 7020 where he also hrd them; and ABI reports same 2340 kHz xmtr hrd as hi as the 11th, 25740; and 12th, 28080, and 13th! 30420 (gh) Xinjiang PBS, Urumqi said it would adjust Std Chinese svc fqs as of 7/4; first and third xmsns would be on 6120 4505; 2nd on 9560 7385 6120; no times given (WBI 10/4)
- ✓ EQUATORIAL GUINEA LV de Rfo Muni alts irr 4925/5005, sometimes switching fq in mid-xmsn; at 2100 daily, relay of SP nx from R. Malabo, 2200* (Paul Karagianis, UK, QTH Africa, 10/4)
- ✓ GREECE 2nd Nat'l Pgm often hrd on strange 8895 (Heinz-Peter Stummvoll, Austria, SCDX 22/4)
- ✓ INDIA AIR has an extensive sked of 'home news' bulletins on SW for relay throuth the country. The ones in EG: 0032 $\frac{1}{2}$ -0035 7120 3925. 0240-0250 15160 15140 11835 11765 9715 9615 9560 7290 7225 6045. Sun 0340-0345 17835 15160 11765 9715 9615 7290 7225 6045. 0730-0732 $\frac{1}{2}$ 17705 15250 15180 11935 11850 11735 9705 9615 7140. 0830-0840 17705 15250 15180 11850 11735 9705 9615 7140. 1135-1140 (states nx) 18665 15320 15250 11850 11725 9675 7140 6050. 1230-1235 15170 11945 11850 11620 9510 7280 6120 3905. 1430-1435 10335 9950 7412 7280 7195 7155 6145 4860 3925. 1530-1545 on 10335 9950 9615 7412 7280 7195 7155 6145 4860 3925 3255. 1730-1735 9950 7195 7155 4860 3925 3255. Vividh Bharati (commercial svc): 11830 0830-1015. 11765 1030-1200. 9750 0830-1100. 9535 1300-1445. 9525 0125-0400. 9510 0630 (Sun 0600)-0700. 7265 0130-0300. 7225 1245-1730. Pgm for Armed Forces Personnel, in Hindi & Gurmali: 1235-1315 on 4860. Pgm for Arunachal (ex-NE Frontier Agency) 1115-1130 15320 11725. Urdu svc: 0830-1130 9605, 1430-1930 3295 (WBI 10/4)
- ✓ IRAQ R. Baghdad now using 6155 not only for ES in Hebrew 1530-1630, but for DS 0230-1530 $\frac{1}{2}$ /180 and 1630-2310; Hebrew is also on 9553 (WBI 10/4)
- ✓ KAMPUCHEA VOKP DS as of mid-Mar on 7373, ex-7377v; heavy ute QRM (Isao Ugusa, DXFL 30/3)
- ✓ KOREA NORTH Semi-pseudo-quasi-ersatz SWBC with 7 mins vocal offering, then dictation speed items, *1330-1345v* since 14/4 on 5699; sure strong; only QRM is het from KCBS 2nd harmonic of 2850 on 5700, an amusing addendum (Bob Hill, Redwood City CA) Unlisted KCBS HS outlet strong on 9662 at 1500 13/4; first time such within the 3lmb (Bob Hill, Redwood City CA)
- ✓ LEBANON R. Lebanon being hrd on 1820 at 0230, heavy QRM (Dan Kosko, MI, Apr SPEEDXGRAM)
- ✓ NETHERLANDS Altho we have long had the authorization for our new xmtr facility in Holland, we are still awaiting permission to proceed to build it in a certain place. We are impatient to begin, but it will still be several years before the first xmsn from there (Loog via ADXL)
- ✓ NETHERLANDS ANTILLES Final TWR J80 sked (underlined 250 kW, rest '50): 9560 0930-1100 SP & GM 9575 0715-0930 PT. 11710 0330-0445 RS, Ebu. 11785 0445-0500 AM & AR. 11895 0945-1030 CM. 11925 0045-0130 EG. 11950 0215-0330 SP. 15255 1100-1245 (Sat 1330, Sun 1415) EG. 15275 2145-2215 FR (Sat NW). 15350 2145-2300 MD. 15420 2215-0215 SP/PT/RS. 15440 0130-0300 SP (TWR)
- ✓ NIGERIA FRCN reported 3/4 that Sokoto State Govt was concerned at standstill in construction of new studios of SBSC's Rima Radio; state governor proposed state finish it. Rima Radio is on 6195 at 0426-2310 (WBI 10/4)
- ✓ PORTUGAL/JAPAN R. Japan Sines relay for J80: 0700-0730 15435; 2200-2230 15180 (SCDX 22/4)
- ✓ SOMALIA J80 IFRB lists Mogadishu 100 kW 15295 0300-1700; 11860 1700-2400 (Roger Legge, VA)
- ✓ SWITZERLAND SRI J80 EG: 0700-0730 & 0900-0930 21520 21695 15305 9560. 1100-1130 21630 21520 17795 15430. 1200-1230 9535 6165 3985. 1315-1345 21570 21520 17735 17830 15305. 1530-1640 21570 17830 15125. 1815-1845 21585 17830 17760 15170. 0145-0215 15305 11715 9725 6135. 0430-0500 11715 9725. Also on 9535 6165 3985 at 0700, 1315, 1530, 1815 (Swiss PTT)
- ✓ TRANSKEI Capital Radio returned to 3950 0400-0530 & 1600-2300a, good strength. 7160 still used daytime, 603 all the time (QTH Africa 10/4)
- ✓ TURKEY For J80 TRT VOT making lots of changes in EG skeds: 1200-1300 17860 15185. 1330-1430 17860. 2030-2130 11855 11895. 2200-2300 7215 9515 11855 11895 15250 15360 (Ralf Munster, April SPEEDXGRAM) 6 xmsrs at 2200? Already in April were on 15250 at 2200 along with 11955 9515 7215; also announcing 2030 as 11955 and 11885, 21/4 (gh)
- ✓ UNITED ARAB EMIRATES Further Dubai tests 3/4, 5/4, 8/4, 9/4 on 21485 to apx 1000 (WBI 10/4) 21485 hrd at 0430, HS relay, EG ID 0432, 15/4 (Paul A. Routenburg, Downsview Ont)
- ✓ U S A KGEI has a 'Dixismo Internacional al día' spot, Weds but not weekly at 0115 (Jorge A. Cucui & David G. Presser, Argentina, ADXL) Tue/Thu/Sat 0115 on 15280; produced by Argentinian José Tíndaro Muscará (Cucui & Bombardiere, ADXL) Also hrd Mon 10/3 on 9615 (J.E. Kramer ADXL)
- ✓ U S S R RMWS hrd on 29057 at 0600 (Arthur Cushen NZ). Harmonics hrd: 19530 2 x 9765 Farsi at 1135, Euro site; 23580 2 x 11790 RMWS Nikolayev 0805; 28350 7 x 4050 Frunze 1330-1400+; 29625 5 x 5925 1245 Tashkent, BFO het only; 29650 5 x 5930 Murmansk M1 pgm 1239, weak (Joachim Kornek, Germany, April SPEEDXGRAM)
- ✓ VATICAN Since 6/4 VR xmsns are all one hour earlier (WBI 10/4) No EG hrd 0000 22/4 11845(g)
- ✓ ZANZIBAR M80 IFRB lists Dole 50 kW on 6015 9525 11735 15165 17755 1500-2100; 0300-1500 on 9525; presume a projected xmtr (Roger Legge, VA) Indeed (gh)

✓ CLANDESTINE CRANNY addenda: Voice of Free Africa (cf LN-8) morn xmsn is repeat of eve; first half in PT, last half in verna (WBI 10/4) 1800-1930 in PT, calls various 'bases' inside Moz with cryptic messages, but its location there cannot be confirmed or denied yet; very good mod, on 4764 USB full carrier, increasing xmtr range this way (QTH Africa 20/3)

✓ Bavarian Socialist Peoples Party (anti-Strauss) hrd at 1900-2000 daily on 5960 and 792, in Bavarian German dialect; use of 5960 points to Malta site (Johannes Rath, W. Ger., SCDX 22/4)

✓ R. Caroline seems to have been resurrected, hrd 10/4 2300-2325* on 15130 with pgm maybe commemorating 10th anniv of Beatles breakup; very good, hard to believe this is 20 watts from Ire land, but it would make no sense to be anywhere else; DJ was Ronnin(?) O'Reilly (Mark Penning ton, Paris IL) I strongly suspect this was some ordinary stn playing a R. Caroline tape(gh)

✓ IN MY OPINION

(Hugh Miller, Seattle WA) Yes, the pirate loggings are getting out of hand. I'm not opposed to pirates; they are sometimes even interesting to listen to. But there's too much space wasted on your everyday, average rock mx pirate. What is their point? Are the crude hand drawn QSLs that cute? Should FRENDX serve as a de facto QSL exchange service for pirates? As for the in-hamband ones, I don't think these nerds deserve to be listed at all, since they actually infringe on other people's rights. These scaffolds deserve all the jamming they get, and I promise to add my 350 watt carrier to their signal. 'Illegal hams' offer no redeeming value, such as a broadcast pirate might claim, but only express their own callous lawlessness. May I suggest their reception reports be tendered to the FCC and not FRENDX. I do not see mindless anarchy as of defensible value and would like to see some standards enforced in FRENDX.

gh: The role of LN is to document what is actually on the air, legal or not. However, QSL traffic should be handled thru the FRC-USA, not FRENDX.

✓ USAF STARTS RADAR ON SWBC BANDS First xmsns of low-level signals from the USAF/GE experimental over-the-horizon back-scatter radar in Maine were being readied last week. Beginning next month, measurements will be made to check signal strength outside the fence that surrounds the 2265-ft-long xmtr antenna, located near Moscow/Carabunk, to assure that no environmental hazards exist outside the protective fence. The rx site, located near Columbia Falls, is to begin operation in Feb (Aviation Week & Space Technology, 17/12/79 via Munster)

The April 1980 issue of QST carries an article on this (pp 39-43) which is must reading for SWLs. The system is obviously of great defensive and meteorological importance, and it appears that the US system, in contrast to the Soviet 'woodpecker', will cause less disruption on the SW bands, except that the xmtr site is closer to NAM listeners. The USAF has a so-called 'good neighbor policy' of not operating intentionally on the ham, maritime, aero and standard freq SW bands, except for some spillover for which they invite interference complaints to: OTH Radar Office, USAF Electronic Systems Division, Code OCUE, Hanscom AFB, MA 01731. Well, if they're not operating on those SW bands, what ones are they using? You guessed, fixed, and BROADCASTING. On a 'non-interference basis'. That's OK then? Guess again. Two-way users of the HF spectrum have great advantages over one-way users (us) in this situation--they have lobbies such as ARRL, and can change fqs on short notice if necessary to avoid QRM. We have to take whatever crap is shoved at us. Can you imagine the USAF daring to start up a radar system which would systematically interfere with domestic AM/FM/TV bands? Hardly! But they think they can get away with it, because 'who listens to shortwave broadcasts'? It is impossible to operate at all on the SWBC bands without causing QRM to some would-be listener, at any hour of the day or night, on any frequency. Yet it is quite possible that the USAF could test and/or operate OTHB within our BC bands and receive hardly any complaints--listeners would not recognize what it is and where it is coming from. And if they did, they would not know where to complain. The address is above! The complaining should be done now! At their gall in choosing to operate on the SWBC bands this clearly utility service. Surely, the still-larger expanses of the fixed bands should be sufficient and allow enough flexibility for the OTHB system to operate effectively. How do you tell it apart from the Soviet one? Read the article for details, but basically the American radar signals sound on an AM receiver like power-line hum, at any one of several modulation frequencies from 20 to 60 Hz. This is quite distinct from the 10-per-second millisecond-length pulses from the USSR. I suggest you write to the address above, with copy to your congressman and senators, and to the FCC, and be sure to state your specific reasons for objecting. And of course, every instance of actually observed QRM of this type within an ISWBC band should be reported as an interference complaint. Furthermore, every international broadcaster should file a protest thru official channels. Especially those who confine their transmissions to the SWBC bands; especially not those countries which are guilty of the equally loathsome practice of jamming. Just as no jamming country has any 'legal' right to do so, I believe an inspection of 1959 and 1979 WARC documents will show that the US has not made any 'reservation' allowing it to engage in such non-broadcast activities on the SWBC bands. (gh)

✓ UNIDENTIFIED

3230 Latin stn sduible as early as 0200 past 0300, but no ID has been possible due to QRM & QRN, since 13/4; doubt it's a harmonic as no fundamental fits. There is a 400-W Peruvian here per WRTH and TBS (Bob Hill, CA)

4747 'Pomp & Circumstance' IS hrd SIO 333 on apx fq at 0450, for 5 minutes and then nothing and never heard it again despite 4 checks; maybe spyland? (W. Maxfield Greenwood, Devon PA)

QSL REPORT OF INDONESIA

SERVICE OF RADIO REPUBLIK INDONESIA
 THE OVERSEAS SERVICE OF RADIO REPUBLIK INDONESIA



Sam Barto
 NASWA QSL Editor
 460 Emmett St. B-19
 Bristol, CT. 06010



For late QSL reports
 call:
 1-203-589-0083

- ADMIRALTY ISLAND:** R. Manus 3905 yellow "NBC" cd. via Boroko in 1 mo. for 2 IRCs. (Lobdell-MA).
- AFGHANISTAN:** R. Afghanistan 15075 f/d "Map" cd. in 61 ds. for 2 IRCs. (Algeri-PA). in 161 ds. (Scott-ONT).
- ALBANIA:** R. Tirana 7120 f/d "Revolutionaire" cd. in 80 ds. for 2 IRCs. (Vogelman-NY). 9750 f/d cd. in 73 ds. (Byron-NY). Don't waste your IRCs here fellas!
- ANDORRA:** R. Scandinavia 6215 f/d cd. and sticker in 15 ds. for 1 IRC. (Cucura-PA). AWR & R. Andorra 6215 f/d "Costume" cd. in 30 ds. for 2 IRCs. (Blom-NY).
- ANTIGUA:** BBC 6175 n/d cd. in 2 mo. (Douglass-PA). "World Radio Club Award" cd. w/ site in 97 ds. (Hoffman-PA). Deutsche Welle 6075 cd. in 43 ds. (Goodson-SC). 6040 cd. in 68 ds. (Moore-PA).
- ARGENTINA:** R. Splendid 5985 n/d cd. & ltr. in 8 mo. for a SP rpt. and ms. v/s Jorge S. Pedrerol, Vicecomodoro blue pennant also rcvd. (Lazarus-LA).
- ASCENSION ISLAND:** VOA 21490 f/d cd. in 5 ds. (Krause-MN). BBC 15390 "World Radio Club Award" cd. in 97 ds. (Hoffman-PA).
- ASIATIC RUSSIA:** R. Moscow via Chita 12070 f/d man-PA). cd. in 62 ds. (Plotnick-CT).
- AUSTRALIA:** VLN 9610 via Wanneroo f/d "Map" cd. in 14 ds. for 1 IRC. (Hughes-MAN). R. Australia 17795 cd. in 33 ds. (Goodson).
- AUSTRIA:** ORF 21655 f/d "Phantasmagorical Landscape" cd. in 2½ mo. * (Matthews-OH). 5945 f/d cd. in 14 ds. for 1 IRC. (Fraser-MA). 6000 via Aldrans f/d silver cd. in 2 mo. (Klein-FL)... Thanks for the call and the information Stu... Sam.
- BELGIUM:** BRT 15380 f/d "Logo" cd. in 33 ds. (Semsky-IN). 17730 cd. in 30 ds. (Goodwin-MI).
- BELIZE:** R. Belize 3285 f/d "Map" cd. in 14 ds. for 2 IRCs. v/s J.A. Johnson, Chief Broadcasting Officer. (Semsky-IN). in 13 ds. for ms. (Eastman-TX). in 20 ds. (Eckman-IL).
- BENIN:** La Voix de la Revolution 4870 f/d "Scenes" cd. in 2 mo. (Reitz-KY). in 34 ds. for an EG/FR rpt. and 2 IRCs. (Toope-NFLD). in 21 ds. for 2 IRCs. (Witte-CA). in 77 ds. for 1 IRC. (Scott-ONT).
- BONAIRE:** R. Nederland 9590 f/d "Costumes" cd. in 18 ds. for 1 IRC. (Douglass-PA).
- BRASIL:** R. Globo de Sao Paulo 6125 blue and white cd. in 5 mo. for a PT rpt. and ms. (Lazarus-LA).
- BULGARIA:** R. Sofia 9665 f/d "Zlatni Pyassatsi" cd. in 63 ds. (Hoffmann-NY). 9765 cd. in 59 ds. w/ other station information. (Goodson-SC).
- BYELORUSSIA:** R. Moscow via Minsk 15490 and 15150 f/d cds. in 4 mo. (Matthews-OH).
- CANADA:** CHU 3330 "Sir Sanford Fleming" cd. in 14 ds. (Semsky-IN). in 16 ds. (Myers-AZ). in 28 ds. (Haysbrook). RCI 5960 do-it-yourself cd. in 3 wks. (Moore-PA). CBC-NS 11720 ltr. w/ pennant in 13 ds. (Goodson-SC). CHNX 6130 "Ocean Playground" cd. in 20 ds. (Moore-PA).
- CANARY ISLANDS:** REE 15365 via Tenerife f/d "San Clemente de Tahul" cd. in 34 ds. for 1 IRC, which they returned! (Desrosiers-MA).
- CHILE:** R. Nacional de Chile 15140 cd. in 5 mo. for an EG rpt. (Plotnick-CT). in 11 mo. for 2 IRCs. (Ossege-OH). in 45 ds. for a FR rpt. (Eckman-IL). in 5 wks. (Matthews-OH). in 11 mo. (Briscoe). 15115 f/d cd. in 11 mo. for 2 IRCs. (McClellan-MI). 11890 w/ "Mountain" Lucás in 46 ds. (Moore-PA). R. Minería 9750 ltr. in 37 ds. for a SP rpt. and ms. v/s Lucás Gonzalez Rivera, Gerente. (Douglass-PA).



MONTE-CARLO

Trans World Radio

CHINA: R. Peking 15230 "Bridge" cd. in 1 mo. (Toope-NFLD). 15520 cd. in 28 ds. (Buegler-MN). 11695 "Village" cd. in 22 ds. (Fraser-MA). 17860 "Harbor" cd. in 23 ds. w/ station badges. (Desrosiers-MA). 9390 f/d cd. in 1 mo. (Klein-FL). 11945 f/d "Boulevard" cd. in 17 ds. for 1 IRC. (Dye-MO). in 25 ds. (Goodson-SC). 15115 "Industrial" cd. in 23 ds. (Danko-NJ)



CHINA: R. Peking 15115 f/d cd. in 16 ds.
 (Myers-AZ). 17680 "Oil" cd. in 24 ds.
 (Hoffmann-NY). "Fisherman" cd. in 3 wks.
 w/ pennant.(Goodwin-MI). "Mountain" cd.
 * in 3 wks.(Kapinos-MA). Hubei PBS 3940 via
 Wuhan "Wateriron" cd. in 1 mo.(Orcutt-
 CA). Yuannan PBS 4760 cd. in 20 ds.(Porter-
 CT). Quinghai PBS 3950 via Xining cd.
 * in 16 ds. w/ pin (Orcutt-CA). Fujian
 Front B/Cing Station of the PLA 5240 and
 5265 via Fouzhou "Industrial" cd. in 1 mo
 * (Klein-FL). Guangxi PBS 4915 via Nanning
 * cd. in 1 mo.(Klein-FL). Gansu PBS 4865
 * cd. in 32 ds.(Henderson-MD). Jilin PBS
 * 3310 cd. in 32 ds.(Henderson-MD). Fujian
 * PBS 4975 cd. in 1 mo.(Henderson-MD).
 * Yunnan PBS 4760 cd. in 1 mo.(Henderson-
 * MD). Jiangxi PBS 5020 cd. in 32 ds.(Henderson-
 * MD)...Great selection gang!

COLUMBIA: R. Super de Medellin 4875 cd. and a
 ltr. in 84 ds. for a SP rpt. and 1 IRC.
 v/s Gilma Velasquez de A.(Danko-NJ). in 3

wks. w/ prepared cd.(Lobdell-MA). R. Santa Fe 4965 EG/SP ltr. w/ green pennant in 46 ds.
 for a SP rpt. and ms. v/s Luisa Mahe Vda. de Bernal, Manager.(Ossege-OH). R. Guatapuri
 4815 f/d ltr. in 30 ds. for a SP rpt. and 1 IRC. v/s Miladys Perez Cordoba.(O'Riordan).

COSTA RICA: TIFC 5055 f/d "Microphone" cd. in 11 ds. for an EG rpt. and 2 IRCs. v/s J. Ochoa
 Administrator.(Algeri-PA). cd. in 24 ds. for 1 IRC.(Toope-NFLD). in 21 ds. for 1 IRC.
 (Witte-CA). in 37 ds.(Myers-AZ). in 2 wks. for 1 IRC.(McClellan-MI). R. Universidad 6103
 "30th Anniversary" poster w/ veri statement in 7 wks. for a SP rpt. and 3 IRCs. v/s Jose
 Tasis S., Director.(Orcutt-CA).

CUBA: R. Habana 11930 f/d cd. in 5 mo.(Krause-MN). R. Moscow via Habana 11860 f/d cd. w/
 * site. in 67 ds.(Buer-FL)...Was report sent directly to R. Moscow?...Sam.

CYPRUS: BBC 9600 n/d cd. in 36 ds.(Douglass-PA). 11720 cd. in 97 ds. w/ site(Hoffman-PA).

CZECHOSLOVAKIA: R. Prague 5930 "National Costumes" cd. in 33 ds. for 2 IRCs.(Douglass-PA).
 7345 cd. in 49 ds. w/ slides!(Semsky-IN). in 80 ds.(Myers-AZ). in 127 ds. (Moore-PA).

DENMARK: R. Denmark 15165 cd. in 17 ds. for 1 IRC.(Reitz-KY). in 18 ds.(schlaugat-WI).

ECUADOR: La Voz del Napo 3280 personal ltr. in EG in 2 yrs(!) for a SP rpt. and ms. v/s P.

* Jose Molina, Director.
 (Hoffman-PA). R. Luz y
 Vida 4850 cd. in 16 ds.
 for ms. v/s Hermana Mar-
 isol Dominguez.(Moore-PA)
 HCJB 11910 cd. in 40 ds.
 for 2 IRCs.(Haysbrook-UT)
 26020 f/d "Old City" cd.
 in 6 wks.(Kapinos-MA).
 in 21 ds. for ms.(Schukal-
 MO). in 29 ds.(Semsky-
 IN).

EGYPT: R. Cairo 9475 cd. in
 91 ds.(Leite-MA). in 105
 ds.(Danko-NJ). 12050 cd.
 in 103 ds.(Semsky-IN).
 9805 cd. in 175 ds. for
 1 IRC.(Fraser-MA).

ARMED FORCES RADIO SERVICE, N.Y.
 250 West 57th Street - New York, N.Y. 10019

CONFIRMING YOUR REPORT OF RECEPTION
 5,969 kc/s
 At 1430-1440 GMT On 4 September 1964

World-Wide Voice of Information & Education

UNITED STATES ARMED FORCES
 ARMY AIR FORCE NAVY

ENGLAND: BBC 9410 cd. in 33 ds. (Goodson-SC). 5975 f/d cd. w/ site in 97 ds. (Hoffman-PA). 6175 cd. in 22 ds. (Haysbrook-UT)...Could this be the Antigua site? VOA Hooferton 9670 cd. in 21 ds. (Toope-NFLD). 7200 cd. in 45 ds. v/s Wayne Green. (Dittrich-FL).

ESTONIA: R. Tallinn (Eesti Raadio) 6085 "Airplane" cd. in 3½ mo. (Lobdell-MA). f/d cd. and a * pennant in 100 ds. for 1 IRC. (Vranas-PA)...Nice QSL.

EUROPEAN RUSSIA: R. Moscow via Tula 7240 and 9610 f/d cd. in 67 ds. (Buer-FL). 9610 cd. in 49 ds. (Hoffmann-NY). via Moscow 9810 "Firework" cd. in 52 ds. (Danko-NJ). 9490, 9530 & 15460 cd. in 67 ds. (Buer-FL). 9490 w/ "Olympic Bear" cd. in 73 ds. (Semesky-IN) via Kenga on 17805 and Voronezh w/ cds. in 67 ds. (Buer-FL). via Vologda on 15305 "Red Square" cd. in 66 ds. (Buer-FL). via Armavir on 21545, 11870, 12010 and 15470 cd. in 67 ds. (Buer-FL). 12010 "Logo" cd. in 1 mo. (Orcutt-CA). in 2 mo. (Matthews-OH). via Leningrad 21465 w/ cd. in 2 mo. (Matthews-OH). via Zhigulevsk 15525 cd. in 2 mo. (Matthews-OH). 15185 f/d cd. w/ site in 67 ds. (Buer-FL)...Good group of sites!

FALKLAND ISLANDS: FBS 2370 cd. and ltr. from Mrs. Kerr. Card #11! My most prized Latin and VIC #212(!) (Henderson-MD)...And well it should be! Card and letter from * Patrick Watts, Station Manager w/ a postcard of Port Stanley in 2½ mo. for a taped rpt. and a dollar bill. Station said that my tape was "amazing" at S9 + 10db! He mentioned that he had received many unconfirmable reports. (Perdue-AL).

FEDERAL REP. OF GERMANY: Bayerischer Rundfunk 6085 "Observatory" cd. in 42 ds. for 2 IRCs. (Hoffman-PA). in 46 ds. for 1 IRC. (Moore-PA) DW 6085 cd. in 47 ds. (Hoffmann-NY). R. Bremen 6190 f/d "Antenna" cd. in 52 ds. for ms. (Dittrich-FL). "Logo" cd. in 42 ds. for 2 IRCs. * (Hoffman-PA). Deutschlandfunk 6975(USB) f/d red and blue cd. in 31 ds. for 1 IRC. (Moore-PA). Sudwestfunk 7265 "Ear" cd. in 32 ds. (Toope-NFLD). VOA Munich 3980 f/d cd. in 2 wks. (Kapinos-MA)...Another nice selection! I'm really glad that all the Hoffman's live in different states....Sam.

FINLAND: R. Finland 15400 "Industrial" cd. in 1½ mo. (Grishin-ONT). 21475 cd. in 22 ds. (Semesky-IN). in 78 ds. (Eckman-IL).

FRANCE: RFI 17850 "Eiffel Tower" cd. w/ pennant in 40 ds. for 2 IRCs. (Douglass-PA) 11705 ltr. in 50 ds. (Goodson-SC). 17860 "Palace" cd. in 40 ds. for 1 IRC. Also recvd. pennant and sticker. (Desrosiers-MA). 21620 f/d cd. in 21 ds. (Byron-NY). cd. in 21 ds. (Hoffmann-NY). 21515 cd. and sticker in 16 ds. (Semesky-IN). f/d "Tower" cd. in 1 mo. w/ station stickers. (Leal-ONT).

FRENCH GUIANA: FR3 3385 "Map" cd. in 31 ds. for a FR rpt. and 2 IRCs. (Toope-NFLD). in 6 wks. for 2 IRCs. (Kapinos-MA). in 40 ds. for a FR rpt. and 1 IRC. (Dittrich-FL).

GABON: RIVG 4777 "Map" cd. in 62 ds. for an EG/FR rpt. and 1 IRC. (Eckman-IL). in 197 ds. for 2 IRCs. (Moore-PA). in 42 ds. for 2 IRCs. (Blom-NY).



CANADA



GLEE TALE FEELING

via
Paul Kowalski

**CF
CN**

**RADIO
1060**

A large advertisement for Canadian radio. It features a central graphic of a maple leaf. Above the leaf, the word "CANADA" is written in a stylized, outlined font. Below the leaf, the phrase "GLEE TALE FEELING" is written in a similar stylized font. To the right of the leaf, there is a box containing the call letters "CF" and "CN" stacked vertically. Below this box, the text "RADIO 1060" is written in a bold, sans-serif font. Above the call letters, the text "via Paul Kowalski" is written in a smaller font.

HAP BID WINNERS: Tom Blossom(142), Steve Leite(148), Chris Leithner(111), Don Moore(98,99,100,161), Richard Pistek(108,140), Jim Douglass(160), Vlad Cucura(128), Bill Campbell(96,149,154), Lewis Parsell(134), Charles Connell(95,110,112,114,115,141,162), Frank Orcutt(94,113), Earl Higgins(123,144), Paul Lerner(122,150), Philip Morton(97), John Kapinos(131,137), Bob Tencate(124), David Stewart(119), Tom Semesky(101,103,107,109,117,126), John Walters(127,133,136,152,158,159), Bill Wild(138), Eric Cooper(120,143), Torey Malatia(121), Rich Eckman(139), Chicky(94), Kegel(93,132), and our big winner John Herkimer(102,104,105,106,116,118,145,146,147,153).....Thank you all gentlemen....Sam.

HAP BID ITEMS: # 206: Voice of Vietnam multi-colored cloth pennant!(5.5x10") beautiful looking! #207: NASMA cloth pennant!!! green and red,(5.5x7.5"). This is hand made by Walter Ditrich on a silk screen printing press! Thanks Walter. #208: Eesti Raadio Tallin cloth pennant!(4x8.5") gold,white and blue-a super beauty! #209: Radio Tallin DX Club cloth pennant!(4x8.5") white,black and red-just as nice as above! #210: Adventist World Radio (via Poonna,India) paper pennant!(4x10") white,yellow and blue-sharp looker! #211: NIRT-Radio Teheran paper pennant!(4x9.5") multi-colored, beautiful and rare! #212: Radio Anguilla large station decal!(3.5x12.5") orange,white and black. Station manager says that very few of these were ever printed!!! #213: Radio Peking station pin, gold and white. #214: Radio El Mundo(Argentina) decal (3x6") blue and white. #215: Radio Carve (Uruguay) decal. multi-colored. #216: Emisora Ondas del Valle(Colombia) multi-colored station decal-really sharp! #217: WOYE-FM(Puerto Rico) 2 different multi-colored station decals! A very nice addition to your collection! #218: Downtown Radio(Ireland) triangular decal-large, silver,red and brown. #219: European Music Radio (EMR) decal (3x14") blue and white. #220: European Music Radio (EMR) decal (2.5x15.5") red and white. #221: European Music Radio (EMR) decal (2.5x15.5")black,white. #222: Radio Andorre decal(2x10") red,white and yellow. #223: Voice of Free China-BCC cloth pennant for the NA Service, (5x8") red,white and blue. #224: WRAL T-Shirt(S) sleeveless, blue. #225: Radio Peking plastic pennant "Tien an Men" multi-colored-beautiful! #226: Radio Peking plastic pennant "Chingang Mountains" (5.5x10.5") multi-colored-beautiful! #227: Radio Peking plastic pennant"Mountain Village" (5.5x10.5") multi-colored-beautiful! #228: CBC "Festival" wall poster, (9.5x13") red,black and blue. #229: Deutsche Welle cloth pennant(6x13") blue and white. #230: Radio France International plastic beach bag(14.5x17") red,white and blue. #231: KEBC metal belt buckle!(2x3") really fine article! #232: KXL key chain (3.5") long. black. #233: Radio Guaiba(Brasil) station stickers, 2 different-really nice! #234: CFCO 1980 wall calendar (9x11.5"). #235: WMMR T-Shirt(L) w/ Winter Olympic logo on the reverse side-super beauty! #236: WMAQ T-Shirt(L) yellow and brown-very good looking! #237: CJCB T-Shirt(XL)red and yellow-very nice! #238: KWR(Guam) paper pennant,(@3x8") yellow colored. #239: KTRW(Guam) circular decal, red,white and blue. #240: Radio Sweden T-Shirt(S) blue and yellow - sharp looker! #241: Norfolk Island Broadcasting Service paper pennant! (VL2NI station) (@3x8.5") Very nice addition to your collection! #242: Radio Lombardia paper pennant(as received from Italy)(3.5x6") yellow and black. #243: WZND vintage 1972 and 1976 decals, 2 different,(3x11") and(3x4") red and white. #244: WZND station pens, red,white and black. #245: WZND cigarette lighter-pretty sharp. #246: Radio City-BBC-IBA, large decal(4.5x6") red,white and black. #247: KFMB "76 Radio" mount for a license plate(6.5x12.5") black and white. #248: Broadcasting Corporation of China very large desk plaque(4.5x11") gold and black. #249: Gamma Radio Milano(Italy) formerly a 48 mb Euro-pirate, multi-colored station decal(2.5x4.5") extra sharp! #250: HCJB paper pennant, yellow and black - extra good looking! #251: Station decals, 6 different- clearing out old stock.Hi! Includes the SBC-SRI, 7EX and 7ZR from Australia,WDRG,CFPL and KAFM. #252: KYW "Newsroom 1060" station pen, 2 tone red-very nice! #253: Radio France International plastic pennant(3.5x8") red,white and blue. #254: Radio France International sticker(3x8") multi-colored-very nice! #255: RAE(Argentina)cloth pennant(7x13.5") white and blue. #256: VVWI(Virgin Islands) large station pen filled with \$1000.00 in shredded currency-beauty! #257: Radio Andorre station decal(2.5x6.5")yellow,red and white. #258 Radio Wales sticker(2x8") multi-colored-super! #259: CKDM 1980 wall calendar. #260: RDF. de Pocos de Caldas(Brasil) sticker(2x6") multi-colored. #261: Radio Orebro(Sweden) large sticker(2x17.5") white and blue. #262: KIXI cigarette lighter, yellow, brown and green. #263: Capital Radio 194 circular station decal with a photo of a station personality on it, multi-colored. #264: Radio Nederland station decal in French,multi colored. #265: IBA station sticker, black and white. #266: Radio Bucharest station pin, multi-colored-a real beauty! #267: Radio Ulan Bator paper pennant(4x6")red,gold and blue. #268: Polskie Radio, 5 different "Coat of Arms" stickers,multi-colored. #269:Polskie Radio, 5 different "Scene" stickers, multi-colored(3x10.5"). #270: Polskie Radio, same as #269 except different scenes and size is(3.5x13"). #271: Adventist World Radio cloth pennant(4x7.5")silver,white and blue-beauty! #272: WHBO "Hot Stuff" jogging shorts(S) red and white. #273: Dutch pirate decals, 5 different, multi-colored-super neat!

NOTE: Don't forget to send all of your bids to our new address, that is....Sam Barto, 460 Emmett St., B-19, Bristol, Conn. 06010 USA.

HAP ITEMS FOR SALE: Since we are a little short on room, I'd like to add that we still have all of the stickers and decals listed for last month available for \$.25 each or 5 for a \$1.00. We also have a large supply of wall posters for sale. Be sure to check last months column for a complete listing....Sam.

JAVA: RRI Surakarta 4932 very friendly ltr. in EG(!) in 6 wks. for an IN rpt. and 1 IRC. Station was running 8kws. at the time of reception. (Klein-FL).

KENYA: Voice of Kenya 4915 via Nairobi f/d ltr. in 6 wks. for 1 IRC. (Lazarus-LA). 4915 and on 4934 via * Mombassa w/ f/d ltr. in 1 mo. for 1 IRC. v/s Indrajit Kaura who stated not to enclose IRCs! (Klein)

KIRGHIZ: R. Moscow via Frunze on 11820 f/d "Logo" cd. in 1 mo. (Orcutt-CA).

KOREA, PEOPLES REP: R. Pyongyang 9977 f/d "Opera" cd. in 91 ds. Also rcvd. pennant, pin & book. (Leite).

LAOS: Lao National Radio 7383 via Savannakhet n/d ltr. * in 9 wks. for an EG rpt. v/s Chaleune Vondsam-Ang. Director General. (Lobdell-MA)... Good QSL!

LATVIA: R. Riga 5935 f/d cd. in 108 ds. (Buer-FL).

LEBANON: La Voix du Liban 6550 f/d ltr. in 85 ds. for an EG rpt. and 2 IRCs. v/s Joseph El-Hachem, General Manager, (Hoffman-PA). in 45 ds. (Toope-NFLD).

* in 73 ds. for 2 IRCs. (Buer-FL). in 59 ds. for 1 IRC and ms. (Dittrich-FL). in 50 ds. for 2 IRCs. (Onken-IL). in 6 wks. (Field-MI). in 30 ds. for 1 IRC. Station said to write in any language - we will understand you! (Klein-FL)... Thank you Stu.

LIBERIA: VOA Monrovia 11835 f/d cd. in 45 ds. (Dittrich-FL). ELWA 11830 f/d "Drummer" cd. in 240 ds. for 3 IRCs. Station stickers rcvd. (Hughes-MAN).

MALAYSIA: Voice of Malaysia 15295 f/d cd. in 5 mo. for ms. (Lazarus-LA).

MALI: Rdf. Nationale 5995 yellow "Map" cd. in 2 mo. for a FR rpt. and 1 IRC. (Klein-FL).

MALTA: R. Mediterranean 9670 f/d ltr. in 65 ds. for an EG rpt. and 1 IRC. (Scott-ONT).

MANCHURIA: Heilongjiang PBS 4925 and 5950 via Harbin * f/d "River Bridge" cd. in 1 mo. (Klein-FL).

MAURITANIA: R. Mauritanie 4845 f/d "Logo and Map" cd. in 24 ds. for a FR rpt. and 2 IRCs. (Toope-NFLD). in 26 ds. for 1 IRC. (Scott-ONT). in 88 ds. for 2 IRCs. (Onken-IL).

MONACO: TWR 9495 f/d "Map" cd. in 16 ds. for 1 IRC. Rcvd. pennant. (Schukai-MO). in 35 ds. for 2 IRCs. (Hesch-NY). in 43 ds. w/ pennant for 2 IRCs. (Ossege-OH).

MONGOLIA: R. Ulan Bator 11855 f/d red/purple cd. w/ paper pennant in 3 mo. (Lobdell-MA)...

* Chris states that the letter came w/ 40¢ due on it. I have received many packages from Mongolia and I honestly can't recall seeing any postage on any of them. Its surprising because the US P.O. has never said a thing to me about postage due... Sam.

NEW BRITAIN: R. East New Britain 3385 f/d "Map" cd. in 2 mo. for 1 IRC. v/s Pearson Vetuna, Station Manager. Pennant rcvd. (Lazarus-LA). in 1 mo. for 1 IRC. (Moore-PA). in 3 mo. for 2 IRCs. (Plotnick-CT).

NEW CALEDONIA: FR3 7170 f/d form ltr. in 6 mo. for 2 IRCs. (Toope-NFLD).

NEWFOUNDLAND: CKZN 6160 f/d "St. Johns" cd. in 38 ds. for 1 IRC. v/s F.H. Holm, Regional Engr. (Newhall-CT). in 5½ mo. (Blom-NY). in 2 mo. (Leal-ONT).

NEW IRELAND: R. New Ireland 2428 nice 2 page personal ltr. in 40 ds. for ms. v/s Aloysius Rumina, Provincial Station Manager. Pennant rcvd. (Vranes-PA).

GOTT
NYTT
ÅR
TILLÖNSKAS
AV
LETTLANDS RADIO



syncom radio

the best
in pirate radio

weekends
on shortwave

international

48 m
SWBC

NEW ZEALAND: RNZ 15345 f/d "Farm and Mountain" cd. in 28 ds. for 1 IRC. (Scott-ONT)
 "Fishing" cd. in 14 ds. for 3 IRCs. (Semsky-IN).

NICARAGUA: La Voz de Nicaragua 5920 personal ltr. in 30 ds. for a SP
 rpt. pennant rcvd. v/s Juan Maltes, Pgm. Director. (Schukai).

NORWAY: R. Norway 9590 f/d "Winter" cd. in 25 ds. (Matt-
 hevs-OH). in 1 mo. w/ small flag for 2 IRCs.
 (Douglass-PA). 21730 f/d cd. in 7 wks. (Schukai
 -MO). in 1 mo. (Grishin-ONT). in 5 wks. (Barto-CT)
 17840 cd. in 8 ds. for 1 IRC. (Fraser-MA). 15175
 cd. in 50 ds. for 2 IRCs. (Vogelman-NY). in 59 ds.
 (Ossege-OH). in 52 ds. w/ small flag. (Goodwin-MI).

OMAN: R. Oman 11890 f/d "Al-Kamil" cd. in 90 ds. for an
 * EG rpt. and 3 IRCs. C/V # 140. (Vranes-PA).

PAPUA NEW GUINEA: R. Southern Highlands 3275 f/d "Map" cd.
 in 29 ds. for 1 IRC. (Moore-PA). R. Madang 3260 cd. in 1 mo.
 w/ sticker for 3 IRCs. (Orcutt-CA). NBC 4890 f/d "Map" cd.
 in 31 ds. (Bodek-NY). cds. in 31 ds. w/ pennant. (Danko-NJ).

PERU: R. Atlantida 4790 f/d ltr. and pennant in 18 ds. for 1 IRC.
 (Blom-NY). R. Imagen 5035 2 very friendly ltrs. in 2 mo. for a
 * SP rpt. Pennant was promised. v/s Jose Mesia Lopez, Gerente and
 Carlos Mesia Arevalo, Sub-Gerente. (Klein-FL). in 7 wks. via regis-
 tered mail for a SP rpt. and ms. (Lobdell-MA)... Great going guys.

PHILIPPINES: AFRTS 21670 via Poro f/d cd. in 10 ds. (Hoffmann-NY). FEBC
 17810 f/d "Native Hut" cd. in 67 ds. for 1 IRC. v/s Zenv Visca. (Schmidt-
 WI). in 50 ds. for 2 IRCs. (Algeri-PA). 11890 "Beach" cd. in 2 mo. for 1
 IRC. (O'Riordan-ID). 11765 cd. in 93 ds. w/ pennant for 2 IRCs. (Hughes-MAN).
 R. Veritas Asia 17790 f/d cd. in 71 ds. w/ pennant. v/s Ms. Larissa Paner
 Malinao, Audience Relations. (Eastman-TX). VOA Poro 17820 f/d cd. in 59 ds. w/
 site (after 3 tries) (Hoffman-PA). 17740 cd. in 49 ds. (Dittrich-FL).

POLAND: Polskie Radio 11815 f/d "Industrial" cd. in 48 ds. for 2 IRCs. (Douglass-PA).

PORTUGAL: R. Portugal 11925 f/d cd. in 33 ds. for 2 IRCs. (Douglass-PA). AWR via Sines
 on 9670 f/d "Winter Scene" cd. in 33 ds. for 2 IRCs. (Buer-FL).

ROMANIA: R. Bucharest 9510 f/d "Calimaresti Spa" cd. in 92 ds. (Byron-NY). 5990 cd. in 3
 mo. (Kapinos-MA). 9570 and 9690 2 different cds. in 3 1/2 mo. (Matthews-OH).

SABAH: R. Malaysia Sabah 4970 f/d "Map" cd. in 50 ds. for 1 IRC. (Toope-NFLD).

SARAWAK: R. Malaysia Sarawak f/d "Building" cd. in 32 ds. for 2 IRCs. (Toope-NFLD).

SAUDI ARABIA: BSKSA 1854 f/d cd. in 51 ds. (McClellan-MI). 11855 "Logo" cd. in 111 ds. (Sco-
 tt-ONT). 15060 cd. in 73 ds. (Ossege-OH). cd. in 290 ds. (Sbordone-FL).

SICILY: RAI 7175 via Caltanissetta f/d "Giorgione Painting" cd. in 6 mo. (Klein-FL). in 75 ds.
 * for 1 IRC. (Vranes-PA). "Il Pescatore" cd. in 130 ds. for 1 IRC. (Sbordone-FL).

SINGAPORE: R. Singapore 5052 f/d "Singapore by Night" cd. in 4 mo. (O'Riordan-ID). 5010, 5052
 and 11940 f/d cd. in 3 1/2 mo. for 1 IRC. (Toope-NFLD). BBC 9740 n/d cd. in 72 ds. (Douglass)

SOLOMON ISLANDS: SIBC 5020 f/d cd. in 2 1/2 wks. for 2 IRCs. (O'Riordan-ID). in 22 ds. for 1
 IRC. (Dittrich-FL).

SOUTH AFRICA: R.
 RSA 15220 cd.
 in 25 ds.
 (Goodson-SC).
 11900 f/d cd.
 in 20 ds. w/
 pennant for
 2 IRCs. (Sem-
 esky-IN). in
 30 ds. (Hoff-
 mann-NY).



A voz mais potente do Brasil!

Propriedade da Empresa JORNAL DO COMERCIO S.A. - Recife - Pernambuco - Brasil
 Rua do Imperador 346 - Telex: 301-848

Confirming the report of **Mr. Alex Vranes Jr.**

On our station **ZYK-2** the S.Wave on **6085** KHz **49** m
 Transmitters: Marconi SWB 10, input 16 to 25 kw high level plate
 modulation Date: 13/01/1979 Time: 09.02 GMT.

Antennas 258° Beverage arrays for 19-25-31 and 49m

TKS FOR RPT ES QSL

MNI 73'S ES BEST DX

Chief Engineer Trans.Plant.

Rádio JORNAL DO COMERCIO

Artur S. Miranda.

Artur S. Miranda



SPAIN: REE 15365 f/d cd. in 1 mo. w/ blue pennant. (O'Riordan-ID). 9630 "Alcazar de Segovia" cd. in 7 wks. (Matthews-OH). 11880 "Islas Baleares" cd. w/ sticker and pennant in 28 ds. (Douglass-PA). in 34 ds. (Goodson-SC). 9630 "San Clemente de Tahull" cd. in 28 ds. (Semsky-IN).

SRI LANKA: AWR 15425 and 15120 f/d cds. in 1 mo. for 3 IRCs. Also rcvd. 30th Anniversary pennant and stamps. (Matthews-OH).

SUMATRA: RRI Tanjungkarang 4003 f/d ltr. in EG in * 55 ds. for an IN/EG rpt. and 2 IRCs. v/s U. Hamdan Syahbeni, Station Manager. (Vranes-PA).

SWAZILAND: TWR 9640 f/d "Warrior" cd. in 33 ds. for 2 IRCs. (Blom-NY). in 5 wks. for 3 IRCs. (Krause-MN). 11760 in 43 ds. for 2 IRCs. (Kunz-PA). 4790 cd. in 1 mo. for 1 IRC. (Reitz-KY). 5055 cd. in 30 ds. for 1 IRC. (Vogelman-NX). 15150 cd. in 44 ds. for 2 IRCs. (Hughes-MAN). Swazi Commercial Radio 4980 "Village" cd. in 28 ds. for ms. (Douglass-PA).

SWEDEN: R. Sweden 11905 f/d "Map" cd. in 36 ds. for 2 IRCs. (Douglass-PA). 9695 cd. in 28 ds. (Baxter-KS). 11705 "Facts about Sweden" cd. in 24 ds.

This is a self-addressed and fill out yourself cd. (Hoffmann-NY).

SWITZERLAND: Swiss Radio International 11715 cd. in 75 ds. (Goodson-SC). f/d cd. in 60 ds. v/s M. Chisholm. (Hoffmann-NY).

TADZHIK: R. Moscow via Dushanbe on 17730 f/d cd. in 50 ds. (Vranes-PA). 17730 and 17765 f/d * cd. in 4 mo. Cds. were returned for the addition of the sites. (Klein-FL).

TAHITI: FR3 15170 f/d "Polynesian Girl" cd. in 34 ds. for 1 IRC. (Calderwood-CO). in 30 ds. (Leal-ONT). in 33 ds. for 3 IRCs. (Leite-MA). in 1 mo. for a FR rpt. (Porter-CT). f/d cd. in 31 ds. (McClellan-MI).

TAIWAN: Voice of Free China 11745 f/d "Horse" cd. in 30 ds. w/ sticker. (Leite-MA). 15345 cd. in 31 ds. (Toope-NFLD). 15270 cd. w/ pennant in 18 ds. (Krause-MN). in 28 ds. (Hughes-MAN).

TANGIER: VOA Tanger 15205 f/d cd. in 11 ds. (Goodson-SC).

TANZANIA: R. Tanzania 15435 yellow and white cd. in 39 ds. for 3 IRCs. (Hensley-TX).

TOGO: R. Togo 5047 f/d "World Map" cd. in 2½ mo. for a FR rpt. and 3 IRCs. (Matthews-OH). in 10 wks. for 2 IRCs. (O'Riordan-ID). in 38 ds. for 2 IRCs. (Algeri-PA). in 44 ds. for an EG rpt. and 2 IRCs. v/s Francais Anglair. (Leite-MA).

TUNISIA: RTVF 15225 f/d "Hotel El Hana" cd. in 96 ds. for 1 IRC. (Hughes).

TURKEY: Voice of Turkey 9515 "Moon and Scissors" cd. in 99 ds. w/ pennant. (Eckman-IL). ltr. in 80 ds. (Goodson-SC).

11955 "Turkish Humor" cd. in 38 ds. (Hoffmann-NY). "Moonrider" cd. in 130 ds. for 1 IRC. Also rcvd. sticker & pennant. (Calderwood-CO).

UGANDA: UBC 15325 f/d cd. in 424 ds. for 1 IRC. v/s David R. Buga. (Newhall-CT).

UKRAINIAN SSR: R. Moscow via Kiev on 7230 f/d cd. in 67 ds. (Buer-FL). via Vinnitsa on 17710 cd. in 4 mo. (Klein-FL). 15135 cd. in 38 ds. (Plotnick-CT). 7215, 12060 and 11980 cd. in 67 ds. (Buer-FL). via Simferopol on 17810 & via Lvov on 7150 w/ cds. in 67 ds. (Buer-FL).

UNITED ARAB EMIRATES (Dubai): R. and Colour TV Dubai 21500 cd. &

* ltr. in 23 ds. for an EG rpt. and 2 IRCs. v/s Harold Robin, Chief Engineer. (Hoffman-PA).

USA: AFRTS 15330 via Bethany f/d cd. in 17 ds. (Semsky-IN). 11790 cd. in 31 ds. (Goodson-SC). WJNB 15185 cd. in 23 ds. (Goodson-SC). WYFR 9605 cd. in 40 ds. (Goodson-SC). 11805 f/d cd. in 1 mo. (Moore-PA).

* R. Syncom 48 6225 f/d diploma w/ Skylab photo in 3 wks. for a phone call to the FRC in PA. (Lobdell-MA). VOA 15150 cd. in 24 ds. (Goodson-SC). 5995 cd. in 29 ds. (Haysbrook-UT). WWV 15000 cd. in 11 ds. (Goodson-SC). 2500 f/d "Logo" cd. in 11 ds. v/s John B. Milton, Chief Engineer. (Semsky-IN). United Nations Radio 15410 cd. in 30 ds. (Goodson-SC). 21670 * cd. in 68 ds. (Schmidt-WI). R. Moonshine 7371 cd. in 3 wks. (Williams-MN).

USSR: R. Moscow 9500 and 9680 cd. in 50 ds. (Goodson-SC). 9490 cd. in 80 ds. (Byron-NY). 9610 cd. in 54 ds. (Fraser-MA). R. Peace and Progress 15175 f/d orange "Logo" cd. in 2 mo. (Reitz-KY)...Ask for those sites fellas.

UZBEK: R. Tashkent 6025 f/d cd. in 99 ds. (Scott-ONT).

VATICAN: R. Vatican 6015 f/d "Leo XII Tower" cd. in 19 ds. (Moore-PA).

VENEZUELA: YVTO 6100 f/d "Juan Manuel Cagial" cd. in 26 ds. (Myers-AZ). Ecos del Torbes * 4980 f/d ltr. in 2 mo. for a SP rpt. and 1 IRC. (Leal-ONT). R. Maturin 5040 cd. in 38 ds. for a SP rpt. and ms. (Ossege-OH).

Mr. Daniel J. Prisco
We are pleased to verify your report on the reception of Radio Japan's broadcasts. Your report on our Special Test Transmissions using the facilities at Sines - Portugal - has been confirmed as follows :

Date (1978)	Time (GMT)	Frequencies (MHz)	Meters
June 25-July 22	07:00-07:30	9685	31
	22:00-22:30	9670	31

We appreciate your interest. It will surely help our future efforts to improve our broadcasts. Thank you again.

RADIO JAPAN

NIPPON HOSO KYOKAI Japan Broadcasting Corporation, Tokyo, Japan

IBRA

REACHING OUT
TO THE MILLIONS

INTERNATIONAL
BROADCASTING
ASSOCIATION

VIETNAM: Voice of Vietnam 15012 paper cd. in 6 mo. w/ pennant. (Lp:ic-w-MA).

WEST BERLIN: RIAS 5005 "Studio Building" cd. in 6 wks. for 2 IRCs. (Lobdell-MA).

WEST IRLAN: RRI Sorong 4875 f/d cd. and a note in EG in 145 ds. for an IN rpt. and Ms. v/s A.F.C.

* Usmanny, Direktorat. (Vranes-PA). RRI Wamena 5043 f/d ltr. in IN for an IN rpt. in 30 ds. Station also enclosed a photo of local natives v/s Nenobais Imanuel BA. My INDO #60. Station actually used my ms. (Henderson-MD).

ZIMBABWE-RHODESIA: ZRBC 3396 f/d large "Map" cd. in 2 mo. for 1 IRC. (Reitz-KY). 3306 w/ cd. in 42 ds. for 3 IRCs. (Hensley-TX).

HAP THANKS: I'd like to thank the following people for contribution pennants, stickers, decals, T-Shirts and other items to this years HAP fund raiser. Alberto Pelaez M., Ted Ossege, Paul Kowalski, Ron Carbis, John Fisher, Gerry Bishop, Alex Vranes, Joe Barr, Bob Fraser, John Schmidt, Brandon Jordan, John Tuchscherer, Lou Labiaux, Terry Klasek, John Garcia, Ralf Munster, Jim Dunlop and Tom Haskett.... Thank you all gentlemen...Sam.

PERU NOTE: The following is an excerpt from a letter received from Kevin Meyer in Peru.

It may prove very helpful to some of our readers: I found the following address in the Lima phone book. It is a general Lima address for most outside of Lima radio stations. If the address of a station is not known or is dubious, the report might as well be sent to it.

I was in the post office a few weeks ago with my summer

job - in the sorting area. I'm not surprised

that many letters never reach their destinations.

All of the mail is sorted

by hand. This amounts to over

4 million letters per year. The

address is: 575 F. Masias, Lima

7, Peru.

Address your letter to the station

you need. The "Lima 7" is very important,

as there are several "E. Masias" streets in Lima....Thank you Kevin...Sam.

NOTE: Stu Klein has noted that the XIZANG PBS is in Lhasa, Tibet while the XINJIANG PBS is in Urumqui, China. When reporting to the column please list your Tibetan and Manchurian QSLs separate from China. With hundreds of reports to sort each month, these stations are sometimes overlooked and get placed under the wrong country heading. Also please separate your Russian QSL sites by the NASWA country list. Try not to list them under the general heading of USSR. Only report those sites which are listed on your QSL cards. Do not report the Plovdiv site from Bulgaria unless it was written on your QSL. Most importantly, please write your last name and State and/or Province after each item.

EDITORS NOTE: After Ecuador and Scotland last month, I'm sure glad that April Fools Day is over. Can't offer any excuses except that I didn't edit the column as well as I should of done. I guess this type of activity goes with the territory. With this in mind, I am claiming the Ralph Jensen Award for Editorial Merit for the month of April. Beat that Terry. Sometimes we have to laugh at ourselves or we will go completely nuts. Hi.



Die Stimme der Deutschen Demokratischen Republik
La Voix de la République Démocratique Allemande
The Voice of the German Democratic Republic
La Voz de la Republica Democratica Alemana
Sauti ya Jamhuri ya Kidemokrasia ya Ujerumani
Voce della Repubblica Democratica Tedesca
Den Tyske Demokratiske Republiks Stemme
A Voz da Republica Democrática Alemã
صوت جمهورية ألمانيا الديمقراطية
Tyska Demokratiska Republikens
Internationella Sändningar

Ἡ φωνὴ τῆς Γερμανικῆς
Δημοκρατικῆς Δημοκρατίας
गणतन्त्र की आवाज
जर्मन डेमोक्रेसी



73.3

Sam Barts



naswa AWARDS reports

7921 Anfred Drive
Laurel, Maryland 20810

May, 1980

The following report gives all awards issued during the period 1 January 1980 through 31 March 1980. All awards are listed in chronological order of issue.

EUROPEAN CONTINENTAL DXER

Alan R. Plotnick
David Reitz
Gerald L. Clark
Kevin Brown
Robert C. Pearson
Norman H. Newhall
Michael D. House
David A. Timmer
Kunihiro Kasuga
Duane Sears
David Sedgeley
Bob Holmes

EUROPEAN CONTINENTAL DXPERT

Albert A. Miller
Paul Buer

SOUTH AMERICAN CONTINENTAL DXER

J. Roland Desrosiers
S. David Klein
Paul Buer

SOUTH AMERICAN CONTINENTAL DXPERT

Albert A. Miller

NORTH AMERICAN CONTINENTAL DXER

Jon M. Kapinos
Kevin Mikell

NORTH AMERICAN CONTINENTAL DXPERT

Albert A. Miller
John Moritz
Bill Whitacre

DXER DE PACIFICA

Majorie Oakley
Charles Connell
Masuki Oda

ASIAN CONTINENTAL DXER

Frank Orcutt
Alan R. Plotnick
John C. Onken

ASIAN CONTINENTAL DXPERT

Albert A. Miller
Nobuaki Takahashi

WORLD WIDE DXER

Henry Ward
Gene Eastman
Alan R. Plotnick
David Reitz
Gerald L. Clark
Kevin Meyer
James C. Trame
Norman H. Newhall
Craig Ethen
Nobuaki Takahashi
Kunihiro Kasuga
William L. Van Stralen
Paul A. Dierks

DX CENTURION

Alan R. Plotnick
Nobuaki Takahashi
H. J. Ackermann
Kevin Mikell

SENIOR DX CENTURION

Nobuaki Takahashi

QRP DXER

John Moritz--10 kw
Jerry Berg--2 Kw
Al Sizer--2 Kw
J. Roland Desrosiers--25 Kw
Dan Robinson--2 Kw

SOVIET SPHERE DXER

Alan R. Plotnick
Paul Buer
Frank F. Orcutt

MASTER SOVIET SPHERE DXER

Albert A. Miller
ECCLESIASTIC DXER

Kevin Meyer
Walter F. Kunz
Kunihiro Kasuga

VOA DXER

Paul A. Dierks
Walter F. Kunz
Morton S. Ronick

SENIOR BRITISH COMMONWEALTH DXER

Nobuaki Takahashi
Paul Buer

SENIOR ECCLESIASTIC DXER

Albert A. Miller
S. David Klein
J. Roland Desrosiers

ARAB WORLD DXER

Alan R. Plotnick
John Onken

SENIOR PAPUA NEW GUINEA DXER

Kevin Meyer

Well, that's all for this month. Sorry for the delay in getting some of the awards out. Work QRM'd again!!! Surely hoped you DXers caught the fantastic conditions through the month of March! Many new stations and countries heard here! Also, I do hope that more of you will take advantage of some of the 'Speciality' awards (Portugal, French, etc) that are available. Some of them haven't been issued in over a year or two now. Let's get on the stick. I'll see if I can't get the awards out sooner too-----till next time, 73, Dan Henderson

update

May 1980***Number 66

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111 USA
(816) 951-5943 2330-0300 GMT only!!!

UPCOMING DEADLINES: 12 May (Mid-May) 24 May (June) 11 June (Mid-June)

Reproduction permitted provided credit is given the original reporter and NASWA UPDATE.
Dates, times and days are GMT; freqs are kHz.

ANGOLA R. Nac., 3375, in PT 2310; deep voiced M anncr // 4820. (Don Moore, PA)+++R. Nac., 4820, tentative in PT 2216; MoR mx and W anncr. (Moore, PA)+++ER Moxico, 5191, tentative in believed PT 2235; non-stop highlife and drum mx. (Moore, PA)

AUSTRALIA RA, 15145, in EG 0840; booming in as are the other Australians these days. (Maxfield Greenwood, PA)

BRAZIL R. Taubate, 4925, in PT 2333; M DJ, Brazilian pop mx, jingle ID. (Moore, PA)***Don, are you sure about this? The only Brazilian reported here lately is Dragao do Mar which seems to specialize in jingle IDs. tba***R. Capixaba, 4935, in PT 2340; EG pop mx, M anncr w/ ads and ID 0002. Very clear and strong--a real surprise. (Moore, PA)+++R. Cult. Campos, 4955, in PT 2320; M anncr and ballad mx. ID 2337. (Moore, PA)+++R. Excelsior, 9585, in PT 0830; M anncr, ID, TC, ads and usual PT pops. Am reminded of an old Bullwinkle bit on "excelsior." (Stu Klein, FL)***I do, too. tba

CAMEROONS Balfoussam, 4000, in FR 2228; highlife mx, M anncr and anthem to 2232*. Tentative due to ARO QRM. (Moore, PA)***I have better luck w/ this one around 0500. tba***Garoua, 5010, on late Easter Eve at 0205 w/ M anncr in FR, African rhythms and mention of Garoua. (Neal Perdue, AL)

CANADA CFCX, 6005, in EG 0650-0705; talks by two M, MoR mx, TC for 1 a.m., and local nx. (Perdue, AL)

CHINA Heilongjiang PBS, 4925//5950, in CH 1130; M anncr w/ short talk and into nice local mx. Fair on 60m and good on 49. (Klein, FL)+++RP, 15125, in EG *0830; usual nx and comment. (Maxfield Greenwood, PA)+++From Stu Klein come the following logs of various PRC stns:

7025 FFBS2 1030 in CH. 6955 Peking in CH or KR 1040; 6620 Zhejiang PBS (Hangzhou) in CH 1045. 6974 Nei Menggu PBS (presume Hohhot) in CH 1050. 6764 FFBS1 in CH 1035. 4970 Xinjiang PBS (Urumqi) // 5440 at 1125, not in CH. 4990 Hunan PBS (Changsha) in CH 1115. 5970 Gansu PBS 1140 (Lanzhou) next door to much better RP KR on 5975. 6200 CPBS Peking 1150. (Klein, FL)

CONGO Brazzaville, 3265, believed the one here at 0415 in FR. Disco rhythms, M DJ and covered by huge UTE (undoubtedly coming from the next apartment . . . hi). Have also heard Maputo here in PT (see below) w/ different format and sound. (tba)

COSTA RICA R. Noticias del Cont., 9615, in SP 1400. M anncr w/ ID over the guitars. Somewhat unusual time. (Klein, FL)

DOMINICAN REP. R. Mil, 4930, back and strong every evening to 0400v*. Usual format and nice to hear again. (tba)---R. Mil noted at 0000 w/ pop and ballad mx, fast-talking anncr, ID, TC, freqs, mx and "R. Mil Informando." (Klein, FL)---R. Mil noted as early as 2350 w/ rapid chatter by M, bouncy LA mx and ballads. IDs as "R. Mil" and "R. Mil, La Primera." Still strong at 0330 recheck. (Perdue, AL)

ECUADOR R. Pastaza, 3315, in SP 0345; ads, ID and TC. My first log of this. (tba)

GUATEMALA Union R., 5978, being wholly butchered by RSA on 5980 at 0430. Can take care of BBC 5975 but not the African! (Jim Conrad, IA)

GUYANA GBS, 3285, in EG 0353; nice pgm called "Good Time Sounds." Vy nice format of big band w/ W DJ. Nice listening to Glenn Miller. (tba)

INDONESIA RRI, 6207, in Indo 1027; M anncr, local mx. (Don Moore, PA)***A comment is in order about this one. I've had reports from various people calling this one Padang, Biak and Jayapura. While it is almost certainly an Indonesian, the site is very much in doubt at this time. Further checks are in order to get it. tba

*****JORDAN** HKBS, 7155, in AR *0328-0402; 10-note IS, M anncr in AR, ID per WRTH and into unaccompanied Koran readings. ID and nx 0400. Fair over jammer. Also good at 2330* w/ NA. (Terry Krueger, FL 4-12)---Same at 0327 w/ horn IS followed by gong, pips to 0330, M anncr, mentions of Amman and Hashemite. Very poor and surrounded by jammers. Tnx Krueger. (Klein FL)***Haven't heard this one in some years. tba

*****LIBERIA** ELWA, 4770, on very early on night of coup toppling Tolbert government. Noted 0330+ w/ 12-15 minute intervals of light classical mx (e.g., "Perpetuum Mobile," March from "Suite for the Love of Three Oranges.") and anncmts by M w/ orders and directions. Anncmts told civilians to go abt normal business and ordered pay raises for aremd forces, police and civil servants. Requested former government officials to turn themselves in and directed closing of borders to prevent their escape. Warnings to citizens against loafing and looting. IDs for ELWA at beginning and end of eah anncmt. Very strong and no //s noted. (tba)

- +++ELWA, 11930, w/ multi-lang ID loop 0623. Into AR 0628 (listed s/on 0630). Someone's watch must be fast. (Conrad, IA)
- MALAYSIA RMS, 4950, in EG tentative at 1112; comment by M. (Moore, PA) +++ R. Malaysia, 15295, in lang 0910; m&w talking to 1001*. Frequent mentions of Iranian situation. No IS 0930 or anything at s/off but frequent IDs as "Inilah Suara Malaysia." Also noted ballad style mx. Is this 500kw? (Greenwood, PA)
- MONACO TWR, 9495 NF, at *0625; good sigs and into EG religious pgms. Anncing freq as 9500 but other observations confirm it as 9495. (Greenwood, PA)
- MOZAMBIQUE Maputo, 3265, in PT 0431; nx of crisis in Chad. (tba)
- NIGERIA Lagos, 15120, in EG 0830. From AR to EG 0830 and commentary followed. Poor but have heard it at much better levels. (Greenwood, PA)
- ***OMAN R. Oman, 11890, in AR 2010-2117*; fair under jammer w/ AR nx. "Izaat al-Oman-iyah min Muscat." Local mx. Off after NA by M choir. An hour later than past logs. (Krueger, FL 4-9)
- PAKISTAN RP, 21590, in EG 0230; dictation speed nx. (Moore, PA)
- PERU R. Imagen, 5039, in SP 0520-55; first evening log of this. Different format of EG pops, many IDs and Tarapoto store ads. Good. (Krueger, FL 4-3)***Still eluding me. tba
- PORTUGAL IRBA, 9670, in EG 2045; "Revival Time." (Moore, PA)
- ***QATAR QBS, 9570, tentative in AR 2020; chanting mx to 2030 and anncmts by M. RFE co-channel QRM. (Moore, PA)
- SAUDI ARABIA BSKSA, 11853v, in AR 2034-2100; anncr w/ voice like Willis Conover's speaking into a mike in another room w/ door closed between them. ID on hour. (Conrad, IA)
- SEYCHELLES FEBA, 15315 NF, in AR *0340; IS and into AR pgms. (Greenwood, PA)
- SINGAPORE BBC Kranji, 9740, in EG 1130; chimes and what not. Usual BBC fare. (Greenwood, PA)
- SOLOMON IS SIBS, 5020, in EG 1010+. Poor-fair w/ island mx and EG ID. (Greenwood, PA)
- SOMALIA Mogadischu, 9585, tentative in AR or similar 1910. Anncmts by M, AR mx and mention of Mogadischu. (Moore, PA)
- TAIWAN VoFC, 11745, in Mandarin 0900; fairly good the only problem being a weak signal. (Conrad, IA)
- TANZANIA Rt, 9685, in EG 1930; m&w talking abt development. African mx, disco mx and ID. (Moore, PA)
- UPPER VOLTA RITV, 4815, in FR 2255; local mx, W anncr, and ID. (Moore, PA)
- USA (PIRATE) R. Clandestine, 6140, in EG 2153; R.F. Burns the DJ w/ pgm of pop mx. Joke ads, and IDs. Claims QTH is in International waters. Very professional sound. (Moore, PA)
- USSR RM SP to LAM via Voronezh, 9675, fair at 0141. Site per UHN. (tba)+++ RM WS via Omsk, 17765, very poor at 0439. (tba) +++ RM via Kingisepp, 17865, in Afr lang after IS 1700. Fair. (tba)***All of the foregoing sites via UHN. tba
- VENEZUELA R. Mara, 3275, in SP 0337; vocals by Maria somebody, TC and ID. (tba)+++ R. Impacto, 3355, in SP 0325. Latni vocals by 2 M. TGS two minutes slow and ID as part of TC at 0342. (tba) +++Ecos del Torbes, 4980, in SP 1005. Really booming in. Usual format. (Greenwood, PA)

Rather a short issue marking the start of the summer lull. Don't give up on the bands because of high QRN. If you can cut through it, there is often great DX to be had!

Best of 73,

Tom

FOR SALE: Radio West FRG-7000 with 2.9 kHz Collins filter with extra stage of gain. Less than 1 year old. \$580.00. Also Heathkit VOM Model MF-1 and Heathkit 1G-102 RF generator. Best offer. James C. Hartung, 601 Rowe Drive, Aberdeen, MD 21001. Phone (301) 272-2833.

FOR SALE: Gilfer M-1 Antenna Tuner, like new. 2-30 MHz 5 impedance positions, 10 coil tap positions, output and input tuning. Two antenna connections: RCA and longwire. With original carton and instructions, \$25.00. Also a Goldline GLC-1053 antenna tuner, 3-30 MHz, S-P switch, tuner, coil adjustment. Excellent condition. \$5.00 with instructions. Certified check or money order. I pay shipping. Kenny Johns, 50 Currie, Jackson, TN 38301. Phone (901) 423-2366 from 0200 to 0400 GMT. No collect calls.

FOR SALE: Lafayette SW radio Model HA-600A. Excellent condition. \$100.00 or best offer. Wired for Mattis Digital read-out. Jim Beirs, 1011 N. Washington, Wheaton, IL 60187. Phone (312) 690-1855 after 6 pm, not collect.

log report section

1600-4899



TERRY KRUEGER

As summer nears this section shortens slightly. Most interesting things the past few weeks were a Good Friday-only appearance of R San Isidro and ELWA broadcasting all night after the revolution, both in this column. A couple contributors sent in full details of recent DXpeditions. Unfortunately, due to LR-A space limitations, I couldn't include all the info. I suggest those conducting such ventures instead send in an article to SWC. Also, PLEASE don't send items any smaller than 2 cm wide; I cannot process anything smaller and they end up in the can. Condor-6243 QSL at 100w in last week!

- 2120H MEXICO XREP R Educacion; 0300 SP, various mx, 2x1060 (George) I too have noted this when checking for the reported Dominican harmonic, TK
- 2300 KOREA, N. Hyesan; KR 1240, marches, M vocal, f (Bryan)
- 2340 CHINA Fuzhou; CH, 1318, CH clsel mx, g (Bryan)
- 2370 FALKLAND IS. FTBS; 0140 EG, BBC bells, pop mx, nx, f (Witte 4-2)
2320 poor here near Perth, EG BBC report, mx, LA's also in this time and tentative w/ no ID (Hart-AUSTRALIA) weird time for them, no?...TK
- 2390 GUATEMALA LV de Atitlan; 1105 SP, ID by M, marimbas, vg (McCoy)
- 2390 MEXICO R Huayacocotla; 0120 SP, W ID, ranchera mx, f (McCoy)
- 2428 PAPUA NEW GUINEA R New Ireland; 1113 PD M tik, p (Sbordone 4-2)
- 2493 INDONESIA RRI-Mataram; 1030-1200 mx and IN ID, g (Hart-AUSTRALIA)
- 2510 KOREA, S. Daegu; KR 1307, "Sound-of-Mx" W vocal, M&W, f (Bryan)
- 2775 GERMANY, W. DAO; 0005-0006* time signals, SSB xmsn, f (Johnston)
- 2977T BORNEO RPDDT2-Bulungan; IN 1400, same as 3215-Menado, M, s/off; couldn't get ID (Bryan 3-10) RPDT runs parallel to RRI?... TK
- 3031 KOREA, N. Wonsan; 1031 KR M&W, EzL military mx, f (Bryan)
- 3056T JAVA RPDDT2-Sampang; IN M 1339, IN mx, f (Bryan)
- *3120T TIMOR RRI-Dili; 1400-1415 IN, instr mx, M nx, choral, ute (Bryan)
- 3200 SWAZILAND TWR; 0311 Tswana M sermon, f (Bryan)
- 3205 JAVA RRI-Bandung; 1159 IN, clear ments of Bandung, nx (Sherman)
- 3205 PAPUA NEW GUINEA R E. Sepik; 1002-1230 PD DJ, C&W/pops, ads, island mx, ID and TCGs (Nikolich, McCoy, Moore, Sbordone, Poppin, Gunningham)
- 3209 MOZAMBIQUE RM; 0331 soul mx, PT M, local mx, p (Bryan)
- 3220 PAPUA NEW GUINEA R Morobe; 1158 PD M, nx, TC, ID (Radcliff)
- 3232 SUMATRA RRI-BUKittinggi; 1300-1432 IN, chorus, NA, chants, ment of "berita Jakarta", ID (Poppin, Bryan, Behr)
- 3240 SWAZILAND TWR; 0319 Zulu rel. mx, M talk, f (Bryan)
- 3245 BRAZIL R Clube de Varginha; 0000 PT, pops, few IDs, ads (Meyer-PERU)
- 3250 S. AFRICA R Five; 0303-0414 EG/AK, ads, ID, pop mx, ute QRM (Bryan, Johnston, Braga)
- 3255 LIBERIA ELBC; old friend back here w/ nx 2300, TC for 11 o'clock, drums, M "station ELBC Monrovia" and pops, NA (Robinson) tnx D. Robinson, 2345 pop mx, ID, s/off, TC as midnight, anthem and off around 2402; g (Hauser) 2240 nx in EG, Afro mx, mx (Schipelliti)
- 3259 JAPAN NHK-Sendai; 1054 JP M&W conversation, f (Bryan) 1034 JP W talking on phone, 1100 NHK ID, radio drama, ballads (Howard)
- 3260 PAPUA NEW GUINEA R Mandang; 0958 PD M&W, ID 1000 (Moore) 1130 PD talk by M, f (Sbordone)
- 3265 BRAZIL R Cultura; 0005-0025 PT M, ranchera/accordion mx, M ID 0025 Tough RTTY de 3268 (Perdue)
- 3265 SULAWESI RRI-Gorontalo; 1236-1248 IN, vocals, M ID (Poppin)
- 3270 INDONESIA Unid RRI, M IN, mx, poor 2320 (Hart-AUSTRALIA)
- 3275 PAPUA NEW GUINEA R S. Highlands; 1211 PD M, island mx, p (McCoy) 1122 some local mx, quick fade (Nikolich)
- 3275 SWAZILAND TWR; 0337 Shangaan rel. mx, hymns in EG, p (Bryan)
- 3276 JAVA RRI-Jakarta; 1317, references to Bandung, W menting "R Jakarta" followed by M; continuous vocals, 1359 pips, W ID, talk (Poppin)
- 3280 ECUADOR LV del Napo; 0030 SP, LA pops, ads, ID (Meyer-PERU) 1045 to 1115 LA mx, SP ID, Andean mx (Radcliff, Wallace)
- 3281 INDONESIA Unid 2325, IN W, no ID, xint (Hart-AUSTRALIA)
- 3285 BELIZE RB; 0100-0415, EG/SP M, nx, IDs, pop mx, TCGs (7 reporters)
- 3285 PERU R Oriente; off air recently; gov't didn't know, of course. Who knows? (Meyer-PERU)
- 3295 BRAZIL R Iguatemi; 0030-0045 two PT M, accordion/LA mx, solid ID 0035 stressing second syllable (Perdue)
- 3300 GUATEMALA TWNC; 0300-0430 EG religious pgming (8 reporters)

- 3306 ZIMBABWE ZBC; 0408 EG nx menting local strikes, ID (Braga)
- *3310 BOLIVIA R San Miguel; 0035 SP, clear ID by M, US EzL mx, comunicados pgm, no QRM at all! (Meyer-PERU)
- 3315 ECUADOR R Pastaza; 0404* SP M clear ID, s/off amnts, NA. Over S-9 and taped (Sherman 3-20) 0045 (Meyer-PERU)
- 3322 PAPUA NEW GUINEA R N. Solomons; 1143 PD M, TC, C&W and US pop mx (Cucura 3-12) island mx, nx 1100 in vernac. (Greenwood 3-19)
- 3325 GUATEMALA R Maya; 1048 sick sounding band mx, ID in lang (McClellan)
- 3326 NIGERIA FRC-Lagos; 2250-2256 EG, US/Afro pops, W ancr, QRM de CHU (Saunders 3-31)
- 3335 PAPUA NEW GUINEA R E. Sepik; 1000-1355 EG/PD IDs, TCs, island and C&W mx, ads, W (10 reporters)
- 3330 PERU Ondas de Hualaga; 0022 SP, slow criollo mx, W ID/TC (Meyer)
- 3338 MOZAMBIQUE RM; 0353, positive, clear xylophone IS, multi-lang ID between IS, then silence (different Sun. sked?) (Howard)
- 3345 MOLUCCAS RRI-Ternate; 1120-1400 IN W, ID, SCI, nx, local and band mx, chorus NA, 1415* (Behr, Poppin, Nikolich)
- 3350 GHANA GBC-1 Ejura; 2257-2307* vernacs, choir mx, ID, NA (Saunders)
- 3355 ANGOLA R Nacional; 2255 // 3375 Afro mx, both the usual good level in Western Australia, (Hart-AUSTRALIA)
- 3360 GUATEMALA LV de Nahuala; 0431 SP M ID, local mx, f (Bryan)
- 3360 PAPUA NEW GUINEA R Milne Bay; 1117, PD M, flute mx (Nikolich)
- 3366 GHANA GBC-Accra; soul mx 2210, // good 4915 (Greenwood)
- 3370 INDONESIA RRI unid, M IN, similar to DUDX DU Survey unid (Hart-AUSTRALIA)
- 3370 UNID 0834-0915 piano and organ mx, extremely short talk by M at 0845 in either SP or PT into nonstop instr mx (Radcliff 3-22)
- 3374 SUMATRA RRI-Jambi; 1408-1416 IN M nx 1414+, fast NA and partial ID followed by talk into 1416 (Poppin 4-3)
- 3375 ANGOLA R Nacional; 2335 PT children's songs, W (Yajko) why not Brazil? since no ID?... TK 2310 PT deep voiced M, ID // 4820 (Moore)
- 3377 JAPAN NHK-Osaka; 1030-1100 "EG Hour" w/ interview w/ JP YL who had visited US; 10.46 listeners letters answered, address, tlk on flight contrls (Howard) 10.46?... TK
- 3380 GUATEMALA R Ghortis; 0235 SP ID, M singing, exited tlk (Moman)
- 3380 ECUADOR R Iris; 0106-0410 SP, ID, M vocals, flutes, TCs (Yajko, Saunders, Jordan)
- 3385 BALI & LESSER SUNDAS RRI-Kupang; 1300 IN, SCI on 2-5 and more recently around 1200, often S-9 (Sherman)
- 3385 FRENCH GUIANA FR; 0300*/0355* w/ NA (Wallace, Cucura, Alexander) *0900 IS, NA, ID and PR pop mx, M ID (Sbordone, Johnston)
- 3385 PAPUA NEW GUINEA R E. New Britain; 1105 PD M (Nikolich) believe in Kua (Moore) how do you tell the difference?... TK
- 3390T ECUADOR R Zaracay; 0440 SP, ballad song, RTTY (Earhart) 0010 (Meyer)
- 3390 BALI & LESSER SUNDAS RRI-Singaraja; xlt 2245-2320, mx, IN ID best during hot summer period (Hart-AUSTRALIA)
- 3395 VENEZUELA R Universidad; 0521 SP, definite ID 0531, mostly mx chopped up in FAX QRM, f (Wallace) 0400-0420 (Thompson)
- 3396 ZIMBABWE ZBC; EG nx 0408, f (Bryan) 0404-0416 EG nx, EzL mx (Cucura)
- 3427.5 IRIAN JAYA RRI-Manokwari; 1150-1301 IN, M ID, local mx, SCI, nx, can be heard later on 500w 6187.5! (Sherman, Bryan, Sbordone, Poppin, McCoy)
- 3481 BOLIVIA R Padilla; 0030 SP, US EzL mx, ID (Meyer-PERU)
- 3535 UNID 4-1 from 0924, two M, ment "campo," mx briefly 0929, M&W and gone (Field)
- 3607 JAPAN NHK-?; JP pops, W ID, M&W, f (Bryan)
- 3810 ECUADOR HD210A; 0646 Time pips, SP M TC (Danko)
- 3985A USA (PIRATE) WBLO; 0524-0607 progressive rock, xmtr trouble, ID per ARO's nearby who kept comparing sigs to "WBLO nearby" s/off w/ Close Encounters theme (McClellan)
- 3905 ADMIRALTY IS. R Manus; 1110-1200 PD M, C&W/pops, ID, TCs, amnts, band mx, ARO QRM (Poppin, Sbordone, Cucura, McCoy, Crawford)
- 3910 JAPAN FEN; 0825-1244 EG, ad-course at U of MD, rock (Moman, Smith)
- 3925 INDIA AIR-Delhi; 1435 Hindi W nx, QRM de NSB, g (Hart-AUSTRALIA)
- 3925 JAPAN NSB; 0830 EG ads, ID, nx, pop and C&W mx (Cucura, McCoy, Smith)
- *3930.2 CAPE VERDE IS. Voz de Sao Vicente; 2120-0007* PT, EZL mx, M&W ID and amnts, vocals in PT fair in ARO QRM (Crawford, Valko, Krueger)
- *3935 JAVA RRI-Semarang; 1308-1453 IN, nx, chants, ment of "berita" (Bryan, Poppin)
- *3945 NEW HEBRIDES R Vila; 0930-1001* lang M, island, talk by W, EG and PR at times too, 0905 poss. ment of R Tarawa, off w/ drum IS and plug pulled (McCoy, Valko, Sbordone, Hart-AUSTRALIA)
- 3950 S. AFRICA Capital R; //603 poor w/ pops, EG jock, IDs (Hart-AUSTRALIA) Time?... TK

- 3955 ENGLAND BBC; 2330* EG tlk on animals, ID (Saunders) 0509 GM (Bryan)
 3965 USA (PIRATE) Unid, SSB, "Flirtin' w/ Disaster" by Molly Hatchett
 till 2324 into ham QSL (Crawford 3-17)
- 3985 ECUADOR Esc. Rfonicas Pop.; *1001-1020 SP, sermon, ID, flute mx
 TC (Cunningham, Jordan) 0045 (Meyer-PERU)
- 3990T NEW HEBRIDES R Tanafo; poor, PD W 1945. Must be NH--99.9% sure,
 but no ID. Not impossible in W Austr. (Hart-AUSTRALIA) 60w1 TK
- 3995 ARSPSR Nikolaevsk-na-Amure; 0810 RS, tlk (Smith)
 3995 BURNEO RRI-Pontianak; 1033-1011 IN, nice EZL mx, fl (Valko) 1436
 bells, followed by app. radio play, M ID, SCI, pips 1500 (Poppin)
- 3995 GERMANY, W. DW; 0200-0500 GM, nx, mx, IDs (Sanders, Sellers, Bryan)
 4000 CAMEROON 2205-2229* FR, hifile, net ID, drum IS, instr NA into
 UC (Crawford, Moore, Valko) still no site IDs... TK
- 4003 SUMATRA RRI-Padang; 1459 IN, Love Ambon, M ID, nx, g (Bryan)
 4030 ARSESH Anadyr Chukchi; 1317 RS, RS pop mx, chimes, TC (Poppin)
 1047 lang, g w/ opera (Wallace)
- 4110T CHINA Urumqui; 1123 CH, W tlk (Moore)
 4115 KOREA, N. (CLAUDESTINE) VoRPR; 1140-1220 KR M&W, soft type mx
 and operatic style songs through SSB QRM (Crawford, McCoy)
- 4273 KOREA, N. Kanggye; 1205 KR, M&W, mx, p (McCoy)
 4298 CHILE GCV; time station w/ GW second markers, p (Crawford/Krueger)
 at 0058-0100*
- 4485 ARSPSR Petropavlovsk; 0925 RS M&W, mx //5015 (Alexander)
 4530 UNID mx, poor 2340; can anybody help on this one? (Hart-AUSTRALIA)
- 4635 TADZHIK SSR Dushanbe; 0130 RS M, app TC, ute QRM (Peck)
- 4696 BOLIVIA R Riberalta; 0020 SP, messages by M, ID (Meyer-PERU)
 4719 CELEBES RRI-Ujung Pandang; 1214 IN nx, M ID, (Bryan)
- 4725 BOLIVIA R Abaroa; 0030 SP, mx, msgs, ID 0045, ments Rio Beni (Meyer)
 4725 BURMA BBS; 1507 lang M&W tlk, f (Bryan)
- 4730 BOLIVIA R Frontera; 0040 SP, weak, ID, huayno mx, Quechua (Meyer)
 4739 BOLIVIA R Mamore; 0050 SP, LA mx pgm, M, ads and ID (Meyer-PERU)
- 4750 CAMEROON R Bertoua; 2142 FR, nx by M, Afro mx, f-g (Wallace)
 4753 CELEBES RRI-Ujung Pandang; 1222 IN M speech, g (Bryan, Wallace)
 4754 MALDIVES RM; *0028 bird cry IS, ID by W, maybe in EG, ments clearly
 of "Maldeeves" and poss. "Bdcsting" into chants by M 2-14 and weakly
 several times since. Hadn't considered poss. till J. Young's recep-
 tion, so hadn't tried. Another editor must still think impossible,
 as my report deleted there! (Sherman) 0120-0200 3-6 Maldivian M
 chants, definitely not PT or SP, two bird calls, amnts by W, ute/
 static (Jordan) Well, I won't say impossible George, just difficult!
 I seriously doubt the second log, as ECNA awful late for them, and
 no ID! Unless one speaks Maldivian, how can we say "Maldivian
 chants?" The point is, an ID is a must on this... TK
- 4755 BRAZIL Rdf. Do Maranhao; ID 0510, uptempo mx (Wallace; Alexander)
 4755 COLOMBIA Em. Nuevo Mundo; 0812 SP, ads, ID (Witte)
 4761.5 UNID SP 0505* w/o NA, ID like "R Eranera" so guess I need an ear
 transplant, hi! Abaroa listed 0400*, Inca 0700* (Sherman 3-20)
- 4762T MONGOLIA Ulan Bator; 1337 Mong. lang W&M alternating w/ bulletins.
 Lost to China 1351. Willis reported this //4995 2-2 (Poppin 3-20)
- 4765 BRAZIL R Espirito Santo; TC, vocals, "programa Espirito" (Poppin)
 4765 BRAZIL R Rural; 0500 PT, pop mx, ID, s/off (Bryan)
 4766 ECUADOR CRE; 0120-0435* SP, pops (Valko, Meyer-PERU) 1040 (J. Jones)
 4770 LIBERIA ELWA 2200/0630+ EG rel. pgming, ID, hymns (12 reporters)
 0150-0359 4-13 only all night due to coup w/ IDs, hymns, Special Nx
 Flash, amnt by Samuel K. Doe, Master Sergeant, Head of State, pay
 rises, hymns and clsc1 mx, amnts of arrest requests. Tnx phone tip
 M. Agner (Schipelitti) tnx for your call, Peter!... TK
- 4770H USA WLBI-Lebanon, KY; 1130 G&W, EG 2x1590 (George)
 4770 VENEZUELA R Bolivar; 2355-0300 SP, pops, ID/TC (Sellers, Daven-
 port, Lattemann)
- 4774 JAVA RRI-Jakarta; IN W 1237, tlk abt Ujung Pandang (Bryan)
 4775 AFGHANISTAN Kabul 1333 M singing, M&W alternating in vocals, flute,
 M lang, severe QRM; best reception I ever had this freq. (Poppin)
- 4775 UNID SP 0020 w/ mx pgm, TC, ads, gone in noise 0056, p (Field)
 4777 GABON RTVG; 0000* and 0435+ hifile, FR M ID, nx (D'Angelo + others)
 4780 HONDURAS R Juticalpa; 1100 vg, SP, marimbas (Greenwood 4-1)
 4780 KARELO-FINNISH SSR Pertozavodsk; 0307-0430 RS, HS, strong, // 5065
 also xint; stories, exercise pgm (Hywarren, Nikolich)
- 4780 VENEZUELA LV de Carabobo; 0244 SP, LA pops, ID/TC, ads (Thompson,
 Sellers, D'Angelo, Alexander)
- 4785 BRAZIL R Ribamar; 0845 PT ID, local pops, M (Alexander)

- 4785T PERU R Coop. Satipo; 1005 SP, M yelling into mx mixing w/ Ribamar. Bad, gone 1045 gone when CH station appeared (Field) 0130 (Meyer)
- 4785 TANZANIA RT; *0256 SH, IS, ID, NA, nx, hilife (Lattemann, Newkirk)
- 4789.25 IRIAN JAYA RRI-Pak Pak; 1200-1404* IN, RRI nx, vocals, Hawaiian type mx, Love Ambon till off (Sherman, Poppin)
- 4790 PERU R Atlantida; 0931-1032 SP, ads, pop/flutes, IDs, slogan "en Atlantida (J. Jones, Cunningham)
- 4790 SWAZILAND TWR #0255, IS, EG/Shona, IDs (Newkirk)
4794. SURINAM R Apintie; *0830+ drums, Hindi chants, DT M ID, pops, armts (Valco, Radcliff, Harvester) 0430* w/ mx, ID, drums, NA (Greenwood)
- 4794.5 ECUADOR LV de las Caras; 0200-0500 SP, flutes, IDs (7 reporters)
- 4800H CUBA RMWS 8x600 MW 1700 in EG (Buer) I now hear 600 #2000... TK
- 4801 ECUADOR R Popular; 0150-0200 SP, ID/TC, folk mx (Meyer-PERU, Jordan)
- 4805 BRAZIL R Dif. Amazonas; PT 0402, ID during s/off (Braga)
- 4807 SAO TOME RN; reggae w/ Jimmy Cliff & local mx, 2259* (Greenwood)
- 4810 GALAPAGOS LVdG; 0205-0343 ID, instr mx, nx, 0406* (Eckman, Forth)
- 4815 COLOMBIA R Guatapurí; 0410-0501* SP ID, TC, NA (Wallace, Sellers)
- 4815 UPPER VOLTA RTV; 2120/0600+ FR, hilife, nx, IDs (12 reporters)
- 4820T ANGOLA R Nacional; PT 2216-2400* PT, hilife, M cmtry, W ancr, (Moore, Peck, Hart-AUSTRALIA)
- 4821 YUETNAM Hs Tuyen; 1030 VT talk, M ancr, mx (Hart-AUSTRALIA)
- 4825 BRAZIL R Ed. de Braganca; 0840 PT, pgm of singing, nx, ID (Jordan)
- 4825 PERU LV de la Selva; SP, LA pops, ID, ads (Meyer-PERU)
- 4825 TURKMEN SSR 2200 16 notes, Mayak, ID(not hrd) and another presumed Turkmen IS, RS nx (Greenwood) never hrd the IS, but sure it was them Max... TK
- 4825 UNID 0116 lang, ment of Mundial (Davenport) think Brazil... TK
- 4829.9 GHANA 2248-2259* FR, native Waf log-beating, M, NA (Valco)
- 4835V BRAZIL R Mac. de Boa Vista; *0904 NA, ID, mx (J. Jones, McCoy) 0430 mx, ID 0347, 0405* (Field)
- 4835 S. AFRICA R RSA; 0410 EG, live remote (Nikolich)
- 4840 CHINA WFBS; GH 0858, M&W, g (Smith)
- 4840 PERU R Andahuaylas: 0035 nx, ID 0045, f/out; Valera not on (Field) 0230 SP, huayno mx, ments of Andahuaylas, (Meyer-PERU)
- *4844.2 HONDURAS R San Isidro; 0120-0204* 4-5 only, SP mass till 0130, gospel mx, M ID "R San Isidro, la Dimension, correspondiente laborando 1450 kc/s para onda media, 4845 kc/s para la onda corta..." and ments of la Ceiba, into OC 0204 f-g in static (Krueger/ Crawford/ Sbordone at editors' QTH & Klein in Gainesville)
- 4845 BOLIVIA R Fides; 0240 SP, EzL mx, ID (Meyer-PERU) 0910 (Field)
- 4845 COLOMBIA R Bucaramanga; 0155-0340 SP, net nx, IDs, calls, fqys, usual LA pops (Bauernhuber, Witte, J. Jones)
- 4845 MOLUCAS RRI-Ambon; 1150-1220 IN, SCI, nx, ID (Sbordone, Cunningham)
- 4850.5 ECUADOR R Luz y Vida; 0250 SP, crillo mx, ID (Meyer-PERU)
- 4853T YEMEN, N. 0350-0400 AR M speech, AR Mx/flutes, lost (Greenwood)
- 4855 BRAZIL H Clube do Para; 0750 PT ID, ads, TC, pops (Alexander)
- 4855 COLOMBIA R Nieva; 0045 SP, LA vocals, ID, ads (Yajko)
- 4855 MOZAMBIQUE RM; *0400 IS, ID in EG/PT into new EG nx for SAF, f (Braga)
- 4856 SUMATRA RRI-Palembang; 1321 nx from I. Jaya, band mx, fast version NA by M, "Inilah R Indonesia Palembang" and island mx (Poppin)
- 4860 PERU R Chinchaycocha; 0400-0800 SP, IDs/TCs, flutes, pops (6 reprts)
- 4860 ERSFSR Kalinin; 0256, EG R Moscow pgming, chime 0300 (Poppin)
- 4860 VENEZUELA R Universo; 0020 SP, M, LA variety mx (Davenport)
- 4865 COLOMBIA 0150-0332 SP, ID/TCs, local mx (Bauernhuber, D'Angelo)
- 4875T BRAZIL R Jornal do Braail; 0500 after Norte off, definite PT Brazil-ians w/ armts, MOR EG tunes, 0530* mid-sentence, weak (Lobdell 3-23)
- 4875 COLOMBIA LV del Norte; 0200-0450 SP, LA mx, ID, NA (Lobdell, J. Jones, Davenport)
- 4875 COLOMBIA R Super de Medellin; 0155 SP, mx, IDs (Bauernhuber)
- 4875 IRIAN JAYA RRI-Sorong; ID, nx, SCI, local mx 1100-1400* w/ Love Ambon till off (Jordan, Poppin, Hensley)
- 4880 S. AFRICA SABC; 0428 AK, nx, pops, ads, TC/ID (Moman, Jordan)
- 4885 PERU R Huancavelica; 0330 SP pops, ID by M (Meyer-PERU)
- 4890 HONDURAS R Lux; 0157, SP IDs, Sting mx, armts (Moman)
- 4890 SENEGAL RN; 2311/0658 ID, chants, FR/vernac W (6 reporters)
- 4895 BRAZIL R Bare; 2352 PT pops, ID (Moman) 0806 (Jordan)

Turns out I had to edit a lot out to fit on this page. Hope everybody's name made it in at least once. Till June,

AKN-75,

Ter...

log report section

4900-6199

B

STEVEN WISEBLOOD

- 4900 VENEZUELA R. Juventud! 0315 US rock mx & sound effects. Good (Sellers 3/29).
- 4905 BRAZIL R. Relogio Federal: 2330-2350 FT nx by M, ads & TC's by a W in PT every minute, 3 loud time pipe each minute with softer pipe denoting the second (Alexander 3/22).
- 4905 BRAZIL R. Araguaia: 0855 musical pgm w/PT tlk, doesn't fit Relogio (Field 3/31).
- 4910 GUINEA Conakry: 2245 Afro mx. Good (Hart-W. AUSTRALIA). 0005 FR nx, into a political speech and lxl mx (Braga 3/27). 0520 continuous Islamic chanting (Greenwood-PA 4/1). 0500-0605 M in AR w/Islamic chants, into Afro mx & FR tlk, ID (Jordan, McClellan-McI).
- 4915 BRAZIL R. Nacional de Macapa: 0830-0925 lel pop mx, ads, ID's, instrumental (McCoy, Forth)
- 4915 KENYA Vok: *0257-0332 flute & drum IS, ID by a M in SH, chrral NA, tlk by W, Islamic chants, Vocal & lel instrumental mx. Fair //better 4934 (Hardestar-CA, Diekman, McClellan).
- 4915 GHANA GEC-Accra I: 2230-2303* EG nx, Afro mx, chanting in Vernaculars, choir mx, gospel pgm, ID & NA @ S/off (6 reporters). 0535-0627 Afro group vocals, tribal mx, tlk by M in Vernaculars, ID & EG nx @ 0600, cmtry, into Vernaculars @ 0615, ads (5 reporters). Tnx!
- 4920 AUSTRALIA ABC-Brisbane: 0801-1020 mx by M in EG, opera mx from "Carmen" (Peck, Kowalski).
- 4920 ECUADOR R. Quito: 0050-0455 Instrumental EZL mx, SP nx, field reports (Jordan, Davenport).
- 4925 BRAZIL R. Taubate: 2333 Brazilian pops, jingles, M ancr in PT (Moore). 0902 cute jingle, ad, M ancr w.ID, TC, into typical Brazilian pops-MoR instrumental mx. F-G (Klein 3/10).
- 4925 CHINA PRC-Heilongjiang PHS: 1230-1410 long tlk by W in CH, Instrumental mx (Hardestar, /
- 4925 EQUATORIAL GUINEA Rio Muni: 2100-2208*High-life mx w/guitars and group vocals. (McCoy/ ID, nx in SP, TC's, orchestral NA @ 2208* (Greenwood-PA, Weinhold, Peck-NY). 0500-0600 M ancr w/nx in SP, ID, high-life mx & conga jazz. F-P (Jordan 3/20, Hywarren-MAN 3/7).
- 4925.7 BRAZIL R. Drago do Mar: 0133-0227 upbeat Lam pop-rock mx, TC's, futbol promo's, jingles, full ID w/mention of Portaleza. Loud this night! (Cunningham 3/30).
- 4930rf DOMINICAN REPUBLIC R. M.I.: 2318 Lam vocal mx, ID's after each song (Yajko 3/24). 1000-1020 ID's, TC's, ads, nx read by two M in SP (Jones-MS 3/25, Forth 3/26).
- 4930***VENEZUELA La Voz de la Fe: 2300 many ads, M ancr in SP w/ID, TC, Lam mx (Klein-FL 3/24).
- 4930 GEORGIAN SSR Tbilisi: 0300-0350 Mayak pgm, tlk by M in RS, IS, piano mx (Jordan 3/9).
- 4930 TURKOMEN SSR Ashkhabad: 0110-0117 folk mx, clsel mx, Mayak pgm & IS. Good (Sbordone-FL).
- 4931.7 INDONESIA RRI Surakarta: 2215-2230 good w/levels equal to RRI Jambi 4927 (Hart-W. AUS).
- 4932 NIGERIA Benin City: 2149-2305* tlk by M in Vernaculars, nx in EG, US pop mx, Into an hour of jazz mx, S/off arnts in EG with a group of children praying. F-G (Greenwood, Cucura)
- 4934 KENYA Vok-Mombasa: 0310-0315 tlk by M in SH, East African mx, choral mx (Bryan, McClellan)
- 4935 BRAZIL R. Capixaba: 2340 EG pop mx, ID's, M ancr in PT. Clear & Strong (Moore 3/28).
- 4935.7 PERU R. Tropical: 0935 nice pgm of Campesino mx, M ancr in SP w/ID, TC, G (Klein-FL 4/1).
- 4940 VENEZUELA R. Yaracuy: 0340 Lam mx. Vy. Good (Vogelman-NY). 1020 Lam mx, ID (Hart-W. AUS).
- 4940 IVORY COAST Abidjan: 2140-2303 Afro pop mx, FR & EG mx, tlk by M in FR, ID, //7215, Good (5 reporters). 0650 2 M ancrs in FR with tlk concerning local items (S. David Klein-FL 3/24)
- 4943.7 VIETNAM Hanoi-I: 1252 tlk by M in VT, lel oriental style mx w/vocalists (Bryan-CA 3/17).
- 4945 COLOMBIA R. Colosal: 0300-1109 Lam pop mx, ID's, M ancr in SP, sports (7 reporters). Tnx!
- 4945 SARAWAK RM-Kuching: 1112-1558 tlk by M in EG, Clsel mx, ID by W, NA @ 1601*(Moman, Moore).
- 4955 BRAZIL R. Cultura: 2320 M ancr in PT, lel ballads sung by vocalists, ID (Moore 3/28).
- 4955 INDONESIA RRI Banda Aceh: 2300 poor w/M ancr in IN w/ID, usually better (Hart-W. AUSTRAL)
- 4960 VENEZUELA R. Sucre: 0330-0358* ID by M, into "Noti-Rumbos" nx w/chimes, NA (4 reporters).
- 4960 ECUADOR R. Federacion: 0220-0235 tlk by M in SP, flute & drum mx, group vocals, ads, TC, ID. Poor (Jordan 3/6). 0431 Up tempo Lam mx. Very Good w/RITTY GRM (Wallace CA 3/16). 0615 on late w/Andean vocals, ID & tlk by M in SP (Radcliff-IL 3/16).
- 4965 COLOMBIA R. Santa Fe: 0103-0625 ballads, nx by M in SP, ID's, TC's (Bryan, Sellers, Yajko).
- 4970 VENEZUELA R. Rumbos: 0458-0505* SP nx, ID & S/off arnts, NA (Davenport, Sorensen).
- 4972 UNID tlk by M in lang that sounded like a combination of EG & FR, NA @ 2205-2208*(Peck-NY)
- 4980 GHANA GEC-2 Ejura: 2200-2302* nx read by M in EG, choir mx, Afro mx (Zilmer, Greenwood, /
- 4980 VENEZUELA Ecos del Torbes: 2350-0010 tlk by M in SP, Lam mx & ID (Saunders-GRY). (Hart/
- 4985 BRAZIL R. Brasil Central: Always heard quite well here during our local mornings, but often QRMed by Indonesia. Good signal w/M ancr in PT, ID & Brazilian mx (Hart-W. AUS).
- 4990rf VENEZUELA R. Barquisimeto: 2330-0315 M ancr in SP, marimba mx w/vocals, guitars, orchestral mx, ads, ID's, TC's. Welcome back! Long time no hear! (5 reporters).
- 4990 NIGERIA Lagos: 2245-2305 nx in EG by M, TC's, tlk by W in EG, Afro mx (D'Angelo, Hart-AUS) 0628 tlk by M&W in EG, too weak to make out conversation (Mayer-PERU 3/16).
- 4990 SOUTH AFRICA R.RSA: 0315 EG "Good Morning Africa". Poor (Cinert 3/16). 0405-0426* ID, EG nx, cmtry, lel pop mx, sports, M ancr, //5980, 7270, 9585, 11900 (4 reporters).
- 4995 MONGOLIA R. Ulan Bator: 1405 M in MG reading bulletins, deep fads (Poppin-CA 3/20).
- 5000 SOUTH AFRICA ZUO: 0100-0200 CW ID's every 5-minutes w/TC's (Diekman 3/12).
- 5004 BRAZIL UNID: 0015-0100 Brazilian vocal mx, some EG vocals, "L'onda tropical", bad het, also heard from 0839 with similiar musical pgm. Weak (Field 3/30 & 3/31).

- 5005 EQUATORIAL GUINEA Rio Muni: 2140-2202* ID & anmt "Cinco de la media", NA (Greenwood).
 5005 MALAYSIA RM-Sibu: 2230 1cl mx & ID in Bahasa-Malaysia (Hart-W.AUS). 1445-1500 prayer chants by M, ID by W @ 1459, band NA to 1500* (Poppin-CA 4/3).
- 5010 SINGAPORE RS: 1040-1539 W in EG w/Asian mx, //5052, 1clsl mx (Hart-W.Aus, Moman-AT).
 5010 CAMEROON R. Garoua: 0525 Arabic influenced Afro mx, fast tlk by M in FR (Meyer-PERU).
 5010 COLOMBIA R. Surcolombiana: 0345-0423 Lam mx, ballads, SP anmts, ID by M (Wallace, D'Angelo, Jordan). 1059 SP anmts, promo for the Caracol net, ID. Good (McClellan 3/13).
- 5015 PERU R. Moyobamba: I sent info on this one to you over 2 months ago (Meyer-PERU) not recvd!
 5015 ASIATIC RSPFSR Vladivostok: 1215 tlk by M&W in RS. Fair (Sbordone-FL). Date?
 5015 EUROPEAN RSPFSR Archangelsk: 0306 RS anmts, EZL mx. UTE QRM (Hywarren-MAN 3/10).
 5020 COLOMBIA Ecos del Atrato: 0958 ID, ads, SP network mx, QRM, fading. Fair (Jones-MS 4/3).
 5020 NIGER Niamey: 2240 Afro mx w/drums. Good! (Hart-W. AUS). //0526-0640 flute IS, into march-anthem, ID by M, into FR tlk, choral singing, prayer chants, tribal mx, into mx in FR @ 0600, Arabic type flute mx, fast tlk in FR (Meyer-PERU 3/16, D'Angelo, Greenwood).
- 5020 SOLOMON ISLANDS Honiara: 0725-1045 W anor in pidgin "8:00-long time tlk-good mx", PSA's, TC's, EG mx @ 0745, orchestral mx "When you wish upon a star", more songs that were popular about the time that our troops stormed the beaches at Guadalcanal! A rather eerie feeling!, mx by W in EG @ 0801, ads, into pop & British rock (7 reporters). Tnx!
 5025 BRAZIL R. Boborema: 0900-0907 ID jingles, PT tlks & Brazilian mx (Jordan 3/15).
 5026** UGANDA Kampala: 2150 must have been on late this morning, W anor in vernaculars, a few nx items about Kampala and neighboring African countries. Fair (Hart-W. AUSTRALIA).
- 5030 VENEZUELA R. Contiente: 0300-0403 "Noti-Rumbos" mx, Lam orchestral mx, vocal mx, ID, Very Good (Sellers, Diekman, Earhart-PA). 1030 always heard here w/good signals (Hart-AUS).
 5035 COLOMBIA LV del Caqueta: 0720-0802 ID, tlk by M in SP, accordion mx, TC (Poppin-CA 3/6).
 5035 PERU R. Imagen: 1045 M anor w/TC, ID, mention of Tarapoto, SP tlk & 1cl mx (Klein-FL 3/13)
 5035 BRAZIL R. Aparecida: 2332 EZL mx, ID, TC, ads, PT tlk. Vy Good (McCoy 3/9).
 5036.5 CENTRAL AFRICAN REPUBLIC Bangui: 2229-2240 M in FR w/ID, tlk, Afro & FR mx (Cucura, Klein/Hart-W. AUSTRALIA). 0640 1cl chanting type mx, drums & strings, W anor w/nx in FR @ 0645/
 5040 VENEZUELA R. Maturin: 2320-0055 Lam mx, jingles, ID's (Alexander 3/12, YaJko 3/25).
 5040** PERU R. Libertad de Junin: 0830 M anor in SP w/TC, ID, Peruvian folk mx. F-G (Klein-FL)
 5042.5 GUINEA BISSAU Rdf Nac: 2215 M in FR w/anmts, ID's. Excellent! (Hart W. AUSTRALIA).
 5043** INDONESIA RRI Wamena: 1120+ Indo tlk, 1cl mx ID "Inilah Republik Indonesia studio Wamena", and mentions of "dengan warta berita" before 1200 (Robinson 3/13+). PB, Dan! -ScW/Cumming'm
- 5045 BRAZIL R. Cult fo Para: 0220-0304* Brazilian pops & ballads, group vocals (Jordan,/
 5045 COOK ISLANDS RCI: Excellent @ 1655 w/Island mx & W anor in Maori, then into current pops, then W anor alternating in EG & Maori, TX's & ID's. Not heard since! (Hart-W. AUS).
 5047 TOGO Lome: 2155-0003 Afro 1cl mx, FR & EG pop mx, FR anmts & ID's (Diekman, Sellers, Hart). 0620-0636 tlk by M in FR, drum mx, lively grouc vocals, anmts in Vern. (Jordan, Bryan).
- 5050 COLOMBIA LV de Yopal: 1029 M in SP w/ID & TC, Lam mx on bad turntable (Forth 3/25).
 5050 PERU R. Loreto: 0439 Peruvian mx pgm, "Happy Birthday" in EG, "OAXB" ID (Field 4/6).
 5052 SINGAPORE RS: 1542 ID, TC, EG MoR mx, nx by M in EG. Good (Bryan-CA 3/11).
 5055 BRAZIL R. Maua: 0055-0100 M in PT w/ID's, ads, Brazilian pops & anmts (Krusger 3/26). 0835-0945 , anor in PT w/ID & TC, uptempo orchestral mx, UTE QRM. Fair (Klein, Jordan).
 5055 COSTA RICA Faro del Caribe: 0225 quiet instrumental mx, tlk in SP, ID @ 0230 F w/RITTY (Sellers). 0403-0413 Fast tlk by M in SP, political speech to an audience (Earhart-PA).
 5057 ALBANIA R. Gjirokaster: 0450 distinct Albanian mx w/brief anmts between selections, ID for Tirana @ 0459 (Hywarren-MANITOBA 3/6).
- 5060 ANGOLA Em Reg do Huabo: anmts by M in PT to S/off @ 2300*, Good! (Hart-W. AUSTRALIA).
 5061 ECUADOR R. Nac. Progreso: 1017 ID, call letters, fqs., very rural sounding mx (Jones-MS).
 5065 KARELIAN SSR Petrozavodsk: 0347-0401 Mayak relay w/RS anmts, folk mx (Hywarren, Sbordone).
 5075 COLOMBIA R. Sutatenza: *1030 M anor in SP @ S/on, //6075 -not 5095, nice mx (Klein-FL).
 5095 COLOMBIA R. Sutatenza: 0120-0230 two M in SP w/nx, frequent ID's, Lam vocal mx, ads (Sullivan, Sellers). 0928-1040 agricultural pgm, campo mx, letterbox (Halsema, Hart-W.AUS).
- 5100** ANGOLA Em Reg de Mocamedes: 2250 M anor in PT, Afro mx. Fair (Hart-W. AUSTRALIA).
 5170 CHINA FFBS-II: beautiful operatic mx, occasional anmts by W in CH @ 1005 (Klein-FL 3/13)
 5191** ANGOLA EP do Mexico: 2235 Non-stop highlife mx & drum mx (Moore 3/28).
 5240 CHINA FFBS-I: *1000 //5265 w/TS, ID by W, "East Is Red", CH pgms. G (Klein-FL 3/13).
 5300* PERU Esmeraldas?: 1023-1026 Extremely weak tlk in SP, group vocals & flute mx (Jordan).
 5310.2 UNID SP tlk and some vocal mx, too much noise to hear an ID, bells @ 0430 (Earhart-PA).
 5539 USA Greenville UN-feeder: UN radio in EG heard Sat. nites only 0545-0600 (Briscoe).
 5770 CHINA FFBS-II: 1050 tlk by M&W in CH, oriental mx. Good (McCoy 3/21).
 5850 CHINA RP: 1150 tlk by M in CH, Instrumental mx. Poor (McCoy 4/3).
 5880 CHINA RP-I: 1135 tlk by M in CH, W vocalist w/oriental style mx. Fair (McCoy 4/3).
 5882 ARGENTINA R. Rivadavia: 0025-0035 fast SP tlk, some 1cl mx. RITTY QRM (D'Angelo-PA).
 5900 CHINA FFBS-I: 1010 W anor w/long tlk in CH, //5240, not //6000, my last rpt erred (Klein)
 5925 TIBET Lhasa RP-I relay: 1335-1405 tlk by M in CH, flute mx, Hvy QSB by 1405 (Hardester).
 5930 CZECHOSLOVAKIA R. Prague: 0104 EG mx, "Topics of the Day". F (Sellers) *0300 EG mx, cmntry, Stamp collecting pgm, 1cl mx. (Cinert 3/16).
- 5940 ASIATIC RSPFSR Magadan: 2149-2201 RS operatic mx, //5950, Mayak IS @ 2200 (Earhart-PA) 0820-0905 Edition 1A of the 1st pgm, long tlks by M&W in RS, orchestral mx (Jordan 3/23).
 5945 AUSTRIA ORF: 2137-2150 1cl mx, tlk by M in GM (Earhart 3/14). 2319 An additional airing of "Shortwave Panorama" can be heard in the Sun 1230 xmen to Nam on 21655 (Hauser-TN). 0140-0150 EG tlk about Mozart & Hyden, tlk about musical festivals (Grishin, Alexander).

- 5950 GUAYANA 0816-1020 anmts by M in EG about special anniversary events, ads, Happy Birthday greetings, Hindi-type mx, choral & religious pgm w/tlk by minister in EG (Jordan, Kowalski)
- 5950 NICARAGUA LV de Nic: 9945-0125 nx by M&W in EG, L&M mx, ID. Fair w/bad het (D'Angelo).
- 5955 GERMAN DEMOCRATIC REPUBLIC RBI: 0400-0412 tlk by M&W in EG, hvy QRM (Earhart-PA 3/17).
- 5960 ALBANIA R. Tirana: 0448-0505 usual hideous ID, ID & opening anmts in GM (Radcliff-IL 3/18)
- 5965 GREAT BRITAIN RCI-Davenport: IS @ 0312, ID by M ancr @ 0315, into RS pgm (Jordan 3/22).
- 5970 PERU R. El Sol: 1036 ID "Sol en Los Andes", lcl TC's, typ. Peruvian mx (Jones-MS 3/26).
- 5978.5 GUATEMALA AWR-Union Radio: Seems to have settled here from nominal 5980. Heard much better on their 3rd harmonic, 17875. After a weeks silence they were back on the air 4/3 w/ domestic pgm, heard from 0200 tune in w/Clecl mx, ID, Marimba mx, TGMUA ID's, EG anmt at S/off, NA @ 0456*. The 3rd harmonic is now greatly suppressed and they are heard best here. On 4/4 they moved the EG portion from 0300-0500 w/"Voice of Prophecy" & "Your Story Hour". Read reception reports, said they had 7 or 8 reports and all but one were for their 3rd harmonic. They have since changed the output network to a different design. ID's only for TGMU-1330 & TGMUA-5980, Lengthy anthem & closing anmt @ 0506 (Hauser-TN). 0326 EG religious pgms, IX pgm in EG, ID's in SP/EG by W. P w/HBC QRM (Lobdell-MA 4/7).
- 5980 STERRA LEONE Freetown: 2220-0000* EG cmtry on Zimbabwe, lcl & US disco mx, Vernacular anmts, M ancr in EG, ID & TC's (Greenwood, Jordan, Newkirk, Peck-NY, Hart-Western Australia). 0650-0652 nx by W in EG, pop/disco mx, ID @ 0700, hvy Libya QRM (Meyer-PERU 3/16).
- 5980 TAIWAN WOPC: 1035-1122 EG Asian nx, cmtry, lite pop/MoR mx pgm, CH/EG lesson (Howard-CA).
- 5985 BURMA HBS: 1458 EG ID, end nx "and that was the nx from the BBC", disco show (Ethen 3/24)
- 5990 FRANCE Issoudin: 2355 Good w/M giving ID just prior to 0000 (Hart-Western Australia).
- 5990 ASIATIC RSPSR Khabarovsk: 1430 gives ID from a different Soviet Republic each day, i.e. Tbilisi, Baku, Vilnius, etc. //6115, 7320, 9500 (Behr 3/24).
- 5990 ROMANIA R. Bucharest: 0215-0228 W in EG reading reception rpts, fqy, sked (Moman, Ethen, AUSTRALIA RA: 0940-0957 tlk in pidgin to Pacific, pop mx, cmtry & anmts, ID's (Jordan) 1030-1118 ID, TC, pop mx, nx item on Kangaroo harvesting, Fair (Moman-AT, Alexander).
- 5995 MALI Bamako: 2245-0003* M w/nx in FR, ID, Afro tribal mx, NA @ S/off (4 reporters). 0711 stringed instrumental mx until R. Australia took over fqy @ 0722 (Eckman 4/4).
- 6000 CHINA FPBS-2: 1007 CH operatic mx, //5170 stronger, Fair (Klein-PL 3/13).
- 6000 BRAZIL R. Inconfidencia: 0825 Brazilian mx, political anmts, ID's. Good (Kowalski).
- 6005 CANADA CFCX-Montreal: 0930 lcl nx in EG, good w/Reloj off both 6006 & 4832 (Klein-PL 4/4).
- 6005 WEST GERMANY RIAS: 0715 GM pop mx audible u/CFCX late-night tlk show. no ID (Eckman 4/4).
- 6006 COSTA RICA R. Reloj: 0415 fast L&M mx, tlk by M&W in SP, SP anmts, Good (Bryan-CA 3/26).
- 6015 VATICAN STATE VR: 0100-0115 EG tlk on the "Religions of China", ID, //11845 (J Williams).
- 6015 COLOMBIA R. Mira: 1054 continuous lcl mx, ID & fqys @ 1101 followed by NA. G (Jones-MS).
- 6020a PERU R. Victoria: 1032 ID's as "R. Victoria del Peru". pop mx. Bad het. F (Jones-MS 3/26).
- 6030***UGANDA Soroti: 1505 Afro mx, many lcl items in the nx, Excellent! (Hart-W. AUSTRALIA).
- 6040***PAPUA NEW GUINEA Alotau: 2140 M ancr in pidgin lost u/VOA (Hart-W. AUSTRALIA).
- 6045 COLOMBIA R. Melodia: 0506 "Mexico in Colombia" mx pgm (Hauser-TN). 0958 ID's (Jones-MS).
- 6055***RWANDA RR-II: 2138-2205 Instrumental & vocal mx, brief tlk by M in FR (Radcliff-IL 3/19). 0705 tlk by M&W in FR into possible nx, sound of a horseM into FR tlk, ID (Meyer-PERU).
- 6060 ARGENTINA Buenos Aires: M ancr in SP, ID @ 2330, only heard on DX trips (Hart-W. AUST).
- 6060**CAMEROON Yaounde: 2250 good w/Afro mx & ID. Always heard in the summer (Hart-W AUS).
- 6060 AUSTRALIA RA: *1330 S/on w/EG nx, Thunder-storm QRM (Conover 3/8).
- 6080***PAPUA-NEW GUINEA Daru: Fair @ 2200, only heard in Perth! ancr in EG/pidgin (Hart W.AUS).
- 6082 COSTA RICA R. Nueva Victoria: 1120 SP nx, SP ads, TC's & ID's, fqys. Fair (Jones-MS 3/20).
- 6090 NIGERIA Kaduna: 1620 MoR/Ezl mx, M ancr in vernaculars w/ID. Good as always! (Hart-W. AUS).
- 6090 LUXEMBOURG RL: *0000-0100 EG nx, rock mx, disco & "NEW WAVE" mx, M ancr, wx (5 reporters).
- 6100 MALAYSIA VoM: 1300 Thai pgm w.lcl mx, into Burmese @ 1430. Good (Behr 3/23).
- 6105 MEXICO Su Pantera: 1220-1245 tlks by M in SP, vocal ballads, ID's, ads & disco mx (Jordan).
- 6105 NEW ZEALAND RNZ: 1018-1032 conclusion of a radio drama, tlk by W in EG, ID's (Jordan).
- 6110 PHILIPPINES VOA Pore/Tinang: 1106-1120 nx by M in EG, cmtry, field rpts. F (Moman, Jordan).
- 6115***MOZAMBIQUE Maputo: 2155 M ancr in PT, Afro mx. Fair u/USSR (Hart-W. AUSTRALIA).
- 6120 ARGENTINA R. El Mundo: 0927-1000 tlks by M in SP, Marimba, L&M & EZL mx, ID's, call letters, SP nx, SP anmts (Cunningham 3/8, Jones-MS 3/19, Alexander 3/8).
- 6125 BRAZIL R. Nacional: 0923-0935 tlk by M in PIM ID, into PT nx by M, ingles, fqys (Jordan).
- 6135 POLAND Polish Radio: 2230-2235 EG nx and cmtry, ID, pgm on lcl cultures (Jordan, Moore).
- 6135 TAHITI FR3: 0740 2-minutes of air between records, at first I thought they had signed off. 0740-0742. ID, //11825, 15170 all w/good signals (Hauser-TN 4/6).
- 6135 CHILE R. Univ de Concepcion: 1011 many ID's, into nx-magazine pgm @ 1015 (Lobdell-MA 3/8).
- 6140 AUSTRALIA AEC-Perth: 1105-1215 EG nx by M, sports, horse racing results, ID (Moman, Jordan).
- 6140 USA ? R. Clandestine: 2153 M ancr RF Burns w/pop mx, joke type ads, ID's (Moore 3/30).
- 6140***PAPUA-NEW GUINEA Wewak: 0810 Pidgin anmts & Island mx, heard before VLM6 S/on (Hart-W.AUS).
- 6155 HAWAII R. Citadelle: 1101-1105 Long tlks by M in FR dialect, no ID. Poor (Jordan 4/2).
- 6160 COLOMBIA R. Sucesos: 0725 L&M mx, M ancr w/SP tlk, ads, TC's, ID's (Alexander).
- 6165 MEXICO LV de la America Latina: 1205-1220 nx by M in SP, SP anmts, Moscow QRM (Jordan).
- 6180 ARGENTINA R. Nac Mendoza: 0923 Nonstop operatic mx, tangos, TC's and ID's (Klein-FL).
- 6185 PORTUGAL RP: 0500-0514 nx by W in EG, ID, into sports pgm (Davenport 3/9).
- 6187***INDONESIA RRI Manokwari: 1130-1155 lcl mx w/xylophone type instrument, vocals (Jordan 4/2)
- 6195 CANADA Now that Dr. Bando has been cancelled, I am wondering what CBC-NS would put in the GMT Mon 0730 to replace it. Answer: on 4/7 a repeat of the "Royal Canadian Air Force"; also heard Sun 1805. When DST starts the times will be Sun 1705 & Mon 0230 (Hauser).

log report section **C**

6200-11699

PETER SCHIPELLTI

31 BEAVERBROOK ROAD BURLINGTON, MASS. 01803 or phone after 2200 GMT up until 0400 GMT. 617 272-3142. Reports are down in quantity this month. I guess most people are tied up with household projects in anticipation of summer's arrival..... In this month's column you'll find some interesting reports from David Hart in Australia. It just goes to show you what you can hear from 'Down Under'..... Let's move down and to the left...

- 6207T INDONESIA RRI-7; 1115 INDO, tlks to 1130, ID & lcl Mx, pops, tlks past 1200, heard what sounded like Padang. Needs work. (Klein 4/6); 1027 INDO, OM w/ anncmts, local style Mx. (Moore 4/6) I'll have to keep a receiver tuned to this frequency! ps.
- 6225 USA-PIRATE R. Syncom 48; 0524 EG, ID as "This is Radio Syncom 48, the US's best pirate station broadcasting in the 48 meter band." I made tapes of them from 0524 to 1008*. They announced that the broadcast was to the US & Europe every Sunday morning (GMT) from 0500 on. They change freqs. a lot. Here are their frequencies: 6225, 6248 and 6278 KHz. Very Good to Exc. Positively my rarest catch. I sent them a rpt via FRC-USA. (Wallace 3/16) 0848 EG, "Baker Street" & other pops, Tlks abt WARG & KVHF. Moderate to severe fading (Valco 3/16) 0652 EG, IDs, R&R Mx, asked for reception reports to FRC. (Osterman 3/16)
- 6225 USA-PIRATE Syncom International; 0513 EG, US R&R Mx, recordings of Radio Caroline, R. Condor Int'l & others, that I couldn't copy due to QRM. Somebody's trying to jam them, because at 0700 the VOA signed on 6225 and the BBC WS signed on 6275 (to jam 6225 & 6278 respectively). Neither the BBC or VOA is allocated to these freqs. I suspect someone is relaying them illegally. (Wallace 3/23) 0645 EG, IDs, TC's. Moved to 6277 @ 0715 GMT (Alexander 3/23)
- 6243 IRELAND (Pirate) R. Condor Int'l; *0700-0740 EG, OM, IDs, Euro Pops, Fair so far every GMT Sunday GMT's. (Krusger) 0730 EG on 3/23 & at 0610 EG on 3/30 (Alexander)
- 6245T IRELAND (Pirate) R. Condor Int'l; 0607 EG, I suspect that this is RCI, but all I could hear was Mx & some voices. I definitely heard the tune "Dreaming" by the rock group Blondie. (Wallace 3/23)
- 6248 USA-PIRATE R. Syncom 48; 0742-0800* EG, then *0800 on 6225 testing to Europe w/ EG pops, cuts from FRC-USA pirate tapes, ID's and anncmt that R. Condor Int'l was making it to ECNA this night. Good (Krusger 3/16)(Osterman 3/16)
- 6248 USA-PIRATE Syncom Int'l; 0542 EG, They are still there! They switched over to 6278 until their 0728*. at 0615, they read the two typed page report that I had sent them! It took all of 15 minutes & they said that their power was "48 watts for the 48 meter band." John Fisher, also from Chelmsford-Ma., had his report read at about 0700. They said that they would send QSL's off to us soon. Wow! (Wallace 3/30)
- 6250T Unid-Presumed Clandestine R. Enoch; 2100-2230, continuous Mx and no talk or anncmts or anything! Exc. booming signal - Funny Enough - It was a terrific European morning with many other good European signals being heard about the same time. Can anyone help me with this one? Pop & Rock Mx heard between 2100 & 2230. Did not listen in at any other times, could have been there all night and I would not have known!!! (Hart-AUSTRALIA) Can anyone provide me or Dave with more info? please. ps.
- 6250 EQUATORIAL GUINEA R. Malabo; 2202-Lang7, ID at 2202, very good signals despite band condx at this time. Mostly Mx w/ OM anncr. (Wallace 3/16)
- 6278 USA-PIRATE Syncom Int'l; 0605 EG, frequent IDs & pop Mx (Eckman 4/6)(Alexander 3/30)(Field 3/23)
- 6340 TURKEY Turkish Police Radio; 1440 TK, OM anncr. Fair w/ CW QRM (Hart-Australia)
- 6385A MONGOLIA R. Ulan Bator; #220 EG, IS, ID by OM and short NA before 1222 ID and anncd beam to SEAsia. Mx w/ a definite R. Moscow line right down to the anncr's accent! (Newkirk 3/19 & 21)
- 6419 USA-PIRATE KVHF; 0835-0852* EG, A mix of Rock, Pop & R+B: OM anncr w/ "This is R. KVHF..." Heard other anncmts but hard to read. ID's @ 0840 & 0850 (Jordan 3/9)
- 6550 LEBANON Voice of Lebanon; *0406-0415 AR, Music Box till 0408, whistled "River Kwai" theme, patriotic songs with chorus. Somewhat muffled ID by Y1 @ 0413 as "Sowt Al Lebanon". Into Tlks, weak as usual but finally caught the ID! (Cunningham 3/22)
- 6660H CANADA CHU; 0400, 2 X 3330 KHz. also on 6380a, Not any type of revr created image as checked out on HQ-200 & SB-310. (Radcliff 4/4)
- 6765 CHINA FPBS-1; 1015 CH, //5240 & 5900 Same with anncr still at it "01e Iron Throat" good (Klein 3/13)(McCoy 3/21)
- 6951A USA-PIRATE WARG or WRAO; suspected from 0532 tune in. EG with songs by Fleetwood Mac and Kansas with 'tinny' quality, but anncmts would not be readable. Audio would suddenly drop out, but come back up to a respectable level w/ Mx (Hywarren 3/9)

- 7001 ANGOLA Em. Regional do Lobito; 0525-0545 PT, Tlks by OM. Heavy CW QRM, poor. (Sbordone)(Eckman 3/21): 2150 PT (Braga 3/25): 2305 (Hart-AUSTRALIA)
- 7110 ETHIOPIA VORE; 0335-0400 Amharic, Tlk by OM. QRM from ARO's (Sbordone): 1540 (Hart-Australia)
- 7110 MALI Radiodiffusion Nationale du Mali; 0700 FR, March Mx, ID by OM @ 0725, Tlks. (Meyer-PERU): 0815 FR (Klein 3/14)
- 7125 POLAND Polish Radio; 2246-2259 EG, Tlk about WWII POW's, Tlk on restoring castles, ID, IS, Mx & sign off. Good (Saunders 3/19)
- 7130 MAIAMI MBC; 1550 vernaculars, Afro Mx, Good signal with heavy open carrier slightly effecting. (Hart-Australia)
- 7155 JORDAN HKBS; 2305-2332* AR, Probable Nc by OM w/ mentions of Iran & Zimbabwe. Nice IDs a la WRTH 2307, 2308. Eerie chanting and AR Mx. Tlks by annrc, Koran Chants, ID, Lion Roar (i), NA, and off @ 2332, Loud & Clear, a big surprisel (Cunningham 3/14) Tnx for the report Larry. I wonder if anyone else is hearing this? Please.ps.
- 7160 SARAWAK R. Malaysia; 1129-1207, presumed EG, possible church service. ID by YI as "This is Radio Malaysia, Kuching" very poor (Johnston 3/9)
- 7160 SOUTH AFRICA-Transkei Capital Radio; *0400-0415 EG, Heard def. s/on by OM into Nc & Wx. Pgm of US popular & rock Mx including some Gloria Gaynor cuts. Heard mention of "Capital Radio". Poor (Jordan 3/17): Good signal with Pop Mx, Many many IDs & DJ's. Also heard on // 603 KHz! both at 1535 GMT (Hart-Australia)
- 7165 ETHIOPIA VORE; 1535 EG, African Nc & local Nc. "This news is coming to you from the external service of Revolutionary Ethiopia." Exc as always & // 7110 KHz. (Hart-Australia) Who wants to go on a DX'pedition to Australia with me? Hll ps.
- 7170 NEW CALEDONIA Radio Noumea; 0930 FR, Pop Mx w/ OM DJ (Smith-Wade 3/16)(Klein 3/28)
- 7175NF SWAZILAND TWR; *0400-0420 EG/ Afrikaans, Exc w/ IS, ID and into AK religious program (Krueger 3/30)
- 7180 Unid-African Gabon?; 1545 vernacular OM annrc & African Nc items. Various items about Kenya, Nigeria, Gabon, Swaziland and so it goes on...Exc signal but could not catch ID. Could it be Africa # 1, Gabon? They certainly put a good test signal into Perth if it was. I reckon it is...Work it out for yourself! (Hart-Australia)
- 7190 YEMEN DYBS-Aden; *0300-0345 AR, 0300 late switch to program line left carrier unmod past hour, just catching last few measures of NA, ID by YI @ 0301, Tlks, then OM chanting. Recheck 0330 w/ ID by YI before Nc, several during, and at 0345 another ID before Mx (Newkirk 3/4): 2140-2200* AR (D'Angelo 3/9)(Lebryk 3/18)(Lang 3/7)(Jordan 3/8)
- 7205 UKRAINIAN SSR Radio Kiev; 0300-0330 EG, News & Mailbag Pgm (Sullivan 3/16)
- 7210 SWITZERLAND International Committee of the Red Cross, Geneva; *0600-0635 EG, five minute IS, then tech. problems. OM w/ pgm "Red Cross Roads" w/ review of ICRC activities in Rhodesia, SEASIA, Cmtry on Poison Gas use. Very Good (Jordan 3/24)
- 7215 IVORY COAST Radiodiffusion Ivoirienne; 2332-2342 FR, vernacular singing; better than //4940 which had SP co-channel QRM (Buer 4/1); 0635 FR (Bryan 3/16)(Greenwood)
- 7215 TURKEY Voice of Turkey; 2200 s/on EG, ID, Nc, review of Turkish press, DX Pgm, Tlk on history of VOT (McGoy 3/13)(Hesch 3/8)
- 7225 TUNISIA RTT; 0525 AR, African type vocals in AR Mx, ID at 0530 (Diekman 3/8)
- 7255 NIGERIA Voice of Nigeria; 0557 EG, ID, drums & into FR @ 0600 (Moman 3/22)
- 7260 NEW HEBRIDES R. Vila; 0830-1000 EG/FR, @ 0830 Mx "Both Sides Now" into Nc. @ 0844 Pink Floyd's "Another Brick in the Wall" Severe ARO QRM, hard copy but definitely them. (Sbordone 3/19)(Alexander 3/23)(Greenwood 4/1)(Lobdell 4/2)
- 7265 GERMANY (WEST) Sudwestfunk; 0715 GM, Annrcmts, GM Mx, OM DJ (Alexander 3/12)
- 7266 INDONESIA RRI Surabaya; 2300 Indo, still heard on this frequency, Indonesian OM annrc & ID @ 2300. Nc followed with Mx. Not bad for the 75 watt station and fellows in Perth, It is on a clear channel. What a catch if it still on with only 75 watts. Heard only on a good Indonesian morning! (Hart-Australia)/Tnx Dave. ps.
- 7270 POLAND Polish Radio; 0315 EG, usual pgm, this freq. has been very good lately. (Braga 3/18); 0630 EG (Alexander 3/23)
- 7270 SOUTH AFRICA Radio RSA; 0414 EG, EZL Mx, tlk on school sports. Also // 9585 & 11900 KHz. All good (Ethen 3/25)
- 7299 CHINA? Unid; 1035-1100 presumed CH, lots of exotic singing with oriental Mx. OM & YI w/ dialog & singing with weird noises & voices in the background. YI w/ annrcmts @ 1045, more CH vocals & instrumentals. Annrcmts & pips. (Jordan 3/23)
- 7300 ALBANIA R. Tirana; 0330 EG, YI reading Nc topics, Cmtry, frequent IDs, NA @ 0356. (Danko 4/7)(Shrader 3/23)
- 7305 CHINA (CLAUDESTINE) Voice of Malayan Revolution; 2255-2330 per Crawford's tip, good w/ CH tirade, into Tamil 2321 w/ IDx! a la R Peking, Asian Mx // better 15790 KHz. (Krueger 3/26) Nice catch Terry. Tnx for the report. I'll have to try this one. ps.
- 7345 CZECHOSLOVAKIA R. Prague; 0120 EG, Cmtry, Mx, ID. // 5930, 9710, 11990, 9540 KHz. all giving fair to good reception. (Alexander 3/23)(Danko 3/19)(Fraser 3/6); 0413 SP (Wentzell 3/31)
- 7362A USA-PIRATE Moonshine Radio; 0555 tunein EG, OM annrc w/ "This is Monshine Radio..." into Pop Mx, "Double Vision" ID @ 0558 "This is Moonshine Radio coming to you from ten miles underground" other items, tuned out @ 0604 (Hywarren 3/9)

- 7370 USA-PIRATE Moonshine Radio; 0600-0650 EG, ID, Mx, Nx, mentions of Green River & Pioneer Radio, guest anncr Joseph Barnyard of Green River Radio. (Williams 3/9) (Radcliff)
- 7374.8 USA-PIRATE RLM, The Voice of Clipperton; 0707 EG, two OM anncrs reading satirical letters on "Listeners Mailbag" ID @ 0713 with anncd freq. of 7375, followed by pompous symphonic Mx. They anncd that they were on the air every Tues 0700-0730 GMT. ID as "RLM, Clifffordton." King Tut song by Steve Martin. Humorous "DX Forum" with Aaron Richardson and Mickey. Station freqs. were followed by satirical comments. Tech. difficulties forced them off @ 0720. On sporadically @ 0723, off for good @ 0725. Good signal with RTTY QRM underneath. (Lattemann 4/1)
- 7500 AUSTRALIA VNG; 1013 EG, time pips, ID VNG Lyndhurst (Wentzell 3/15) (Zilmer 3/25)
- 7550 SOUTH KOREA R. Korea; 2315 EG, Cntry, YL DJ, local Mx //15570 (Alexander 3/13)
- 7570T BURMA Voice of the People of Burma; 1225 Burmese?, OM singing Burmese folk song w/ harp-like instrument; apparent "combat news" in Burmese?, Heavy lightning QRM. Extremely poor (Peck 3/31) Tnx for the Tentative report Martin. I'll try to monitor this frequency and perhaps come up with more info or perhaps an ID. Anyone else? ps. ECUADOR HD210A; 0452 SP, time ticks, time anncmts in SP by OM every minute. Ute QRM moderate. (Walko 3/29)(Wentzell 3/31); 0200 SP (Johnston 2/18)
- 9009 ISRAEL Kol Israel; 2010 EG, "Thank Goodness It Is Friday" (Byron 3/21)
- 9020 CHINA CPBS-Peking; 1200-1240 CH, opera or theatrical presentation in progress w/ exotic instrumentations, noises, singing & dialog, very energetic. (Jordan 3/12)
- 9022 IRAN Voice of the Islamic Republic of Iran; "Familiar Voice" pgn noted from 0150 tune in, //15084, both in Persian. Where did the news media find this language "Iranian"? With everything going on lately, I have yet to hear or read about the language spoken in Iran correctly referred to. (Hywarren 3/8) The WTRH'80 lists Farsi as the principle language of Iran. Is Farsi Exactly the same as Persian? ps. 1930 EG (Braga 3/14)
- 9080 CHINA CPBS-Peking; 1210-1245 CH, periodic checks found a series of lectures or talks by OM. Into western & eastern serious Mx. //9064 (Jordan 3/12)
- 9170 CHINA R. Peking; 1205 CH, long tlk by OM & YL, Fair (McCoy 4/3)
- 9360 SPAIN SFR; 0050-0125 SP, Spanish Mx, IDs & Cntry (Cinert 3/19)(Ethen 3/23)
- 9410 GREAT BRITAIN BBC; 0227 EG, World Nx, sports scores to So. Asia. //9580 (Ethen 3/23)(Hart-Australia)(Earhart 3/22)
- 9420 NORTH KOREA Radio Pyongyang; 0600-0610 EG, YL w/ ID & into Nx pgn with mentions of Vietnam, Moscow & other topics. (Jordan 3/16) 1227 SP (Wentzell 3/27)(Halsema 2/28)
- 9460T PAKISTAN Radio Pakistan-Regional Services/Karachi; 1750-1801 Urdu, OM & YL anncrs with talks, brief mid-east musicspot. Tentative ID @ 1759. Weak signal (Jordan 3/15)(Greenwood 4/2)
- 9475 EGYPT Radio Cairo; 0245 EG, Hard Rock Mx featuring British Rock Group (Cinert 4/2) (Sellers 3/29)(Ethen 3/23); 0052 SP (Lattemann 3/22)
- 9495 MONACO TWR-Monte Carlo; 0700 EG, ID & freq. given as 9.5 MHz then religious pgn. (Noman 3/20)(Smith 2/15)(Saunders 3/16)(Jordan 3/30)
- 9490T TIBET Xiang-Lhasa (presumed); 1100, Radio Peking IS, into tlk by OM/YL, instrumental Mx 1134 to 1145 fade. Very weak; (Lobdell 4/10); 1435 CH (Moore 3/17)
- 9490 USSR Radio Moscow; 0215 EG, Cntry blasting US for propaganda including RL & RFE criticism. Exc. (Sellers 3/29)(No Name) Please double check to make sure that you include all details in your report. Including Your Name! Thanks. ps. USSR(Aa) Mayak HS; 1430 local IS, ID & RS mx from a different Soviet republic ev. weekday, in this order: "Govorit Tbilisi/Baku/Vilnius/Kishinev/Riga/Frunze/Dushanbe/Yerevan/Ashkhabad/Tallinn/Minsk/Tashkent/Alma-Ata"; good chance to tape every local IS & ID; //7320, 6115, 5990 & others. (Behr 3/24) Tnx for interesting logging Ernie.
- 9505 JAPAN NHK; 1305 EG, OM w/ Nx report. ID & more Nx. (Kowalski 3/31); 1400 EG 3/16) (Shrader 3/23)(Cinert 3/22); 1510 EG (Williams 3/30)(Hensley 4/1); 1020 EG (Jordan 3/15)
- 9515 TURKEY Voice of Turkey; 2200-2245 EG, ID, freq anncmts, Nx by YL, DX Corner, Mx //11955 KHz. (Williams 3/29)(Cinert 3/15)(Sullivan 3/14)
- 9515 GREECE Voice of Greece; EG Nx by YL @ 0143. Good & Exc on //11730 (Hywarren 3/8)
- 9525 POLAND Polish Radio; 0235 EG & Polish, mailbag, ID, poor (Ethen 3/23)
- 9530 BULGARIA Radio Sofia; 2141-2153 EG, SW Propagation forecasts. (Halsema 2/29)
- 9545 GERMANY(WEST) Deutsche Welle; 2150-2250 PT, Berlin festival. (Halsema 2/29)
- 9545 SOLOMAN ISLANDS SIBS; 0820 EG/Pidgin, Bible pgn, local Mx. //5020 KHz. heard, "Whoopis John" & biscuit ads. No beer? (Witte 3/23)(Hart-Australia)
- 9550 TURKEY Voice of Turkey; 2200 EG, Nx, to Australia //9515 & 11955 KHz. (Zilmer 3/30)
- 9560 ETHIOPIA VoRE; 1310 vernaculars, OM anncr, ID as "Voice of Revolutionary Ethiopia" Exc. unusual at this early time in the evening in Perth. (Hart-Australia)
- 9570 AUSTRALIA Radio Australia; 0839 EG, "Australia Today" Good (Wentzell 4/2)
- 9570T QATAR QRS; 2020 AR, chanting Mx to 2030 then OM anncmts (Moore 3/22)
- 9570 ROMANIA Radio Bucharest; 0130 EG, Pgn on Romanian arts (Eckman 4/6)(Cinert 3/31)
- 9570 SOUTH KOREA Radio Korea; *1000 EG, intro Mx, Nx, ID. (Lebryk 3/27)(Klein 3/10)
- 9575 ITALY RAI; 0113 EG, Nx by YL. Fair (Cinert 3/13)(Jordan 4/3)
- 9575 PHILIPPINES FEBC; 0905 EG, Mailbox. ID's, song requests (Witte 3/29)
- 9575 NIGER ORTN; 1610 FR, OM anncr w/ ID & local Nx. Good (Hart-Australia)

- 9579 PHILIPPINES Voice of the Philippines; 1003 EG, ID by OM, non-stop Bee Gees tunes till 1030 Fade. (Lobdell 3/25)(Krueger 3/15)(Klein 3/13) / 2)(Earhart 3/7)
- 9580 AUSTRALIA Radio Australia; 1104 EG "Focus on Australia" (Cucura 3/31)(Davenport 3/)
- 9585 CYPRUS CBC; *2210-2245* GK, 16 note IS, ID as "Ikyprus Kondassas." Nx, drama, GK guitar Mx. Good with Hungary QRM on 9585 (Johnston 3/9)(Peck 3/29)
- 9588T NEPAL Radio Nepal; 1227 Nepal17, string Mx & singing, Het, weak but definitely not Somalia on 9585. (Sbordone)(Peck 3/31)
- 9590 NETHERLANDS ANTILLES Radio Nederland; 0245 EG, t1k on USSR military (Ethen 3/23)
- 9595 JAPAN NSB; 1300-1356 JB, pop Mx, ID as "NSB" Good (Johnston 2/10)
- 9600 MEXICO Radio Universidad; Cf. April IR-C, back here now 1400 past 2000 w/ usual clsc1 Mx, soft SP OM ID and anncmts (Krueger) Tx for update Terry. ps.
- 9600 CUBA Voice of Cuba; long IS from 0510 (similar to RM LA services) till 0530, sign on by same RHC anncr, then into "From the Land of Music" a pgm of peppy Cuban Mx. Good but because this was the "blobs" freq., crappy quality (Hywarren 3/9)
- 9605 VATICAN Vatican Radio; 0100 EG, Religious Nx, QRM from USSR (Cinert 4/2)
- 9610 AUSTRALIA ABC-Perth; 1022 EG, Nx report on the challenge of the 80's, sports, regional Nx (Shrader 3/21)(Wentzell 3/27)(Grishin 4/8)
- 9615 ETHIOPIA VORÉ; 1600* Open carrier till 1605, s/off anncmts (Hart-Australia)
- 9620 EGYPT Radio Cairo; 0400 Quran chants, 0430 AR tlks, //9455 (Behr 3/10)
- 9625 CANADA CBC; 1805 EG, Royal Canadian Air Force salutes RCMP (Fraser 3/2)
- 9635 SINGAPORE Radio Singapore; CH @ 1115, Tlks by Y1, light instrumental Mx; Colombia missing this AM. (Lobdell 3/8)
- 9648 GUINEA Conakry; 0715 FR, African Mx. //15308. Both always Exc. (Hart-Australia)
- 9655 THAILAND Radio Thailand; 1124 EG, ID as "You are tuned to Radio Thailand" folk Mx show (Ethen 3/29) (Alexander 3/7)/
- 9660 VENEZUELA Radio Rumbos; 2355 SP, LA Mx, anncmts, ads, tones between anncmts./
- 9665 MALAYSIA Kuala Lumpur; EG 1530, pop Mx, "I Need Your Love" on to 1630 and off with National Anthem. Fair (Witte 3/31)
- 9675 BRAZIL Radio Marumbi Limitada; 0906-0920 PT, religious voal Mx, Tlks by OM anncr. complete with ID & freqs. into PT ballads. Loudi (Cunningham 3/8)
- 9695 SWEDEN Radio Sweden; 0230 EG, World Nx & Panoramas, SCDX's (Reynolds 3/4)
- 9710 MALAYSIA Radio Malaysia-Penang; 1400 Mal. t1k, 1430 Nx //9665, 9515 (Behr 3/26)
- 9715NF SOUTH AFRICA Radio RSA; 0200 EG, ID, Nx & "Panorama" (Williams 3/25)(Reid 3/22)(Earhart 3/29)
- 9720 SRI LANKA SLEB; 1246 EG, Mx "Wait For The Light To Shine" (Wentzell 3/16)
- 9740 CZECHOSLOVAKIA Radio Prague; *0100 EG, IS, ID, world Nx (Ethen 4/3)(Cinert 3/19) 0300 EG (Howard 3/25)
- 9740 SINGAPORE BBC Relay; 1110 EG, OM w/ Nx, ID (Jordan 3/15)(Shrader 3/20)
- 9749.5 SOCIETY ISLANDS Radio Tahiti; 0810 FR, Island Mx, OM w/ ID //6135, 11825 & 15170 KHz. (Krueger 3/30) Did you hear them on 6135 KHz. or was this just anncd? ps.
- 9750 TANZANIA Radio Tanzania; daily 1330-1500 in SH, ID's, Eaf h1life not //9683 KHz. Both seemingly close down 1500. Wish somebody could provide a new sked, as recent LN reports and WRTX are obviously incorrect. (Krueger)(Sbordone)
- 9760NF FINLAND Radio Finland; 0328 EG, IS, ID, ex-9645. Bad Choice! (Buer 3/24)
- 9760 SOUTH AFRICA-Transkei Capital Radio; 0735 EG, Nx & Pop Mx (Hart-Australia)
- 9770 HAWAII KVEH; 1111 EG, t1k by Y1, Nx. //11835, QRM from ABC (Ethen 3/29)
- 9815 ISRAEL IBA; 0210 EG, contest info, Olympic games t1k, //11637, 15582, 15105 all Good (Ethen 3/23)(Eckman 3/21)(Bodle 4/4)
- 9815M SOUTH KOREA Radio Korea; 1328 EG, ID, Cntry, Pop Mx, gave address and asked for reports. Y1 (Nikolich 3/16)(Braga 4/1)(D'Angelo 3/16)(Buer 3/8) SP to 1500* (Buer 3/8)
- 9953 CLANDESTINE Radio Freedom of South Yemen; 1410, heard in Lancelin, I was fascinated to see McViss's report of it in NASWA. Unbelievably Good signal (Hart-Australia)
- 9977 NORTH KOREA Radio Pyongyang; *1100-1132 EG, Nx & Cntry, Mx. Good (Shrader 3/27)(Ethen 3/29)(Fraser 3/4); 1230 EG (Halsema 3/11)(Wentzell 3/27); 1312 EG (Nikolich 3/16); 1400 EG (Bryan 3/17)
- 11463 IRELAND (Pirete) Radio Concor International; *0605 EG test to Australia/NZ; pop Mx, IDs by OM, gave Dublin phone # (214356) for calls, gave Wx & read horoscopes. IDed as the "Voice of Ireland" @ 0658; till 0805* Fair (Lobdell 4/6)(Fisher 4/6)(Field 4/6); *0900-1047 EG (Valko 3/16)(Cucura 3/23)(Jordan 3/23)
- 11505 CHINA Radio Peking; 2230 EG, CH language lesson (Zilmer 3/30)
- 11620 INDIA AIR; 1932 EG, Nx (Woman 3/9)(Bryan 3/10); 2102 EG (Valko 3/22)
- 11637 ISRAEL Kol Israel; 2230 EG, Nx followed by a DX Pgm (Haysbrook 3/23); 0100 EG (Davenport 3/5)(Cinert 3/21)(Earhart 3/27)(Thompson 3/21); 0500 EG (Byron 3/9) Haysbrook 3/9)(Hensley 3/26)(Smith 2/19)
- 11665 KUWAIT Radio Kuwait; 2030-2100* EG, "Pop session" pgm to s/off (D'Angelo 3/30) (Chavdarian 4/7)(Conover 3/15)(McClellan 3/15)(Woman 3/21)
- 11675 PAKISTAN Radio Pakistan; *1700-1730* EG, Nx, Mx, ID as "World Service of Radio Pakistan" Fair (Johnston 2/16)(Braga 3/18)

Best of Rare DX to Everyone!

That's it for now. Thanks to all who reported and to those who didn't, make a special effort to do so. Time is running out to make arrangements to attend ANARCI 73'S *Peter*

log report section

11700 TO 17699



TERRY COLGAN

- 11700 SWAZILAND TWR: 1954 lang, church service, anmt by W (Eckman)
11700 VATICAN VR: 2128-2133 EG, cmntry, Af svc (Cinert)
11705 AUSTRALIA RA: 1404-1410 EG, nx, ID (D'Angelo)
11705 SWEDEN RS: 0230-0300, 2300-2328 EG, "SCDX", "Panorama", wrld nx, IDs, lbx (Bauernhuber + others) (Thompson + others)
11715 SWITZERLAND SRI: 0143-0215, 0322-0345 EG, IS, ID, TC, nx, lbx, cmntry
11730 GREECE VOG: 0130-0150*, 0345 EG, nx, vocal mx, cmntry, ID (Davenport, Reid, Thompson)
11735 USSR RM: 0020-0045 EG, ID, lbx (Davenport) (Cunningham)
11740 OMAN BBC: WS *0257-0301 EG, IS, site ID, under co-channel WYFR
11740 ALGERIA R. Algiers: 2100 EG, nx, wx, mx, //11810 (Zilmer)
11745t TAIWAN VOFC: 1255 CH, tlk by M & W, folk mx, psbl ID @ 1300 by W, p, 3/30 (Peck)
11750 SINGAPORE BBC: *WS 0858 EG, IS, ID, wrld nx (Smith, Wade) 1600-1615* EG, wrld nx, cmntry (Thompson)
11755 FINLAND RF: *0330-0400 EG, "Northern Report", "Compass North", "Starting Finnish" lang lesson, into FN after ID @ 0400 (Earhart, Ethen, Moman)
11760 CUBA RHC: 0106 SP, speech by M w/ crowd noises in background (Davenport) 0345-0432 EG, live speech by Prime Minister Maurice Bishop of Grenada, 3/17 (Briscoe) (Cinert)
11770 USSR R. Vilnius: 2320-2330 EG, lbx, ID, IS, into R. Rodina RS @ 2330
11775 SPAIN REE: 0132-0140 SP, ID by W, tlks (Davenport)
11780 BRAZIL RNB: 2230 PT, tlk, mx (Sorensen)
11785 BRAZIL R. Guaiba: 0900 PT, M w/ nx, 4/4 (Moore) ID hrd??-tc
11790 LIBYA SPLAJBC: 2200-0302* AR, in QRM, noted 3/12 only, next day back on 11690 (Behr)
11790v INDONESIA VOI: *1359-1500* EG, IS, ID, nx, "How to Speak Indonesian", IN pop mx (Valko + others)
11790 USSR R. Rodina: 0030* RS, class mx, M & W w/ ID (Eckman)
11790 USSR R. Kiev: *0030 EG, "Spotlight on the Ukraine" (Eckman)
11790 USSR RM: 1400-1415 EG, IS, ID, nx, cmntry, hvy VOI QRM (Valko)
11790 USSR R. Vilnius: 2308-2329 EG, cmntry, speeches, sports (Shrader)
11800t SRI LANKA SLBC: 1158 presumed Tamil, film mx sung by W, psbl ID @ 1200, tlk by W on Iran, f, 3/31 (Peck)
11810 ALGERIA R. Algiers: 2100 EG, nx, mx, //11740 (Zilmer)
11815 POLAND PR: 0200-0230 EG, ID, nx, cmntry, into PL @ 0230 (Cinert, Earhart, J. Williams)
11815 MOZAMBIQUE RM: 1103-1120 PT/EG, W w/ nx to 1110, pgm of US rock mx w/ M ancr, f, 3/23 (Jordan) BBCMS lists EG 1100-1130--tc
11830 CLANDESTINE V. of the Malayan Revolution: *1450-1530 EG, ID repeated 2X, IS & anthem, freqs given by W, nx & cmntry to 1500, no ID on hr, on-going story of revolutionary heroes, R. Korea QRM from 1500, fair before, 4/3 (MacLaughlan) Haysbrook, J. Williams)
11830 SOUTH KOREA RK: 1600-1630, 1800 EG, ID, nx, cmntry, tlks (Hoffmann,
11835 LIBERIA ELWA: *2206-2015, IS, alternating AR/EG/FR IDs to 2015, into AR pgm (Eckman, Newkirk) sure about this freq??--tc
11835 URUGUAY R. El Espectador: 0905 SP, nx w/ M ancr (Moore)
11840 PORTUGAL RP: 2300-2330 PT, TC, ID, tlk by M (Lang)
11845 VATICAN VR: 0100 EG, "Word of Life" (Yingling)
11855 SEYCHELLES FEBA: *0310-0320 SH, IS w/ IDs to 0315, rel pgm, bad splatter from RCI-11845 (Buer)
11855 SAUDI ARABIA BSKSA: 1814-1848, 1920-2000, 2100-2200 EG, nx, IDs, "Evening Show", "Date to Remember" (Saunders + others)
11860 BULGARIA R. Sofia: *2125-2135+ EG, IS, to 2130, nx, reg features, mixing w/ R. Norway (Buer)
11865 MALTA DW: 0128-0150 EG, IS, ID, nx, magazine pgm (Davenport, Shrader)
11870 AUSTRALIA RA: *1458, 1600-1630 EG, ID, wrld nx, sports, lbx (Cinert, J. Williams)
11870v USSR RM: WS 1510-1517 EG, reg pgms, carrier off 3X & freq varied from 11870 to 11875, accompanied by frying sound & squeals, 3/24 (Shrader)

- 11875 CAMEROON R. Nac.: 0625 FR, pop & Af mx, many, many IDs, //9745 (Hart)
 11880 SPAIN REE: 0105-0145 EG, nx, tlks (Ethen, Haysbrook, Hoffmann)
 11885.6 NORTH KOREA R. Pyongyang: 1500 EG, to Af, //9977 better (Behr)
 11895 AUSTRALIA RA: *2230 VT, IS, ID by W, VOA QRM (Grishin)
 11900 SOUTH AFRICA R. RSA: 0238-0250 EG, DX pgm, nx-in-brief (Earhart)
 11905 WEST GERMANY DW: 0700 FR, ID, nx, M w/ tlk (Alexander)
 11905t THAILAND RT: 1128-1155 EG, M w/ nx--Thailand mentioned 3X, "tinkling" celeste mx @ 1140, then M w/ tlks, orch mx @ 1150, vp, 3/14 (Jordan)
 11910 HUNGARY R. Budapest: 0200-0230 EG, ID, nx by W, cmntry, //17710 better (J. Williams)
 11915 ECUADOR HCJB: 0215-0300 EG, IDs, TC, "DXPL" (Thompson, Yingling)
 11920 BULGARIA R. Sofia: 2130-2200 EG, nx, ID, folk mx (Buer, Cinert)
 11925 PORTUGAL RP: 0300-0330, *0500 EG, ID, nx, DX pgm, lbx (Ethen, Sullivan, Yingling)
 11930 LIBERIA ELWA: 0623 IS w/ multi-lang ID, into AR @ 0630 (Kowalski)
 11938 KAMPUCHEA VOKP: 1205-1225 EG, tlks, vocal mx, ID & into FR (Jordan) FR sked @ 1215--tc
 11940 SINGAPORE RS: 1123-1145 EG, M w/ wrld nx, IDs, TCs (Cucura, Ethen)
 11955 TURKEY VOT: 2033-2114, 2202-2245 EG, nx, press review, DX pgm, IDs, lbx, pop mx (Bodle + others) (Krueger, McCoy)
 11960 MALI R. Nac.: 0810-0858 FR, tlks, drums/hilife mx, M w/ ID @ 0857
 11975 EAST GERMANY RBI: 0100-0140, 0238-0300 EG, IDs, nx, cmntry, lbx (Hoffmann + others)
 11990 CZECHOSLOVAKIA RP: 0100 EG, nx, tlks, mx (Cinert, Earhart)
 12010 USSR RM: 0130+ EG, RS pop mx, nx, tlks, etc (Cinert, Yingling)
 12015 AUSTRIA ORF: 0100-0120 SP, IS, multi-lang ID, nx by M, cmntry, orch mx (Jordan) 0425-0454*, 2306 EG, IS, ID, nx, "Report from Austria", lbx, "Austrian Shortwave Panorama" (Lattemann, Zilmer)
 12050 EGYPT RC: 0235-0247 EG, ID, mx, tlks (Chavdarian)
 12050 USSR RM: 0515 EG, "Moscow Mailbag" (Haysbrook)
 12070 MONGOLIA RUB: *1219-1239 EG, chime IS w/ ID by M, anthem, nx, cmntry, patriotic mx, Mayak QRM, p (Braga, Cucura, Cunningham, Jordan, Klein, Peck)
 12095 GREAT BRITAIN BBC: WS 2100-2115 EG, "World Radio Club" (Zilmer)
 14990v VIETNAM VOV: 1930-2030 FR, EG from 2030, nx, cmntrys, some mx, bad hum or rumble on audio (Krueger, Newkirk, Potter)
 15000 CHINA BPV: 1330, CW ID repeated 14X from 1330-1331, WWV-WVVH-JJY all gone (Moman)
 15012v VIETNAM VOV: 1800-1855, 2036-2105 EG, wrld nx, tlks, IDs, VT mx, lbx (Briscoe + others)
 15045 GRENADA RFG: 2130-0003* EG, soccer game, pop mx, obituaries, IDs, BBC nx @ 2300 (Reid + others)
 15060 SAUDI ARABIA BSKSA: 1802-2230 AR, tlks, nx, AR mx, ID (Schipelliti, Sorensen, Thompson)
 15075 AFGHANISTAN RA: *1900-1930* EG, ID repeated 4X by M, nx, cmntry, pop mx (Johnston + others) J. Williams)
 15105 ISRAEL KI: 0015, 0100-0125 EG, mx, ID, nx, "Studio 3" (Cinert,
 15110 INDIA AIR: 2115-2128, 2200, 2245-2300+ EG, nx, IDs, Indian mx (Hywarren + others)
 15120 NIGERIA VON: *0830 EG, wrld nx, cmntry, lcl mx (Braga)
 15120 SRI LANKA SLBC: 1845 EG, Indian-type mx, ID @ 1847 (Braga)
 15120 POLAND PR: *0200-0240 EG, nx, "This Week in Poland", "Polish News Magazine", wx, into PL @ 0240 (Cinert, Earhart, Reid)
 15125 SWITZERLAND SRI: 1815-1845 EG, nx, cmntry ID (J. Williams)
 15130 SEYCHELLES FEBA: *0200 EG, IS, ID, TC in Indian & Pakistan standard times, into lang pgms, 4/7 (Baxter)
 15145 AUSTRALIA RA: 0803-0935 EG, nx, mx, several IDs (Bodle) Earhart)
 15150 CHILE VOC: 0024, 0128-0158 EG, tlks, Chilean mx, cmntrys (Cinert,
 15155 SOUTH AFRICA R. RSA: *0200-0250*, 2115-2146 EG, IS, ID, nx, interview, "Saturday Night RSA", "DX Corner" (Alexander + others)
 15160nf ALGERIA RTVA: 2330-0136* FR/SP, noted after M. Cooper's tip, avant-garde mx, "LV de la Resistencia Chilena" pgm from 0103, //6160, 7195, 7246 (Krueger)
 15165 INDIA AIR: 1800 EG, ID, freqs, nx, cmntry, weak (Ethen/Reynolds +)
 15165 DENMARK RD: 1755, 1855 EG/DN, IS w/ multi-lang IDs, into DN pgms
 15170 SOCIETY ISLANDS RT: 0315 FR/TT, island mx (Grishin)
 15175 BELGIUM BRT: 0020 EG, nx, mx, tlks (Cinert, Earhart)
 15180 GREAT BRITAIN? BBC: 1555 AR, nx, mx (Lang)
 15190 CONGO RTC: 1315 FR, lcl mx, Af mx, hrd via short path (Hart)
 15190 FRANCE RFI: 1645-1702 FR, round-table discussions, FR pop mx, ID @ 1701 (Cunningham)

- 15200 AUSTRALIA RA: 1850-1910 EG, jazz mx, nx (Sorensen) (Shrader)
 15225 NETHERLANDS ANTILLES TWR: 1256-1330 EG, orch mx, rel tlks & mx
 15228t ALGERIA RTVA: 0120-0135 SP, per Behr's logging in March LR-D, found
 pgm of SP tlk by M, no positive ID, hvy QRM @ 0130 (Jordan)
 15230 PORTUGAL RJ: *2158+ EG, IS, nx, tlks, QRM de RHC & TWR (Buer, Jordan)
 15230 CUBA RHC: 2105-2150 SP, M w/ tlk to enthusiastic crowd, patriotic
 vocal & inst mx (Jordan)
 15250 ECUADOR HCJB: 0100-0340 EG, "Telling the Truth", IDs, TCs, lbx,
 rel tlks (Danko + others)
 15260 JAPAN FEN: 0500, 0755-0910 EG, nx on the hr, pop mx, wx, annod
 only this freq (Behr, Howard)
 15260 ASCENSION ISLAND BBC: WS 2300 EG, nx (Yingling)
 15265 SOUTH AFRICA R. RSA: *0154-0210 EG, IDs, TC, nx, "South African
 Panorama" (Hensley)
 15270 JAPAN RJ: 0505-0515 EG, wrld nx, cmntry, ID @ 0515 (Hensley)
 15270 FINLAND RF: 2130 EG, "Northern Report", "Voices of Finland" (Zilmer)
 15270 TAIWAN VOFC: 2204-2255 EG, tlks, "Let's Learn Chinese" (Sorensen)
 2230-2255 EG, test xmsn w/ many IDs, CH mx, into CH @ 2245, 3/9
 (Hywarren)
 15275 SWEDEN RS: 2300-2330 EG, nx, IDs, "SCDX" (Reid + others)
 15285 BANGLADESH RB: *1230-1242 EG, IS, ID by M, nx, cmntry, p (Jordan)
 15285 SOUTH AFRICA SABC: *0620 AK, tlk & mx, good past 0730 (Behr)
 15285 EAST GERMANY RFI: 1420 EG, W w/ nx (Cinert)
 15290 BRAZIL RNB: 0314-0335 EG, Brazilian mx, tlks, severe co-channel QRM,
 jamming? (Earhart, Shrader)
 15290 WEST GERMANY RFE: *2150-2200* EG, Fri cmntry (Krueger)
 15290a UNIDENTIFIED: 0630-0800 psbl GM, continuous EZL mx pgm w/ M host,
 appears to be a SW relay of "R. ????? Rundfunk", 4/8 (Greenwood)
 15305 SWITZERLAND SRI: 0145-0215, 0700-0730 EG, nx, "Sunday Supplement",
 "Dateline", "SSM-g-R" (Alexander + others)
 15310 BULGARIA R. Sofia: 0130 SP, ID & s/on anmts, into nx (Hywarren)
 1830-1900 EG, IS, nx, Af svc (J. Williams)
 15310 JAPAN RJ: 1258-1305 EG, IS, ID, gen svc (D'Angelo)
 15325 UGANDA RU: *0300v-0410* EG, usual pgms (Diekman + others) Yingling)
 15333 COLOMBIA R. Nac.: 0225-0335 SP, class mx, M w/ tlk (Bauernhuber,
 15345 NORWAY RN: *1600-1630 EG, ID, nx, "Norway this Week" (Cinert,
 Hoffmann, J. Williams) others)
 15345 NEW ZEALAND RNZ: 0346-0528 EG, nx, IDs, TCs, orch mx, opera (Clift +
 15350 LUXEMBOURG RL: 1814-1834, 2300 FR, rock & disco mx (Johnson,
 Sorensen)
 15360 SEYCHELLES FEBA: 0450-0455 EG/SH, end of EG rel pgm, ID by M; into
 SH (Hensley) (Lebryk, Moman)
 15365 CANARY ISLANDS REE: 2040-2050 SP, IS, ID, freq anmt, class mx
 15380 BELGIUM BRT: 0015 EG, nx, tlks, pop mx (Byron, Cinert, Hywarren)
 15385 BELGIUM BRT: 0015-0045 EG, IS, nx, pop mx, DX pgm (Reid + others)
 BRT moved here from 15380 on 3/21--tc
 15385t PHILIPPINES? FEBC?: 1400-1646* CH, rel pgm & hymns, mentioned Manila
 but no ID, not //9715 in CH (Behr) see April LR-D-3--tc
 15385 LIBYA SPLAJBC: 1920-1959 AR, AR mx, nx @ 1930, more mx (D'Angelo)
 15390 ISRAEL KI: *0400 HB, HS IS, M w/ opening prayer, into usual pgms
 (Klein)
 15400 ASCENSION ISLAND BBC: WS 0507-0515, 1620-1709 EG, nx, TC, IDs,
 "The World Today", "Correspondent's Report" (Earhart, Thompson)
 15400 FINLAND RF: 1300-1449* EG, "Northern Report", "Compass North",
 lbx, sports (Bonnet + others)
 15400 SEYCHELLES FEBA: 0316-0350 FS/AR, tlks by M, vocal & organ rel mx,
 some class mx, IS @ 0340, AR ID @ 0345, into AR rel pgm (Lattemann +)
 15405 MALTA DW: *1535-1545 HD, IS w/ HD ID to 1540, EG site ID @ 1540,
 sitar mx, nx to 1545 tune out (Buer)
 15405 USSR R. Vilnius: 2300-2330 EG, W w/ wrld nx, tlks, sked, ID (Jordan)
 15415 ISRAEL KI: *0500-0515 EG, IS, ID, W w/ nx, press review, wx (Jordan)
 15420 USSR RM: WS 1230-1258* EG, brief nx, request show (Braga)
 15420 USSR RSPP: 1530-1540 EG, nx, cmntry, anti-US propaganda (Sorensen)
 15425 SRI LANKA SLBC: 0135-0205 EG, rel tlks, M w/ address, ID by W (Jordan)
 15428.6 PORTUGAL RP: 2230-0057* PT, pop mx, ID & anthem to s/off, hrd only
 3/7 (Behr)
 15430 USA AFRTS: 0305, 1409-1415 EG, basketball game, wrld nx, cmntrys
 (Yingling, Reynolds)
 15435 TANZANIA RT: 1035 SH, hrd @ f lvl w/ many IDs (Hart)
 15445 BRAZIL RNB: 0005-0020, sports, spot IDs, anmts (Jordan)

15455 USSR RM: 0130, 0400 EG, DX pgm, nx (Yingling, Zilmer) (Eckman)
 15455 USSR R. Atlantika: 1700 RS, TC @ 1700, EZL mx, disco style ID
 15470 USSR RM: WS 0500 EG, nx (Moore)
 15470 PAKISTAN RP: 1742 Urdu, M w/ nx, brief mx, ID (Bryan)
 15490 USSR RM: WS 1249-1300 EG, mixed mx, nx @ 1300 (Bodle) + others)
 15520 CHINA RP: 0020-0055, 0100-0145 EG, CH mx, lbx, tlks, IDs (Weinhold
 15525 USSR RM: WS 1300-1330 EG, ID, nx, "News & Views" (J. Williams)
 15535 USSR RM: WS 2200 EG, nx (Zilmer)
 15560 AUSTRIA ORF: 1800 GM, IS, ID, nx (Bryan)
 15570 SOUTH KOREA RK: 0810 FR, tlk by W, lcl nx, //11810 (Alexander)
 15582 ISRAEL KI: 0000-0030, 0100-0125, 2230-2300 EG, nx, IDs, "Calling
 All Listeners", "Israel Mosaic" (Fraser + others)
 15710 CHINA RP: 1240-1300* CH, tlk by W, inst mx (McCoy)
 17605 NETHERLANDS RN: 1830, 2115-2120 EG, wrld nx, "Newline", "Stamp
 Corner" (Cinert, Sullivan)
 17650 CHINA RP: 0301 SP, IS, ID (Sorensen)
 17680 CHINA RP: 0015-0020, 0210-0255, 0417-0425 EG, wrld nx, cmntrys, CH
 mx, IDs (Halsema + others)

A shorter than expected column this month. As always, thanks to those who took the time to send in reports. If anyone has written me lately and not yet received a reply I apologize for the delay. I haven't forgotten about you, I'm just behind in my correspondence. 73 de TC

Terry

WANTED: Copies of WRTH for 1960, 1963, 1965 to 1968, 1970 and 1972. State year, condition and asking price. Terry Colgan, 8120 Ripplewood Drive, Austin, TX 78758.

FOR SALE: Yaesu FRG-7, Gilfer modified, and GAR-7 Digital Readout, price \$375. Kenwood Model R-300 general coverage receiver, price \$225. Palomar Frequency Calibrator, price \$25. Sanyo RD4550 Stereo/Cassette Recorder Deck, price \$65. All items like new with manuals and factory cartons. I pay shipping. William H. Moore, 11411 N. Garfield Street, Waynesboro, PA 17268. Phone (717) 762-4952. No collect calls.

FOR SALE: Drake SFR-4, factory aligned, with all standard crystals plus all tropicals, noise blanker, matching speaker and other options. Also Telex CS-7 headphones. I ship. You call and we'll deal. Tom Farland, P.O. BOX 726, Cedar Rapids, IA 52401. Phone (319) 377-3094.

WANTED: Collins mechanical filters for 51-J series. Also Ameco FET preselector. Write stating specifics and prices. John T. Arthur, 12000 Oat Gap Road, Potter Valley, CA 95469.

FOR SALE: Yaesu FRG-7 and Y-55 headphones. Gilfer modified for 4 kHz filter controlled by front panel switch. Only 1½ years old and in mint condition. Price \$340.00, I pay UPS. John Gramarossa, 2720 North Moody Avenue, Chicago, IL 60639.

FOR SALE: DX-160, 4½ years old, slight wear on front panel. Earphones and manuals included. Price \$75.00 ppd. Bob Woods, 808 Rodney Avenue, Front Royal, VA 22630. Phone (703) 636-6207 weekends or weekdays after 2300 GMT. No collect calls please.

FOR SALE: Allied AX-190 hamband receiver with speaker and manual, price \$125. GE mini-cassette recorder, price \$30. Fred Schumacher, RR 2, Box 231, Kindred, ND 58051.

log report *section*

17700 & ABOVE



BRETT SAYLOR

To start off this month, some interesting reports of Guatemala:

- 18266h GUATEMALA Adventist World Radio; 0100 EG/SP, heard on its first night on SW, beautiful signal, vry strong and free of QRM, slight audio distortion; included EG hymns and ID's during SP section. At first ran full ID's in SP for all 4 stn's, TGMU-1330, TGMB-105.5 FM, TGMUA-5980, TGMUB-6090, and gave Apt.51-C address; later ID as TGMUB only, Apt.35-C. Five-minute long choral anthem prior to s/off at 0500 GMT. Programming featured a nightly "DX" program at 0230-0300 which consisted mostly of hymns, Bible readings, "Health Files". This freq 1st heard 3/22, last heard 3/26; see also 17935.5 (below) (Hauser, 3/22-26) TGMUB Union Radio, AWR America, 0226 EG, w/ conclusion of religious pgm. Announced as 1st nite of xmsn, with special gift & QSL to first nite reporters. Station info given as 5 KW dual dipole NW-SE antenna; fundamental 6090 not heard. Into SP pgm @0300. Poor to good here thru the week (Clift, 3/22)
- 17710 HUNGARY R Budapest; 0000 SP, 0030 HG, 0200 EG, 0300 EG, w/ IS, ID nx, commentary, mx & request pgms, very good signals (9 reporters)
- 17720 FRANCE RFI; 1717-1735 EG, PCA pgm, nx & mx; poor under het (Ethen 3/30, Reynolds)
- 17730 BELGIUM BRT; 1705-1730 EG, "Brussels Calling" pgm, nx & mx (Eckman 3/21, Ethen, Williams)
- 17755 JAPAN R Japan; 0100, 0300, 0400 EG, nx & events, cmtry on world affairs (Jordan 3/13, Hensley, Grishin, Moore)
- 17764.1 MEXICO R Mexico; 2348-0014 SP, I AM mx, ID by M, poor (Schipelliti 4/8)
- 17790 GUAM KTWR; *0000 EG, IS, ID, vry poor (Braga 3/20)
- 17795 F.R. GERMANY DW; 0034-0150 GM to NAM, QRM to R Australia's NAM svc; vry good. (Hardester 4/5, Halsema)
- 17830 SWITZERLAND SRI; 1812 EG to Afr, 2300 PT to Brazil, 0058 IT into SP @ 0100, w/ ID's, nx, sports pgm (Schipelliti 4/9, Wentzell, Fraser)
- 17870 USSR R Vilnius; *2300-2330* EG, nx, mailbag pgm (Sullivan 3/15)
V of Yerevan; 0353 1/2 EG, w/ their 20 min./week NAM svc // 15100 'til 0358 (Hauser, 3/19)
- 17930 LIBYA SPIAJBC; 1700-1800 AR, vocal and orchestral mx, ID's, nx (Halsema 4/6, Ethen, Jordan)
- 17935.5 GUATEMALA AWR; *0040 EG/SP; After 5 nites on '6090', AWR decided to try '5980' instead. Testing on 3/27 w/ poor mod, not heard subsequent evenings that week. Noted 4/3 onwards with greatly suppressed harmonic but not totally eliminated, at times better than 5978.5 fund, due to lack of QRM (Hauser)
- 21480 UNITED ARAB EMIRATES Dubai Radio; 0638-0805 AR, nice local mx, ann by M, ID "...Arabiyah...min Dubai", vry good (Klein 4/5, Moore)
- 21485 UAE Dubai R; 0559 AR/EG, booming in w/ AR ID; at 0649 heard w/ EG ann of test to Europe & NAM, at 0659 end of test and resumed relay of MW domestic svc (Hauser, 4/6)
- 21500 UAE Dubai R; *2215-2315* EG, ID, test xmsn to SE Asia, Aust & NewZ, asking for reports; mixed mx (Cucura 3/15); 2304 AR/EG, P.O. Box 1695 address given, offering QSL; still fluttery past 0100 on 3/16 w/ test tone segments & taped AR mx; they appear to be planning a major int'l svc, including registering 11755 & 9505 for beams to NAM.
- 21615 SWEDEN R Sweden; *1400-1430* EG, "Saturday Show", (Hauser)
"Panorama", nx & mx (Bodle 4/4, Shrader, Hoffmann, Fraser, Jordan)
- 21660 ASCENSION ISLAND BBC; 0825 EG, WS pgm beamed to Aust & NewZ, mx on a harsichord, sched times *0730-0915* (Munster 3/26)
- 25285h ALBANIA R Gjirokaster; audible as late as 1720 in presumed Albanian, 5x5057; certainly not IBA Israel as has been reported (Hauser 3/29)

Many good reports this month, more than I could fit in. Thanks to everyone for reporting, hope to see a lot more activity in the higher freq's as summer comes. 73's & best of DX !!!!!

73's

ANTENNAS/ACCESSORIES

EDITOR: MIKE AGNER c/o DELPHI ASSOCIATES 169 MERRIMACK ST. 4TH FLOOR
LOWELL MA 01853

Hi all. This was a very busy month for me at work, so without further ado, let's see what is in my file from the membership;

Errol Urbelis, NY

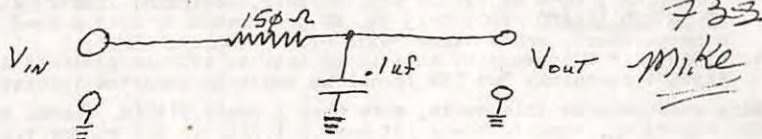
Shakespeare 176 vertical 11 meters modified full wave 45 foot high
****Errol, how abt sending in those modifications?****mja
2 Bigston cassette recorders
Lafayette Reel to Reel recorder
****Model num?****mja
24 hr clock
15 element Lafayette TV VHF Yagi
****for HF, Errol?****
Veritas Earphones ****??mja****
Mosley SWL7 dipole
parallel dipole for 16,19,25,31 meter bands
31 meter inverted v
PLF2 preamp by Ameco
Sony TCM121 cassette recorder
"Todd Graves" antenna tuner
Lloyd's reel to reel recorder (2 speed)
Copal 24 hr. digital clock
RS "Nova 10" headphones
4" cone speaker in bass reflex cabinet
Horn speaker (Univ. CIB8)
Trio Signamax preamp/preselector/balun ***Pete, is this still in production?****mja
Homebrew audio filter using audio crossovers. It has a variable BW down to 550 Khz at 12 db roll-off /and a speech clipper using diodes ***Schematic, pse!!**mja
66 foot helivert
Odd length fan dipole. This is a design that Tom wrote abt a few years ago. It consists basically of 4 legs; 2 cut for $\frac{1}{2}$ wave on 60 meters, the other two cut for a $\frac{1}{2}$ wave on 19 mb. This is a fine performer as ye ed used it for 2 yrs at my NJ home. (mja)

Ed Casco, Cal.

Peter Kerr, Ontario Can.
hey, look at this- my first non-USA contribution!**mja

Tom Alleman, Mo. (Editor, Update)

Finally, we present the static filter that Stu Klein of Florida mentioned in his contributions not long ago. It goes, according to his letter, between the tape output of his rx and a tape recorder (by Lloyd's)



PUBLISHER'S PAGE



WANTED: Information on the McKay DA100 active antenna from anyone who owns one. Before I buy one I'd like to hear from fellow NASWA members on their experiences with it. Frank Wheeler, 415 East Farmer, Andover KS 67002.

FOR SALE: Realistic SX-190 receiver in excellent condition, manual included, 2½ years old. Has 16 to 49 m broadcast bands, 15 to 80 m ham bands, CB band (27.0 - 27.5 MHz). Price \$250 Canadian or \$225 US plus shipping via air freight. Price includes speaker. Dr. Allan Stuart, 604 Hopkins St., Apt. #5, Saskatoon, Sask., Canada S7J 0N2 or phone (306) 343-6737 evenings or weekends. No collect calls, please.

FOR SALE: Drake R-4B and MS4 speaker. Gilfer modified for SWL. Excellent condition, complete with manual. Write for details. Make offer. Corky Webb, 4710 Abbott, #201, Dallas, TX 75205.

FOR SALE: Panasonic RF2800, \$85. MFJ-900 Antenna Tuner, \$10. Sony portable cassette with built-in mike, \$18. Bird Ham-Mate Wattmeter (0-200, 0-2000 watts), \$20. All in good condition. Carl Durnavich, 427 Calumet Blvd., Harvey, IL 60426.

FOR SALE: Panasonic RF-2900 in mint condition, 3 months old. Price \$185 including UPS shipping. Dennis Filka, 6324 Mandalay Drive, Parma Hts., OH 44130. Phone (216) 884-1175, not collect.

WANTED: Autek QF-1, Panasonic RF-2200, 2600 or 2900 (mint condition only), and a 12.0 crystal for SPR-4. **FOR SALE:** Franklin 24 hr. clock, excellent condition, \$19. KS Preselector, \$65. Jim Uerlings, 3908 Kelly Drive, Klamath Falls, OR 97601. Phone (503) 884-7659 after 0100 GMT. Not collect.

MOVING SALE: 1980 Panasonic RF-2900 digital portable, \$165. 1979 (late) Sony ICF-6800W digital receiver, multivoltage version, \$545. Both receivers in flawless condition with guarantee cards. Also Gilfer A-20 preselector, 3.2-18 MHz high-gain version, \$48. Joystick-Joymatch tuneable all-band indoor SW antenna system, \$65; also, separate Joystick antenna (7' length) for coupling to Joymatch or other pi-tuners, \$35 each. Offer not valid after our move on June 10. Call (not collect, please) (215) 663-1179 or write Larry Magne, 15 North Central Ave., Rockledge, PA 19111. Prices include shipping/insurance within continental U.S.

FOR SALE: Hammarlund HQ-200 in excellent condition with manual, general coverage. Price \$150. Hammarlund matching speaker, \$25 and Data Engineering FMS-3 frequency marker at 5, 10, 25, 50, 100, 200, and 400 Hz, \$25, in excellent condition. All prices include prepaid UPS. Bill Whitacre, 2609 Devonshire, Lansing, MI 48910. Phone (517) 482-7996.

FOR SALE: FRG-7 Gilfer modified

FOR SALE: FRG-7 with Gilfer modified 4 kHz filter, selectable AGC, \$300. GAR-7 Digital Readout, \$120. Both for \$410, prices firm. Shipping included. Unit in excellent condition, replaced by R-7. Clif Brown, 2000 Fargo, Chicago, IL 60645. Phone (312) 274-0188 from 1600 to 2000 GMT, not collect.

SWAP: A Gilfer M-1 Multituner in excellent condition for Gilfer A-20 Pre-selector or Palomar amplifier-loop antenna. Al Plotnick, 77 Woodlawn St., Hamden, CT 06517.

FOR SALE: Realistic DX-160 receiver with speaker, excellent condition, \$80. Panasonic RF-4900 with Gilfer modification, mint, like new with everything. Ship to your door for \$415, box, manual, etc. included. Grundig RF-260 AM/FM/SW1/SW2/FM stereo table top radio. An outstanding receiver with built-in speakers, great sound and good SW reception. A steal for \$135. Baron Von Thoma, 6222 Lewis Ave., Apt. C, Toledo, OH 43612. Phone (419) 478-5140 or (419) 475-6464. No collect calls, please.

FOR SALE: Allied SX-190 in excellent condition with manual and external speaker. Price \$150.00 UPS paid. An excellent DX machine for the money. Pre-selector, Q-Multiplier, etc. Ted Best, 217 Summit Street, Butler, PA 16001. Phone (412) 282-2716.

FOR SALE: Two Yaesu FRG-7000 receivers. Price \$400 each. Rob Harrington, Colorado Assn. of DXers, 3181 South York Street, Englewood, CO 80110.
WANTED: Hallicrafters S-120 receiver. Please contact Rob Harrington at the above address.

FOR SALE: Drake SPR-4 with external speaker, crystal calibrator, free noise blanker. Modified for AGC control and BFO on-off. \$350 shipped prepaid UPS. Collins R390A/URR in cabinet with step down transformer speaker, Autek QF-1 audio filter, all cables, connectors and manuals, extra tubes. Price \$400 shipped prepaid UPS. Robert R. Zilmer, 9016 West Mt. Vernon Ave., Milwaukee, WI 53226. Phone (414) 774-1495. No collect calls, please.

FOR SALE: Yaesu SP-120 extension speaker for FRG-7000, \$18, UPS shipping included. Francis Fumelli, 21 Hurtin Blvd, Smithtown, NY 11787. Phone (516) 585-7469.

WANTED: Copies of WRTH, 1960 and earlier. Please state price and condition. John Walters, R.D. 3, Acorn Drive, Vincentown, NJ 08088

FOR SALE: Drake SPR-4 with noise blanker in original carton. Has all broadcast band crystals except 11 meters plus extra crystals. Price \$325 for DXers in the Colorado area. Call John Lackmann at (303) 447-8694.

FOR SALE: Drake R-4 A/B receiver in excellent condition. Has crystals for 120/90/80/49/31/25/19 meters plus 3 extra sockets plus regular crystals for amateur bands (80-10). Has new transistor amplifier (audio), new tubes, notch filter and noise blanker and is cleaned and realigned. Complete with manual and speaker. Price \$435 in Canadian funds. Edward Kusalik, R.R. #3, Chatham, Ontario, Canada N7M 5J3. Phone (519) 354-9104, not collect.

WANTED: Realistic (Radio Shack) TRF Model 12-655 long range AM only radio. I will pay a reasonable price plus postage. **FOR SALE:** Heathkit code oscillator with key in perfect condition. Price \$10 postpaid. Tom Mooningham, 5807 Louisiana, Camp Lejeune, NC 28542

FOR SALE: National Radio Institute advanced amateur course (originally \$120) and 4 professionally made extra-class code tapes. All for \$40 including shipping. R. Hughes, 2302 Briargrove Ct., Richmond, VA 23233.

ANNOUNCEMENT: The Worldwide Radio Pennant Collector's Club is looking for editors for a few columns. We need three editors for the American Pennant Section, the Euro-Asia Pennant Section, and the Africa-Oceania Pennant Section. The editor should have some experience in collecting pennants from the areas mentioned. If you feel you are qualified or would like more info, contact Brandon Jordan, President, WRPCC HQ., P.O. Box 62, Adamsville, TN 38310. Phone (901) 632-0844.

NOTICE: Jim Uerlings, 3908 Kelly Drive, Klamath Falls, OR 97601 is interested in hearing from anyone who has had experience in using any of the various brands of RTTY/CW video display units. If sufficient information is received, it will be used for the basis of a report to club members. Jim's phone is (503) 884-7559.

PLEASE NOTE:

Helping Hand notices can be printed only when space is available. Items received by the publisher are dated in the order they arrive and are put in FRENDX in that order. Items dealing with SWL equipment and events will have preference over those dealing with ham radio or other non-SWL related equipment although the latter will be printed when space is available as a service to NASWA members.



May 1980

Deadline is the 12th

FRENCH CREDITS

Send Log Reports to: GREGG BARES,
Box 345, Watertown, CT, 06795.

Thanks go out to 81 reporters this month.

Brian ALEXANDER, Mechanicsburg, PA (RF-4900, SX-190)...Ray BAUERNHUBER, Rosedale, NY (RF-2800)...Ernie BEHR, Kenora, ONT (SPR-4)...James C. BODLE, Canastota, NY (RF-2800, S-108)...Arthur G. BONNET, W. Lafayette, IN...Ceasar BRAGA, Fall River, MA (FRG-7)...Kenneth BRISCOL, New Albany, IN (RF-2900)...Jim BRYAN, Stockton, CA (R-7, RF-4900)...Paul BUER, Miami, FL (SPR-4)...Leslie BYRON, Laurelton, NY (Patrolman 9)...Michael J. CALDERWOOD, Denver, CO (FRG-7)...Charles CHAVDARIAN, Richmond, VA (DX-300, SW-717)...Richard C. CINERT, N. Judson, IN (FRG-7000)...Tony CLIFT, Campbellville, ONT (Pye 1101)...Wheeler CONOVER, Manchester, KY (RF-2800)...Vladimir CUCURA, Reading, PA (FRG-7000)...Larry CUNNINGHAM, Columbus, OH (FRG-7000)...Richard A. D'ANGELO, Wyomissing, PA...Larry S. DANKO, Livingston, NJ (BCR-101)...William DAVENPORT, Nashville, TN (DX-300)...Gary DIEKMAN, Parkersburg, IA (DX-160)...K.A. EARHART, Allentown, PA (NRD-505)...Rich ECKMAN, Rockford, IL (RF-4900)...Craig ETHEN, Portland, OR (R-392, FRG-7, SX-71)...Marlin A. FIELD, Hillsdale, MI...John M. FISHER, Chelmsford, MA (GPR-90)...Karl FORTH, Chicago, IL (HQ-160)...Bob FRASER, Cohasset, MA (XCR-30)...Charles GEORGE, Dallas, TX (SSR-1, RF-2600)...Maxfield GREENWOOD, Devon, PA (BCR-101)...Ivan GRISHIN, Don Mills, ONT (FRG-7, XCR-30)...James J. HALSEMA, Washington, DC (ICF-6700W)...Michael S. HARDESTER, San Marcos, CA (R-1000, FRG-7)...David HART, Lancelin, Western Australia (R-391, SSR-1)...Editor Glenn HAUSER, Knoxville, TN (FRG-7, FRG-7 mod, ICF-5900W)...D. HAYSBROOK, Layton, UT...Baxter W. HENSLEY, El Paso, TX (FRG-7)...Ruth M. HESCH, White Plains, NY (JVC FR6600) Emmett J. HOFFMAN, St. Louis, MO (Collins 51S-1, Galaxy R-1530)...Ron HOWARD, Santa Barbara, CA (SB-310, HQ-180A)...Aaron HYWARREN, Winnipeg, MAN (HQ-180, ICF-5900W, SPR-4, AR2A)...Jerry JOHNSTON, Lexington, KY (DX-160)...Rufus JORDAN, Pittsburg, PA (DX-300, Transoceanic)...S. David KLEIN, Gainesville, FL...Paul KOWALSKI, Milwaukee, WI (SX-190, RF-2900)...Dan LANG, Murrysville, PA (Nordmende Mesu 6606)...Jack E. LATTEMAN, Seattle, WA (FRG-7)...Thomas LEBRYK, Irvington, NJ (SW-4A)...D.L. MacLAUGHLAN, La Verne, CA (SW-4A)...Scott McCLELLAN, Battle Creek, MI (SX-96)...Randy McCOY, Utica, MI (DX-300)...Kevin L. MEYER, Lima, PERU (DX-300, DX-160, Sanyo M2530K)...Don MOMAN, Edmonton, ALB (SPR-4, FRG-7)...Don MOORE, Bellefonte, PA (XCR-30)...Ralf MUNSTER, Decatur, GA (SPR-4, FRG-7, RF-4800)...David NEWKIRK, Norridge, IL (FRG-7)...Mike NIKOLICH, Chicago, IL (HQ-180, SPR-4)...Fred OSTERMAN, Pataskala, OH (R-4B)...Martin PECK, Bronx, NY (ICF-6700W)...George POPPIN, San Francisco, CA...Martin H. POTTER, LImoges, ONT (R-4C, SB-310)...Ben RADCLIFF, Ottawa, IL (SB-310)...Andy REID, Peterborough, ONT (S-53A)...Bill REYNOLDS, Amherst, NY (SW-4A, DX-40)...Daniel ROBINSON, Washington, DC...Don SAUNDERS, E. Brunswick, NJ (BCR-101)...Steven SBORDONE, Orlando, FL (FRG-7)...Editor Peter SCHIPELLITI Burlington, MA (FRG-7, NC-183MR, RA0-7)...Harold T. SELLERS, Scarborough, ONT (RF-2800)...Bob Shrader, Austin, TX (DX-300)...Wade M. SMITH, San Jose, CA (FRG-7)...Morris SORENSEN, Leaf Rapids, MAN (HQ-150, RF-2800)...Patrick SULLIVAN, Concord, MA (R-390A)...Glenn L. THOMPSON, Denning, NM (FRG-7)...Dave VALKO, Dunlo, PA (DX-160, FRG-7)...Andrew WALLACE, Chelmsford, MA (HRO-50T1)...Terry WEINHOLD, Terre Hill, PA (FRG-7)...John D. WILLIAMS, Bloomington, MN (R-4C, R-4B, SPR-4)...Robert A. YAJKO, Leechburg, PA (SPR-4, RF-2800)...Thomas J. YINGLING, Baltimore, MD (SW-4A, RF-2900)...Robert R. ZILMER, Milwaukee, WI (SPR-4, R-390A).

Acting on a suggestion I received a while back, I did not underline the surnames this time around; let me know if you have any preference in this regard. Some of you have been sending me material for sections other than the "Log Report." While I do forward what I receive to the appropriate editors, please note that my job is to forward the log reports and that your other contributions will appear quicker if you mail them direct. 73's!

Gregg

NORTH AMERICAN SHORT WAVE ASSOCIATION
POST OFFICE BOX 13
LIBERTY, INDIANA 47353 U.S.A.

FIRST-CLASS MAIL
U.S. POSTAGE
PAID
Levittown, Pa.
Permit No. 319

FIRST CLASS MAIL

NASWA "UNITY AND FRIENDSHIP"

PUBLISHES FRENCH MONTHLY

NASWA MEMBERSHIP FEES:

First Class Worldwide \$14
Airmail to Central America, Caribbean, South America, Europe..... \$22
Airmail to Asia, Africa, Pacific..... \$24
All remittances must be in U.S. funds and mailed to: NASWA, P.O. Box 13,
Liberty, IN., 47353, U.S.A.

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

"UPDATE" SUBSCRIPTION RATES PER YEAR:
North America (First Class)..... \$3.50
Overseas (Airmail)..... \$5.00

Sample copies of FRENCH and UPDATE are available for \$1.00

EXECUTIVE DIRECTOR - Mac Leonhardt, P.O. Box 13, Liberty, IN 47353
PUBLISHER & MANAGING EDITOR - Bill Oliver, 45 Wildflower Road,
Levittown, Pa. 19057
CORRESPONDENCE SECRETARY - Alan Mayer, P.O. Box 321, Park Forest, IL 60466
SHORTWAVE CENTER - Jerry Lineback, P.O. Box 325, St. Joseph, IL 61873
LISTENERS' NOTEBOOK - Glenn Hauser, University Radio WUOT, Knoxville, TN 37916
QSL REPORT - Sam Barto, 460 Emmett St., Apt. B-19, Bristol, CT 06010
UPDATE EDITOR - Tom Alleman, 615 43rd Terrace, Apt. 6, Kansas City, MO 64111
DISTRIBUTING EDITOR - Greg Bares, 237 Colonial St., Oakville, CT 06779
LOG REPORT (A) - Terry Krueger, 84 S. Winter Park Drive, Casselberry, FL 32707
LOG REPORT (B) - Steve Wiseblood, 707 Loma Way, Santa Maria, CA 93454
LOG REPORT (C) - Peter Schipellitti, 31 Beaverbrook Road, Burlington, MA 01803
LOG REPORT (D) - Terry Colgan, 8120 Ripplewood Drive, Austin, TX 78758
LOG REPORT (E) - Bret Saylor, RD 3, Box 878, Altoona, PA. 16601
SCOREBOARD - Myron Smith, 36 Ogden Center Rd., Spencerport, NY 14559
AWARDS CHAIRMAN - Dan Henderson, 7921 Anfred Drive, Laurel, MD 20810
COVER DESIGNS - Wesley Thompson, 454 Pleasant Drive, Huntingdon Valley, PA 19006
COUNTRY LIST CHAIRMAN - Don Jensen, 5204 70th St., Kenosha, WI 53140
U.K. REPRESENTATIVE - Alan Thompson, 16 Ena Ave., Neath, W. Glamorgan,
Great Britain SA 113AD

