



Welcome to 62 new NASWA members who have joined the ranks in time to receive the January issue of FRENEX. We hope they find their new association to be helpful.

ACKERMANN, Hermann-Joseph,
Geisenkirchen, W.Germany
CAMILLO, Michael, Ridgewood, NY **
CARRICK, Michael T., Kearney, NE
CARUSO, Jim, Champaign, IL **
CAVE, Garth D., FBPO Norfolk
CIPPERLEY, Foster V., Jr., Gardena, CA
CORD, Ardon R., San Jose, CA
CRONIN, Joy, Bay Shore, NY
CUEVAS, David, West Covina, CA
DEAN, Terence M., Dayton, OH **
DELATTE, David, Jackson, LA
DOMMISE, John, Portsmouth, VA
DUDEK, Thomas A., East Lansing, MI
DUNNIGAN, Bobby, Boone, NC **
ENGLISH, Randall, Davison, MI
FAIRWOOD, Barry J., Plainville, CT
FARGNOLI, David, Owego, NY
FORTH, Karl, Chicago, IL
FULTON, C.K., Ramsey, NJ
GILBERT, Clinton, Saginaw, MI
HANCOCK, Paul, Oakland, CA
HOGL, John M., Portland, OR
HOLLAND, Robert J., So. San Francisco /CA
HOUSE, Paul, Oxford, OH
JOHNSTON, Jerry, Lexington, KY
JONES, Donald c., Memphis, TN
JOSEPH, Ron, Lynchburg, VA
KNOSPE, R.H., Wilmington, DE
KONDA, Megumu, Glendale, CA
LEWIS, Steven, Toledo, OH
LINTNER, Robert R., Gnadenhutten, OH**
LOMBARDO, PHILIP, Waterloo, NY
LUCHTERHAND, Allan R., Chilton, WI

MACDONALD, A.D., Surrey, B.C.
MADZELONKA, David, Springdale, OH
MALATIS, Torey Paul, Phoenix, AZ
MANN, James J., Green Pond, NJ
MARCISZEWSKI, Frederick, Clio, MI
MESSER, Thomas R., Milwaukee, WI
NAGAHIRA, Kazuhiro, Kyoto, Japan
NAUZIUNAS, Rev. Andrew, Chicagp, IL*
NIBLER, William N., Birmingham, AL
ORTEN, Lex, Brentwood, TN **
REED, Stewart W., Baton Rouge, LA **
RILEY, Jack, Sturgis, MI
ROYER, Pedro F., Brooklyn, NY
SCHULTZ, Steven, Brooklyn, NY **
SUEOKA, Guy, Honolulu, HI **
SVENSSON, Jan, Orebro, Sweden
SWINDELL, Jack, East Canton, OH
TENCATE, Robert G., Seattle, WA **
VIENS, Daniel L., Hudson, NH
WALKER, Louise B., Asheboro, NC
WALTER, Paul V., Portsmouth, OH
WALTHER, William O., Lansdale, PA
WARD, Terry A., Tulsa, OK **
WARHAUSER, Edward W., Quincy, MA
WHEELER, Henry, Balboa Island, CA
WISE, Duane A., Indianapolis, IN
YEAGER, John H., DeLand, FL
YEANG, Hoong Keng, University City, MO
YOUNG, Mark A., Arlington, TX

** Welcome back to 12 former NASWA members after a short absence!

NOTICE: Please refer all matters regarding renewals, address changes, non-receipt of publications, and other matters relating to club operations to NASWA HQ, P.O. Box 13, Liberty, IN 47353, not to the publisher or editors. It would be especially appreciated if those renewing their membership would be sure to return the renewal notice with their payment...this makes things a lot easier.

NASWA

A REPORT FROM
HEADQUARTERS

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

LOG REPORTERS PLEASE NOTE: All Log Report contributors should make note that effective immediately, we have a new Log Report distributing editor.

Due to changes in Dave Valko's school schedules, he finds he is no longer able to handle the LR distributing editor duties to allow him to process and distribute the loggings which are used by the various section editors to compile their sections within the deadlines we must meet in publishing FRENEX. Reluctantly, Dave is passing this on, and we are sorry he is unable to continue this most important job.

Starting with the March issue of FRENEX, the new distributing editor will be GREGG BARES, 237 COLONIAL STREET, OAKVILLE, CT 06779. All future log reports should be sent to Gregg, and the deadline for material to be received by him remains the 12th of each month. This means all reports must be mailed in advance of the 12th to allow for delivery in Oakville by the 12th of each month to be considered for publication in FRENEX that same month.

It may be that some will have sent their material to Dave Valko in advance of this notice being published, but Dave will forward any he might receive on to Gregg Bares.

ANARC-1980: Word received here is that the plans for the Association of North American Radio Clubs (ANARC) 1980 convention in Irvine, California are proceeding nicely. The convention will be held July 18-19-20, 1980, and as always, a traditionally "all-wave" affair with an open invitation to all DXers/SWL's regardless of hobby interest.

For registration and information, write to Stewart MacKenzie, 1980 ANARC Chairman, 16182 Ballard Lane, Huntington Beach, CA 92649. Enclose a SASE for reply. Overseas, kindly enclose three IRCs.....Plan to attend.

WORTHY OF MENTION: This issue of FRENEX, February, 1980, marks the beginning of the third year of the publication of FRENEX/Update under the capable direction of William E. Oliver in Levittown, PA.

We think it appropriate to mention this since many do not realize the tremendous task this involves, and that the work load increases as NASWA grows. In February of 1978, when Bill took over as publisher, approximately 1,500 copies of FRENEX and 500 copies of the mid month Update were mailed. This month, February, 1980, over 2,000 FRENEX's and about 650 copies of Update will have been mailed.

In return for all of the hours devoted to his NASWA related activities, and the fact he has to arrange his personal schedules around publishing deadlines, Bill asks very little. Also, acknowledgement should also be made of Bill's assistants, namely Mrs O. and Jon Cohen of Willingboro, NJ for their continuing help in getting FRENEX/UD in the mail each month.

Don't ever leave us, Bill!

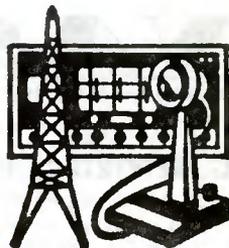
PERUVIAN/BOLIVIAN TAPES: A while back, NASWA member Kevin L. Meyer, who now lives in Lima, Peru told us he would be willing to provide cassette recordings of any active Peruvian or Bolivian SW station to anyone who will provide him with a blank cassette along with \$1.00 U.S. to cover cost of mailing back to the sender.

Those interested in this offer should follow these instructions carefully. Send a blank cassette along with a cassette mailer, and the before mentioned \$1.00 to Kevin L. Meyer, U.S. Embassy(AID), Apartado 1995, Lima 1, Peru, South America. Also, specify the station(s) you would like, and approximate amount of recording time you would like. Kevin will return the cassette in the mailer you are to provide.

A 2 oz. package can be airmailed to Peru for 79¢ and 29¢ for each additional 2 ozs. Such packages should be marked "Small Packet" on the outside and no correspondence can be included. Your letter and money should be sent separate by regular mail and applicable rates for postage.

We thank Kevin for his offer, and hope those accepting will keep their requests reasonable.

Shortwave Center



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

FEBRUARY 1980

DX-300

MORE! MORE! AND MORE! ON THE DX-300

The DX-300 has become the most written about receiver in quite a while. First, it was condemed because of problems with the tuning of the initial production models. Then it received moderate praise from those who had received working models. Then some of its initial supporters fell away because of other problems which showed up. Now we hear from some people who have made the receiver work for them inspite of its limitations. The continuing Saga of the DX-300.

THE INFAMOUS DX-300

by Diane Levesque, P. O. Box 2573, Carbondale, IL 62901

There is a certain class that certain gadgets/machines/whatzits indubitably belong, a class of beings that would have been great only if; a class that would unmistakably come to mind with such names as "Edsel," "Studebaker," "Packard," and of course, "DX-300." Well, your humble author happens to be an enthusiast for things of such a class (I own oddball antiques like a Capehart receiver, I grow in my garden my own variety of "silly seeds," and I drive a 1963 Studebaker Lark. Nuff said.). So I simply had to add a DX-300 to my collection, even after being told I could have a used 390A for around \$200, and even after all the bad press it has gotten, and even in spite of the fact I don't often get \$400 all in one place at one time (which is another reason I have a garden and a 1963 Studebaker).

By anybody's standards, I pulled a real boner. By anybody's standards but mine, that is, for I'm always good for a diamond in the rough, and regardless of public opinion I will do something apparently totally out of reason if I judge the odds to be in my favor. And such it was when I purchased my DX-300. The advertised specifications were:

SENSITIVITY:	AM	100 kHz	20 microvolts
		300 kHz	2 microvolts
		900 kHz	1 microvolt
		3.1 to 30 MHz	0.5 microvolts

SSB (divide above readings by 2)

IMAGE RATIO:	100 kHz - 900 kHz	80 dB
	3 to 30 MHz	70 dB

SELECTIVITY:	6 kHz at -6 dB
	20 kHz at -70 dB

Digital readout. AC or 12VDC, meaning I could run it off my Diehard. Preselector. Continuous tuning. Three IF stages. Variable attenuation. RF gain control. SSB. Tape output jack. Large headphone jack. Code practice oscillator. What I thought was a bandwidth selector but turned out to be just an audio tone control. It sure sounded better than my XCR-30, and it certainly wasn't no \$600. I thought I could live with the selectivity and the LW specs (since I don't get into LW that much anyway) for the price, especially since I figured I could alter the selectivity on it myself anyhow. So, making sure that the Radio Shack manager (dear ole Sherman) ordered me one straight from the warehouse and ordered me a service manual as well, I eventually came home with a well-aligned, apparently functional set, accompanied by all the wherewithall I needed to custom supermodify it as I so chose, as if I was working on my Studebaker you see. Even bought the stuff I needed to put racing stripes and MEEN GREEN MACHEEN on it. So imagine my surprise when I try out the accuracy of the dial on WWV, find it to be truly accurate, and then proceed to find WWV on not only 5 MHz, but also 6, 7, 8,

9, etc. MHz.

Fluke, I said to myself, because it's on the round numbers at the beginning/end of the band. Well, it just so happened that MWV was at 2.5, 3.5, and 4.5 MHz, not to mention that three local MW stations were all over the tropical bands. Anybody else would have stormed into the shop to demand a refund, and if I had any sense, I should have done just that. But since I had my heart and money into this machine, I only did what I do best -- act illogically. Even after being a DXer with various receiver experience for 9 years, I actually picked up the owner's manual and read it like a beginner. And here is what I read:

"SPECIAL OPERATING NOTES: The antenna connection can affect reception in unusual ways on a receiver of this design. Because the preselector/RF stages are not automatically tracked with the oscillator, it is possible that strong local signals will produce spurious responses"

- "Solutions to this type of effect: 1. Use a shorter antenna when operating below 2 MHz. Or use no external antenna at all. . . .
2. Try connecting the antenna to the other ANT connector (if you are using the coax connector, try the screw terminal and vice versa).
 3. Try readjusting the MHz tuning very slightly
 4. Try switching the ATTEN . . . ATTEN has no effect when your antenna is connected to the screw terminals.
 5. Try turning down the RF Gain control.
 6. Be sure the Preselector Band switch is set to the appropriate position and that you tune Preselector Tune for maximum signal reception."

"Preselector setting and tuning is important for best sensitivity and maximum spurious signal rejection. Always be sure the Preselector Band switch is set correctly for the frequency you are tuning to. If you detune the Preselector, the S-meter reading will drop. If you set the Preselector Band switch to the wrong position, you may not completely lose reception of the signal . . . an improper setting and tuning of the Preselector may result in false signal tuning. Proper setting and tuning of the Preselector will help to eliminate crossband reception problems."

"Operation of the RF Gain control effects the overall sensitivity of the receiver. . . . If you are near a very strong signal, you can use RF Gain to reduce the volume of the received signal; if you don't do this, the strong incoming signal can 'swamp' the input stages of the receiver and may result in unusual types of signal reception and distortion problems. Also, you should realize that the S-meter is accurate only when RF Gain is set to maximum."

Voila. What it boils down to is that she overloads and 'cross-modulates.' Take care of that front end at all costs.

By putting an on/off switch at the external antenna and engaging it only when needed (at all other times I used the whip) and watching my RF gain and preselector, I was able to operate my DX-300 most successfully. Now came time to look at the service manual to consider modifications. First thing I wanted to do was do something about the selectivity . . . Replace the ceramic filter with a crystal or mechanical filter? Or maybe an op-amp active notch filter? Or alter the preselector instead to help with the overload problem at the same time? Or both? Or maybe a Q multiplier (which is really nothing more than adding another IF stage of sorts, of a higher Q than the receivers, but my set had three already and I figured that was plenty)? Or should I have a series of active filters and alter my audio knob into a bandwidth knob? What is nice about the DX-300 is that all of these alternatives are easily possible.

In researching the possibilities, I gained considerably more appreciation for the set. I learned to appreciate the product detector for SSB, as well as the IF scheme for nearly cancelling drift. What happens is that the 55.5 MHz to 84.5 MHz local oscillator is used for both the first and second IF mixing and if one drifts, the other drifts equally and cancels the first drift.

This actually happens in practice, as I've found the set to be extremely stable both on AM and SSB, and I was not the least bit fazed at the fact that there is no SSB Clarify control on the rig. There simply is no need for one. Tune and then fine tune to where you want to leave the dial, and she stays put.

Also, because of the IF scheme, you can pretty well say that there are no such things as images. The reference oscillator of 4 MHz generates a frequency that is divided down to 1 MHz and is used to generate the integer harmonics which are then mixed with the first local oscillator to produce the first IF of 52.5 MHz, "downmixed" with 55.5 to 54.5 MHz, to produce the second IF which is again "reversed" 3 MHz to 2 MHz. The third local oscillator is 455 kHz higher than the second IF, and is downmixed to produce the third IF

of 455 kHz. That leaves a whole lot for an image station's signal to get through, if indeed it gets through. If this whole section on IF stages has left you in the dark, please refer back to FRENDX of December 1978, to Jerry Lineback's article on "Selectivity and the New Breed of Receiver," which should clear up most mysteries about the Intermediate Frequency (IF) stages.

You would think that three IF stages would also mean higher Q, or selectivity, but just as Jerry's article points out, the idea is to have high-fidelity in reproduction (which is nice for MW reception when you want music--or if you use Radio Garoua for your entertainment at international parties like I do, hi) but not so hot for DXing. This is so that the set appeals to the most people possible, and judging from the way high-fidelity stereo/quad sound systems sell (they sell better than communications receivers, no?), that should sweeten the deal instead of sour it. If you want better selectivity, you're best off getting it done or doing it yourself.

All in all, I rate the DX-300 well for a receiver in its class. It has better sensitivity above 300 kHz than the Drake R-7 for the same set of frequencies for the same S+N/N ratio of 10 dB and it is more stable than the \$600 sets that are also "new breed" receivers. It is also a complete package, which is more than can be said for the R-7 for which you'd have to buy all kinds of "options" just to make it useable. It's accuracy is excellent, as is its tracking--after tuning the dial it may drift a hair even after warmup (just as specs say, no more than 1 kHz) but once it has settled (a minute or so) you can leave it sit for hours and it won't budge.

Beware your external antenna, your preselector, and your RF gain and you should get fine service from your DX-300.

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DX-300: A FEW WORDS

by Brian Robertson, 715 S. Tenth Ave., Edinburg, TX 78531

In spite of Larry Cunningham's epic battle with the DX-300, blazed across the pages of FRENDX, I purchased one. (In case anybody is interested, PAN AMERICAN ELECTRONICS, at 1117 Conway, Mission, TX 78572 sells the DX-300 for a 10% discount. If you live out of state, you save that Plus Tax). In the past, I'd been using the DX-160 and had developed my own calibration system which made for a healthy accuracy. Still, I wanted the feature of digital frequency display to enable me to pinpoint stations that operated off the well beaten path.

I purchased the unit on 20 November 1979, with assurances from the dealer that this unit had been one of the newer ones, therefore one without bugs and problems. I hooked it up and, like Larry Cunningham, was able to make direct comparisons to the DX-160.

First, the DX-300 has much better sound. The bass beats with WWV were really clear, as were the stronger stations (BBC, RCI, etc.) who play music. The difference was remarkable. As for the "overloading" problem, I find none of that, and if a station seems to be coming in with a strong signal, the Attenuator helps quite a bit. In fact, the Attenuator neatly clips out some of the accompanying noise and literally pulls out a fine signal from the midst of whining, interference, and garbage.

Second, the accuracy of the DX-300 is amazing. There is no drift to my unit, and accuracy is right on the money as far as frequency readouts. I have to admit I feel a certain amount of awe with any of these gadgets, a feeling which I hope most DXers haven't lost. (We are a jaded lot, eh?) It is quite a thrill to latch onto R. Luxembourg right where it should be, not to mention the tropical bands with their programming enthusiasm.

Third, the controls on the DX-300 seem to do what they're supposed to do, and with the Attenuator and the Audio Switch, a person can arrive at a fine signal.

I would be curious to know what kind of antenna Cunningham was using with the unit. I have hooked my unit up to a STARDUSTER model antenna which is up on a pole some 30 feet in the air. Having gone the route of switch boxes and longwire/random antennas, this seems to work quite well.

Perhaps one of the problems is this -- we are all in search of the perfect something or other, be it woman, man, car, or receiver. At this point, in the price range of the DX-300 and the RF-4900, no such animal exists. The SWL field is broad -- interest wise as well as MHz wise -- and it may very well be that we will NOT come across a receiver which does all

things perfectly. With this in mind, my experience with the DX-300 leads me to believe it is excellent for anyone who:

- (a) Wants an accurate digital readout unit at a fair price
- (b) Is particularly interested in SWL (as opposed to MW or LW)
- (c) Wants to work within the tropical band as well as the International Bands and is interested in very good sound reproduction of the major stations. (This assumes people are smart enough to invest in a very good external speaker, or own a good pair of headphones)
- (d) Has more than a passing interest in tracking down some of the weirdness in the 7 MHz area and listening to ham operators talk endlessly about the most boring possible topics.

In short, the DX-300 is an excellent step up for the SWL who feels less expensive, non-digital readout receivers are beginning to cramp style and who want to set out in search of higher quality reception.

DX Shack

A COMPACT DX SYSTEM--ONE SHACK LAYOUT

by Roly Desrosiers, 1063 Burnett Rd., Chicopee, MA 01020

One of the greatest problems which confronts the DXer, both beginner and veteran alike, is the arrangement of the shack. This, of course, is tailored to the individual's requirements, and the variety of layouts is limited only by the ingenuity of the DXer. In presenting the concept of my shack, it is hoped that other DXers will come forward with details of their layouts, thereby enabling an exchange of ideas benefiting the DX community.

Being relatively new in the hobby and starting out as a "loner," all of my gear was crudely layed out, with no regard to appearance, efficiency, etc. Of course, as you married guys will understand, this arrangement can create considerable QRN in the shack area. What's the cure? Well, in this case, some of the requirements were:

- a. Neat appearance when not in use,
- b. The layout should harmonize with the decor,
- c. Storage of equipment and related items should be compact, with ready access,
- d. Opening up and shutting down should be accomplished with minimum effort,
- e. Visible wires and extension cords ideally should be zero.

With the five requirements in mind, research was begun. The usual photos of DXers appearing in publications were not of much help, since my problems were unique in nature, and pertained specifically to my shack's location and surroundings. So, the grey cells were allowed free rein. What was needed was a compact, self storing DX system, incorporating all of the tools used by the DXer.

The desk format seemed the only answer, so I immediately began the search for a suitable desk (while new ideas continued to form, and others discarded). Used-office equipment dealers were visited and other "wild goose chases" were engaged in, until I finally became aware of the fact that nothing was available to do the job to my satisfaction, and any price would be too high, if the standards of the DX system had to be lowered in order to accommodate ready-made furniture.

The only answer was "if you want a better mousetrap, build it yourself." With the desk format chosen, the next step was to put all of the ideas on paper, hoping that no details would be omitted, and making any errors on paper, not on the materials. This project became one of concept, design, and construction.

Once the plans were formulated, a visit to the local lumber merchant was next. Those with weak hearts should be seated when the price of a piece of wood is divulged. Nonetheless, I was able to cart home most of the materials needed for \$100, with an additional \$25 for hardware and miscellaneous items later. At the time, a used steel office desk with typewriter niche and chair was selling for around \$200. No doubt, better deals were, or would be, available if the time could be taken to look and wait for the "right" deal. But the appearance of such equipment left an awful lot to be desired. Hence, the do-it-yourself approach. It must also be borne in mind that the finished product was to be custom built for the DXer and well worth the effort. Also, this was to be an added piece of furniture, and make the shack compatible with the surroundings in our finished basement.

There were the inevitable snags in construction, the few small details left out, but these minor difficulties were surmounted with time, and the end result filled the bill, with

all parties concerned satisfied.

The end product is a desk, with 30 by 64 inch top, framed world map (43 x 60) mounted on the back of the desk. Also, slides were built in for tape recorders and typewriter, grounded 110 volt power supply, and an audio control system with matching clock and speaker boxes. Lighting is built into the receiver cabinet, and ample storage areas are available for the various items used in the hobby. There is also room on the desk for two more large receivers, should the necessity arise.

As in any shack layout, there is always room for improvement. This layout, however, gave me an excellent start, and eliminated the usual evolutionary stage, with efficient DX operations as soon as the desk was completed. Also, there is plenty of unused storage, and room for expansion with additional equipment. Already, improvements planned are additional lighting in the tape recording area and storage areas.

One very real advantage of this concept is that the DX operation can be folded up in seconds, no matter what phase of the hobby is being pursued at the time. Putting the shack "to sleep" is no problem at all, and vice versa, is easy to accomplish also, and I am probably the laziest DXer around.

The shack occupies one corner of my finished basement, 3 x 5 feet of floor space when not in use, 3 x 7 feet when in operation. The sketches above show the concept of the desk and arrangement of equipment. To someone handy with tools, this desk could be the answer to a lot of small problems, and of course, could be modified to the individuals' needs.

The audio functions are controlled by an "audio control box" with six dpdt toggle switches, and has worked fine so far. No doubt more simplified arrangements will evolve, making the system less cumbersome, and eliminating possible troubles.

So fellow DXers, if you've problems with organizing your shack, this might be a solution for you. Get going with the pencil and paper, think it over thoroughly, and I'm sure you'll be happy with the results.

Lightning

RADIO WAVES, ANTENNAS, AND LIGHTNING

by Ron Dishman, 37 Marlboro Ave., Augusta, ME 04330

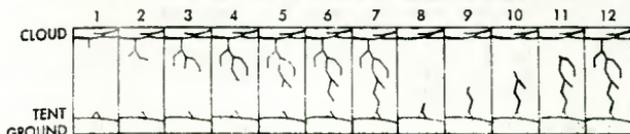
Many articles have appeared in FRENDEX concerning antennas, but little in the past has been directed towards basic radio wave theory.

Orr (2,6) states that "the modern concept of a radio wave is a combination of magnetic and electric fields set up about an antenna as a result of electric current flowing within the antenna. Energy is transferred back and forth from one field to the other. This action is termed "oscillation." During energy transfer which can occur millions of times per second, fields may become detached from wire and move off into space. A radio signal is apparently made up of the two fields which reinforce each other, with the electromagnetic energy radiating outwards from the antenna. The sum of the two fields cuts another conductor antenna, some of the energy in the field will set electrons in motion in the conductor. The electron movement (current) may be detected by a radio receiver."

Orr (2, 23) went on to explain that when you are listening to a shortwave broadcaster, their transmitter takes high frequency electric energy and through their antenna converts the electric energy to electromagnetic waves. The electromagnetic waves are then radiated outward where they may be refracted by the ionosphere back to earth. Your shortwave antenna intercepts the electromagnetic waves, converts some of it back to electric energy and reradiates the remaining back into space. Information on wave length resource, and frequency may be found in DXing according to NASWA, and the October 1979 FRENDEX.

One hundred lightning bolts strike somewhere on earth every second. Lightning is a spark between clouds or between the earth and a cloud. Hellman (1, 68) stated that a lightning stroke averages between 30,000 amperes and 200,000 amperes. However, 3/4 of this energy is used in heating up the air around the channel. There are twelve steps to the development of a lightning stroke. The actual location of the strike is determined in the last 100 yards.

The step leader of a lightning stroke proceeds by steps and establishes an ionized path for the swift return stroke.



Ben Franklin's experiment with the kite led to the development of lightning rods. Hellman (1, 68) explained that a lightning rod offers protection about 45 degrees all around the rod. Heavy wire carries electricity to the ground when a strike does occur. A rod 25 feet high would cover a 50 foot circular roof. Metal skyscrapers are struck by lightning each year without causing damage because the lightning struck metal and was carried to the ground. If the lightning isn't able to reach the metal without going through a non-conductor, damage will result.

Even when an antenna is disconnected and grounded, it is still taking radio waves and converting them into electrical energy. It is worth noting that both radio waves and lightning strokes are made up of free electrons.

The first thing a SWL must do is accept the fact that he needs lightning protection for any exterior antenna. Don't be misled that lightning protection is for the ham with a seventy foot tower and a thirty foot vertical won't be accessible to a lightning strike. Don't listen to the ham who has had a beam for years and hasn't had any problems. That may be true, but is it worth the chance of ruining your equipment and getting yourself hurt or killed?

The first step in lightning protection is a good ground system. This consists of a ground for the electrical discharge of the receiver and a ground outside to be used in conjunction with the antenna.

A copper water pipe will do nicely for the indoor ground. My shack is located in the basement a few feet from where the electrical service entrance is grounded; consequently that is where I placed my ground. A six foot steel rod will effectively ground your antenna. The ground lead should be as short as possible to allow the electricity to dissipate.

Orr (2, 95) contends that a good electrical ground isn't necessarily a good radio ground. For example; a ground lead of any length will provide shock and static discharge protection but, as a ground lead becomes more than 5% of the wavelength of the operating frequency, the ground becomes ineffective. Orr recommends using radials cut to $\frac{1}{4}$ wave length. It is common knowledge that radials improve the performance of vertical antennas.

Your shortwave antenna is a lightning rod when it allows electrical energy to pass to ground. The electrical energy may be passed to ground with knife switches or with lightning arrestors which allow the current to accumulate then jump a gap. A spark plug will work as a lightning arrestor for a single feed antenna. Without a way which allows your antenna to pass electrical energy to ground the antenna is just like a tree when hit by lightning.

When no lightning arrestor is installed, the electrical energy on the antenna from even a close strike will be great enough to burn out the IF transformer or the antenna input coils on your receiver. A direct strike may reduce everything to cinders.

There are both advantages and disadvantages to using knife switches or the gap type arrestor. The knife switch doesn't allow any current to build up, but everytime you use your receiver, you must go outside and through the knife switch. Then the day will come along that you aren't home and there is a wicked electrical storm. The knife switch may be mounted in a small plastic box available from Radio Shack. With the gap arrestor there is no way of forgetting to ground the antenna and no trips outside. However, some electrical current builds up before it is discharged to ground. I would like to say that there is nothing wrong with allowing the current to accumulate before jumping the gap, but I still prefer the knife switch.

Everyone probably knows that a power surge may occur when lightning strikes near or hits a powerline between your home and a sub-station. To avoid this hazard always unplug all equipment including noise filters from the electric outlet.

For safety's sake never operate your receiver or attempt to disconnect the antenna during an electrical storm. My neighbor did and got a jolt which traveled in one arm and out the other. He is lucky to be alive! Also, wearing headsets is bad news during an electrical storm. I was bitten once while towing a KC-135 aircraft while in the military.

In summary, when not in use always:

1. Remove receiver from power source
2. Ground antenna if using knife switch
3. Disconnect antenna leads from receiver.

1. Hellman, Hal, 1968, Light and Electricity in the Atmosphere; Holiday House, NY.
2. Orr, William I., 1972, Wire Antennas for Radio Amateurs, Radio Publications, Wilton, Conn.

WARC-79

WARC-79, FINAL REPORT

by George Jacobs, Board for International Broadcasting,
via Larry Magne

1. The Conference allocated an additional 850 kHz in the existing bands between 9 and 21 MHz, including the creation of a new band at 13.6 MHz. The present 26 MHz band was reduced by 70 kHz, and no changes were made in the existing 6 and 7 MHz bands. This amounts to an increase of 33% (the U.S. had proposed an increase of 46%, while the Soviet Union pressed for no increases at all).
2. The Conference agreed to convene a specialized h.f. broadcasting conference to be held in two sessions during the mid-1980's. The purpose of the conference is to plan the more efficient and equitable use of the broadcasting bands. The date for implementing the new allocations was tied to the success of this conference and to the successful completion by 1989 of the transfer and reaccommodation procedure approved by WARC-79 for displaced fixed service operations.
3. The U.S., Germany, Spain, Portugal, and 21 other countries expressed concern for the success of the h.f. broadcast planning conference since inadequate allocations had been made, particularly for the 6 and 7 MHz bands. In protocol statements they reserved their rights, in the absence of an adequate plan, to take the necessary steps to meet the needs of their h.f. broadcasting services. (While the U.S. supported the planning conference and is dedicated to its success, this reservation will protect its h.f. broadcasting interests should the conference or the transfer and reaccommodation procedure breakdown or fail).
4. The proposed new allocations would wipe out most of the out-of-band broadcasting enclaves that the Soviet Union has enjoyed for more than thirty years, yet the Soviet Union did not renew its reservation which permitted such operations in the past. They did, however, along with the Ukraine and Byelorussia, reserve their right to continue fixed service operations in the new band segments allocated to broadcasting.
5. The U.S. made a protocol statement against the willful interference to some of its broadcasts (jamming) and reserved the right to take necessary and appropriate actions to protect its broadcasting interests for as long as this interference exists. Neither the Soviet Union nor any of the other nations which currently jam RFE/RL broadcasts saw fit to enter a contrary statement.
6. Proposals by Yugoslavia, the USSR, and several other countries to redefine the term "broadcasting" and reception areas" in such a way that might have restricted the free flow of information were defeated.

WARC-79 ALLOCATIONS FOR H.F. BROADCASTING

Broadcast Band MHz	Metres	Present Allocation kHz	WARC-79 Allocation kHz*	Change kHz
6	49	5950-6200	5950-6200	0**
7	41	7100-7300 #	7100-7300 #	0**
9	31	9500-9775	9500-9900	+125
11	25	11700-11975	11650-12050	+125
13	22	---	13600-13800	+200
15	19	15100-15450	15100-15600	+150

17	16	17700-17900	17550-17900	+150
21	13	21450-21750	21450-21850	+100
26	11	25600-26100	25670-26100	-70
TOTALS		2,350	3,130	+780

* Effective date dependent upon the successful conclusion of the follow-on H.F. Broadcasting Planning Conference scheduled for the mid-1980's and upon the completion by 1989 of the transfer and reaccommodation procedure approved by WARC-79 for displaced fixed service operations.

For use in Regions 1 and 3 only. (Cannot be used in Region 2, the Western Hemisphere).

** The U.S., UK, FRG, Spain, Portugal, and twenty other countries made protocol statements calling attention to the insufficient amount of spectrum allocated and the serious affect this could have on the results of the h.f. broadcasting planning conference. These administrations reserve their rights, in the absence of a successful plan, to take the necessary steps to meet the needs of their broadcasting services.

WWV

WWV ADJUSTS FOR 1980

by Ed Insinger, 351 North Dr. #57, No. Plainfield, NJ

The ushering in of 1980 brought with it the insertion of a "leap second" into the timekeeping atomic clock of WWV and WWVH. On Monday, 31 December 1979, the Fort Collins, Colorado and Kauai, Hawaii, National Bureau of Standards time stations adjusted their time code generators to reflect the extra second just before zero hours GMT. This change was dictated by a mandate from the International Bureau of Time in Paris, to compensate for solar time deviation. Since 1972, a leap second has been added every year. The deviation requiring the adjustment in GMT is caused by the fact that atomic seconds are a bit shorter than solar seconds. Solar seconds are based on the earth's spin, which is not nearly as constant as the super accurate National Bureau of Standards atomic clocks. For the record, 31,536,001 atomic seconds equal 31,536,000 solar seconds in the course of one complete year. Hence the need for a "leap second" to keep both forms of time in perfect balance. We can now all set our listening post clocks for "second" to none accuracy by WWV! (Adapted from an article in the Star Ledger of 2 January 1980.)

Guatemala

FROM THE LAND OF THE BEAUTIFUL MARIMBA MUSIC . . .
LA VOZ DE ATITLAN

by Don Moore, Box 157 R.D.#5, Bellefonte, PA 16823

The Central American nation of Guatemala is known in the shortwave world for its beautiful marimba music. One of the lesser known sources of this music is La Voz de Atitlan. The station is located in the town of Santiago Atitlan on the south shores of the Lago de Atitlan in western Guatemala. If you were planning a visit it would be a 130 km ride via bus and boat from Guatemala City.

La Voz de Atitlan broadcasts on 2390 kHz with 1000 watts. Formerly they used only 300 watts, but that was raised with the purchase of a new transmitter in the Fall of 1978. As a cultural/educational station, education of adults is their main concern and area of programming. They broadcast daily from 5:00 to 7:00 am and 3:00 to 9:00 pm local time, in both Spanish and Tzuthil. Tzuthil is a local native dialect spoken by over 27,000 listeners. If you hear them, be sure to drop them a line (in Spanish of course - unless you speak Tzuthil!), and be sure to enclose some Guatemalan mint stamps as this is a non-profit organization. Soon afterwards you will receive a friendly Spanish letter from one of the announcers.

R-1000

KENWOOD R-1000

Larry Magne via ANARC DX Equipment Committee

Two problems with this receiver have been poor selectivity and an inordinately long AGC decay rate. Trio-Kenwood has recognized these weaknesses and in all 1980 production, since October, has incorporated a shortened AGC decay in the AM mode and improved selectivity.

Bandwidths improve from 12 and 6 kHz (at -6 dB) to 6 and 2.7 kHz, in the AM mode. To modify the AGC, change capacitor C2 to one of approximately 1 uF. A selectivity modification kit may be bought from Kenwood; write to: Parts Department/Shortwave Division, Trio-Kenwood Corp., 1111 West Walnut St., Compton, CA 90220, USA. The improved version of the R-1000 may be identified by looking inside the instruction manual packet. It contains a sheet indicating that selectivity may be improved by moving the "3" connector, then it is one of the improved samples.

TIBET

FOCUS ON TIBET by Jean Jacques Bloch, Paris, France

Last November I sent a reception report in Chinese to Lhasa, one month later I had the great joy of receiving a QSL card (in Chinese) along with Chinese stamps and a complete program schedule. It is interesting to make some comments on this schedule, there seems to be far less politically oriented programming and both stations have a lot of scientific classes. The Chinese program emphasizes the time spent on English Lessons, foreign music, all this reflects the recent orientation of Chinese politics towards the Western World.

Note the special feature: "The new face of Tibet, love the Motherland." Tibet is still a particular region of China, integration of the Tibetan people with the rest of the country is not yet complete. When I heard them in Chinese, they were urging the Tibetan people to learn the Chinese language to get a better unification of the country. This shows how DXing can lead to a better knowledge of a seldom talked about region. The schedule has been translated from Chinese by a friend from Peking who is studying in Paris, Mr. Wu Lei.

Program schedule of the Peoples Broadcasting Station in Tibetan (from 12 November 1979) Frequencies: 960, 4035, 5240 (best), 5995, 9490, and 9680 kHz. Times are local which equal GMT + 8 hours. First transmission: 7:00 Choir 'East is red', program preview, weather forecast; 7:10 Music; 7:30 newscast; 7:40 songs; 7:50 scientific knowledge; 8:00 gymnastics; 8:10 political studies; 8:30 music from Tibet; 9:00 common program for all stations; 9:20 music; 9:30 program for country people; 9:50 songs; 10:00 scientific studies for members of people communes; 10:10 movie songs (M,W,F,Su), foreign music (Tu,Th,Sa); 10:30 broadcast from the Central People's Broadcasting Station (CPBS) in Tibetan; 11:30 a song a week (Listener's choice); 11:35 weather report; 11:40 literature (Su to 14:00); 12:00 program in the dialect of the Changdu area (M-Sa); 12:30 national music of the other minorities (M-Sa); 13:00 love the motherland (M,W,F), the new face of Tibet (Tu,Th,Sa); 13:10 music (M-Sa); 13:20 short newscast (M-Sa); 13:30 literature (M,W,F,Sa), serial story (Tu,Th); 14:00 program for Tibetans abroad; 14:45 end of first transmission.

Second transmission: 18:00 choir 'East is red,' program preview, weather forecast; 18:10 newscast; 18:20 songs; 18:30 the new face of Tibet (M,W,F,Su), love the motherland (Tu,Th,Sa) 18:40 music; 19:00 Tibetan program from the CPBS; 20:00 common program for all stations; 20:20 music of Tibet; 20:40 scientific knowledge; 20:50 music; 21:00 program for country people (Su literature till 23:00); 21:20 songs (ex Sa); 21:30 scientific studies for People's Communes (ex Sa); 21:40 national music of the other minorities (ex Sa); 22:00 program in the Changdu dialect (ex Sa); 22:30 music of Tibet (ex Sa); 22:50 short newscast (ex Sa); 23:00 program for Tibetans abroad; 23:45 end of transmission.

Program schedule in Chinese. Frequencies: 594, 4750 (best), 5935, 7170 kHz. First transmission: 7:00 choir 'East is red,' program preview; 7:10 music; 7:25 weather forecast; 7:30 English lesson; 8:00 program for the People's Liberation Army (PLA) (Su music to 8:30); 8:20 opera (ex Su); 8:30 program from CPBS, news, press review; 9:00 newscast; 9:10 music (Su literature to 13:00); 9:40 political studies (ex Su); 10:00 building a new Tibet (M,W,F,Sa), scientific studies (Tu,Th); 10:20 local opera (M,W,F), serial story (Tu,Th,Sa); 10:50 current exchange rates (ex Su); 11:00 world news from the CPBS (ex Su); 11:15 gymnastics (ex Su); 11:25 a song a week (ex Su); 11:30 weather report (ex Su); 11:35 literature (ex Su); 13:00 common program for all stations; 13:20 songs; 13:30 English lesson; 14:00 opera, 14:45 end.

Second transmission: 18:00 choir 'East is red,' program preview; 18:10 weather analysis; 18:25 a song a week; 18:30 newscast; 18:40 music of Tibet; 19:00 common program for all stations; 19:20 local opera (Su to 20:00); 19:40 political studies (ex Su); 20:00 common broadcast for all China from the CPBS; 20:30 literature from the CPBS (Sa, Su till 23:00); 21:00 program for the PLA (ex Sa,Su); 21:20 songs (ex Sa,Su); 21:30 building a new Tibet (M,W,F), scientific studies (Tu,Th); 21:50 music (ex Sa, Su); 22:00 English lesson (ex Sa, Su); 22:30 newscast (ex Sa,Su); 22:40 serial story (M,W,F to 23:40), foreign music (Tu,Th to 23:40); 23:00 English lesson (Sa,Su); 23:30 music (Sa,Su); 23:40 weather forecast; 23:45 end of transmission.

Adamov

JOE ADAMOV VISITS THE UNITED STATES
by Thomas Gavaras

With miles and miles of governmental red tape, the 1979 ANARC/Minneapolis Convention Committee unrelentingly worked to secure Joe Adamov, the host of Radio Moscow's Moscow Mailbag program entry visa into the United States. Success was achieved only too late to give this popular Soviet announcer time to make arrangements to attend ANARC/79. But as a result of all the efforts involved, Joe Adamov was now able to enter the US anytime he wanted to. And that he did during the last half of November, 1979.

On Thursday, November 29, after making arrangements with Professor Browne of the University of Minnesota, I left for Minneapolis to meet a man I have listened to on shortwave for years and have always wanted to meet. Joe Adamov's visit to America included many lectures, sight seeing tours along with a guest appearance on KSTP-AM Radio's Bob Allard Call in Talk Show and ABC Television's Good Morning America. Adamov is a large man (much over 200 pounds) in his late 50's. He has been involved with Radio Moscow since 1941. His near perfect English is a result of attending American Schools in Moscow during the 1930's and 1940's.

After a short get together with Adamov, I attended one of his lectures at the University, where he gave a speech on broadcasting and journalistic differences between the East and the West. Then he fielded questions from the audience.

Adamov criticized America's coverage of the Soviet Union, saying we look too much at the negative aspects (dissidents, etc.) and ignore the positive aspects. Said Adamov, "You can't talk about the war on the guys nose without talking about the rest of the nose." Further, he noted that there are a lot of misunderstandings between the USSR and USA, yet Adamov feels that Soviet people know much more about America, than the people of the United States know about Russia. Adamov added that he thought the CBS/Cronkite News report reminded him of the Soviet Television's "World Today" program. He said that the format is similar and made him feel at home.

The purpose of Radio Moscow, Adamov told his audience, is to show Russia the way it is, present its point of view on international affairs with a friendly voice and to project an image of "let and live let" and "peaceful coexistence." According to Adamov, there are 60 million radio sets in the USSR (most with shortwave band capability).

Adamov was then asked if Soviet Citizens are allowed to listen to foreign broadcasts. "Absolutely right," was his reply. When asked if there are any foreign broadcasts that Soviet Citizens are not permitted to listen to, his reply was "no." This led to final part of these questions as to why the Soviet Government jams Radio Free Europe, Radio Liberty, Radio Peking and Kol-Isreal. Adamov replied that he can hear the Voice of Isreal in Hebrew and Russian without any trouble in Russia. In fact, he has answered letters from an announcer who works at Kol Isreal on his Moscow Mailbag program. Concerning Radio Liberty, Adamov said, "Radio Liberty is a hate station, a subversive station." He added that if all the extreme left and right groups in the United States along with the fringe groups were put on the air in one bunch and broadcast to the United States, this would be similar to what Radio Liberty broadcasts to Russia. He told us that we should first listen to one of their Russian broadcasts before we defend them. In addition, Adamov charged that the Voice of America English and Russian broadcasts are as different as day and night. The Russian broadcasts are extremely negative towards Russia versus the mellow tone of the English transmissions.

Concerning Soviet television, Adamov told his audience that 67 languages are broadcast. There are four main channels on Russian television networks. (1): National with a bit of everything (news, sports, drama, music, etc.). (2): Local. (3): Drama literary and music. And (4): Educational. Two million letters a year are sent to the television networks in Moscow.

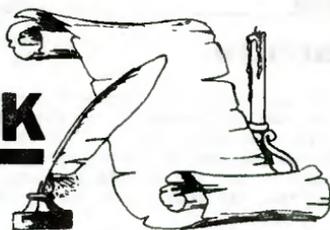
Adamov said when he does his Moscow Mailbag program, he alone decides what questions will be answered over the air. Research for these questions normally take a day and a half. He stated that he has total freedom on his program, but admits that he receives raised eyebrows from his editor in chief when he answers some of the ridiculous questions he receives (example: When will the Soviet Union be invading Isreal.) with equally ridiculous answers. When asked if he plans to produce another special Moscow Mailbag New Years program in the future (similar to his 1978 New Years program), he replied, "Only if I have enough energy."

Adamov ended his hour speech with a plea that "We do all our fighting on the hockey field, and relegate the battles to history."

73 til next month, JAL

Listeners NOTEBOOK

GLENN HAUSER
University Radio WUOT
Knoxville, TN 37916



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ENGLISH SCHEDULES

ANDORRA AWR-Europe now using R. Andorra on an extended basis on 6215 including EG daily 1930-2100 (Peter Bunn, ALBANIA LN-13)

Jan ADXN) AWR ID is "Voice of Hope", hrd daily to end of Dec, 2100* (Victor C. Jaar, PQ) 6215.4, same as measured last winter, nice sig with R. Skandinavia pgm on first and 3rd Sun of Dec, as sked, to 2157*, 2203* (Robert L. Foxworth, NY) So check Feb. 3 & 17 (gh)

ASCENSION BBC in early Dec altered 15400 to 15360 at 0330-0445 to avoid FEBA (Bob Padula)

AUSTRALIA BBCMS indicates that R. Australia's 0700-0845 EG to Papua New Guinea (sic) & Pacific Islands on 11790 9760 5995 is separate from the General Service in EG:

21740 01 -03½	17890 22 -06	17725 01½-10	11870 15 -17½	11705 10 -15	9505 18 -20½
21680 00 -09½	17870 01½-08	15355 21 -03	11855 19 -22	9770 10 -17½	6080 12½-20½
21660 11 -13	17795 01-05	15320 04 -05	11820 21 -23½	9670 06½-10½	6060 13½-20½
14 -17½	11½-13	15310 22½-03	11800 18 -20	9640 10 -12½	6045 08 -20
21650 03½-05½	14 -17½	15240 21 -07½	11790 06 -07	9625 20 -22	6035 21 -22½
21570 08 -10	22- 24	15160 21 -24	10 -12	9580 18 -22	15½-17½
21525 04 -05	17755 04 -05	01 -05	11740 07 -09	11 -13	5995 10 -20
06 -06½	06 -06½	06 -07	11725 19 -21½	9570 07 -09	(RA via WBI 12/79)

Tentative M80 sked indicates no changes are indicated from this (gh)

BANGLADESH LN-13

BELGIUM As of 14/1 BRT dropped 11700 to Nam at 0015-0100, designating // 15175 now as for both Nam & SAM, reasons not explained; also, other EG, to Af at 1705-1750 now on 17730 //6010 to Eu (Leslie Byron, Laurelton NY; Joel Rubin, Berkeley CA)

BRAZIL Radiobrás as from 16/12 changed 2000-2100 EG to Eu from 15270 to 15125 (Via Tom Yingling, Baltimore MD)

CAMBODIA LN-13

CHINA First HCJB and R. Peking were both on 15115 to Nam; then both moved to 15120; then HCJB moved back to 15115, and R. Peking seems to have stayed on 15120 at 0000-0255 (gh) Cf Jan LN-3, R. Peking's own sked omits as usual certain fqs in each transmission it considers feeders; 11696 given as 11695. 7315 is also shown for SAs 1400-1555 (via Jim Posporelis, NY) Inner Mongolian PBS hrd with EG ID at start of language lessons 1330, 2200 (JADX via RA 23/12)

CUBA RHC D79 valid for the rest of Feb anyway; changes seldom made in fqs from Cuba, but more likely from USSR relays, not singled out in the sked: NEU 2010-2140 11920, 2200-2300 7140. Af 1700-1800 17765. N&C&SAM & Caribbean: 2050-2140 17750 9770. 0100-0450 11930. 0100-0600 11725. 0330-0600 11760. 0630-0800 9525 (gh, sked obtained from personal visit) It is believed that the 2200 & 1700 GMT xmsns are the relays, and 7140 reported on 7135 (gh)

CZECHOSLOVAKIA R. Prague: 0100-0200 & 0300-0400 Ams 11990 9740 9540 7345 5930. 0730-0800 Af/FE/SAs/Pac 21700 17840 11855. 0830-0900(Sat/Sun 0925) Af/FE/SAs/Pac 21700 17840 11855. 1430-1500 Af/SAs/FE/Pac.21615 17840 17705 15110 11990 9605 7345. 1530-1625 Af/SAs/FE/Eu on 21615 17840 17705 15110 11990 9605 7345 6055. 1630-1700 Eu 7345 5930. 1730-1825 Af 17840 11990 9605 7345 5930. 1900-1930 Eu 7345 7245 5930. 2000-2030 Eu 7345 5930. 2130-2200 Eu 6015 1287. Also, "Inter-programme" Eu/NAM 0030-0055 9740 6055 1287; Eu on 9505 6055 1287 and 1071: 0745-0800, 0845-0900, 0945-1000, 1045-1100; 1145-1200 on MW only. Sundays the 0900-1200 block is occupied instead by a request concert (WBI 12/79)

CHILE (Cf Jan LN-3) LVCH EG is at 0000, 0230, 0330, 0430 on 11720; other EG at 1230, 1330, 1700, 1800, 1930, 2100, 2200 (James E. McDonald Jr, Ardmore PA, 2/1) /26020 not all EG)

ECUADOR As a result of your word about QRM on 26000 we have shifted to 26020 for our 11m test, clear of the VOA. Also shifted to 15120 at 0230 due to Peking 15115 (Clayton Howard, HCJB, 18/12) 15120 back to 15115, and no longer a break at 0230 (DX Party Line 6/1)

GUAM (Cf Dec LN-2) KTWB at 1430-1500 on new 15365 ex-15350 (Miki Včelař, QTH-Africa 10/1)

ISRAEL V. of Israel prime-time service to Americas again sked to start 31/1, fqs for remainder of D79 (Feb): 2230-2300 11637 & 7412 to ENAM/CAM/NSAM; 9815 NAM; 11620 C&SSAM. New xmsns at: 0000-0030 & 0100-0125 11637 9815 7412 only, targets as above; 0200-0225 same except 11637 for C&ANAM. EG at 0500-0515 on 15585, 9815, not 7412. Tentative M80 EG sked, fqs of interest in NAM: 1200-1230 25625 (or 25640), 17615 17560. 2000-2030 21675 17645 11655. 2230-2300 17645 11637 15585 9815; SAM 11610. 0000, 0100, 0200 on 15585 11637 9815. 0500-0515 on 17645 15585 15105 11637 (Lawrence E. Magne Associates, Rockledge PA, 15/1) see LN-13

KOREA SOUTH R. Korea's EG xmsn at 0400 on 15570, listed omnidirectional, is better than other fqs at that time supposedly for NAM; and comes in about as well then as at 1600 on 9720 (William Krause, Anoka MN, 31/12) Seoul on new 6480 *1955 EG 14/12 (Padula, Vic) more LN-13

LEBANON On 28/11 R. Liban was hrd in FR at 0130 on 11785. Check that freq every evening--our Lebanese friends might still be there (Pierre Dostie, COCQ) So that would be the 'missing' EG fq too at 0230v; they used 11785 for a while last winter too (gh)

MALTA Per the Maltese pgm guide Gwida, Radju Malta International on 756 kHz has EG 1315-1700 --mainly transcriptions from RN, R. Moscow, UN Radio, etc (Bernd Trutenau, GFR, SCDX 18/12) D79 IBRA via R. Mediterran, 2015-2115 on 9650 (Roger Hansson, Sweden, SCDX 18/12)

MEXICO Surprised to hear EG on XERNK! Tue 1/1 2320 on 17765, "R. Mexico International presents...Mexico in a Minute" Actually 3 minutes, well-produced historical/travel feature on Shark Island; also hrd EG ID 0102 (Jay Novello, Endwell NY)

NEW ZEALAND (Cf Nov LN-1) RNZ planning to change 1700-2005 to Pac from 11835 to 17860 (RNZ via Miki Včelař, RSA, QTH Africa 10/12) Good on 11835 1645 IS, *1700 (Hayashi, RA DX 13/1)

NORWAY (Cf Oct & Dec LNs-2) R. Norway at 0400 on 9685, not 9610 (NTA) Tentative M80 to NAM: 1400 17840, 1600 15345, 1800 17755, 2200 17795 11860, 0000 11850, 0200 6185 9545 11870, 0400 9550, 0600 9645 (NTA 2/10) As always, EG Suns + GMT Mons only

PAKISTAN R. Pakistan EG included in 1700-1930 on 11675 15480 (Arthur Cushen, NZ) EG portion 1700-1730 listed, cf Oct LN-2 15470--change or typo? (gh)

PHILIPPINES R. Veritas Asia fqs changed as of 19/11 to: 0030 15285 15135 17790. 0300 15285 15320 17790. 1430 9605 11955 15215 (Miki Včelař, RSA, QTH-Africa 30/11) 1130 xmsn not mentioned (gh) FEBC Manila on 11890 ex-11765 0800-1000 ANZ; Veritas hrd at 0030 on 15130 (Arthur Cushen, NZ)

PORTUGAL LN-4

SA'UDI ARABIA (Cf Jan LN-2) Evening BSKSA EG on 11855, 1485 kHz and 98 MHz have been increased an hour to 1800-2200 (WBI 20/12)

SEYCHELLES EG to Eaf 0405-0450 on 11850 ex-11805 (Miki Včelař, QTH Africa 30/11) more LN-13

SOUTH AFRICA Due to VOA QRM on 17780, R. RSA has moved to 17770 at 0200-0250 to NAM (Pieter Martins, R. RSA DX Corner 12/1) It only took them 2 months to accomplish this (gh) R. RSA tentative M80: (*500 kW). 0200 NAM 17780 *15220 15155 11900. 0300 EAF 11900 9585 *7270 5980 4990. 0600 Waf *21535 17780 15220. 1100 C&EAF/Eu 25790 *21535 15220. 1300 C&EAF/Eu/ME 25790 *21535 15220. 2100 Waf/Eu *21535 17780 *15155 (R. RSA) Domestic SW services new sked as of 30/12, 100 kW. SABC English Service to SW Africa 0358(Sat 0430/Sun 0500)-0615 on 6115; 0620-1620 11790; 1625-close on 6115. R. South Africa (bilingual) 2200-0300 on 3250; R. Five 0300-0545 & 1535-2200 3250; 0550-1530 9680 (SABC) R. 5 is also bilingual with Afrikaans, and runs to 2400 including the first 2 hours of the all-night service and is relayed by all National and Regional commercial FM xmtrs; the 0000-0300 AN svc is from the R. Highveldt Studio (Richard Ginbey, RSA, RN DX Juke Box 10/1)

SWAZILAND TWR Manzini fq changes for EG to: 0430-0630 5055 9640. 0645-0835 7195 11910. 1200-1415 7195. 1530-1700 11740. 1600-1700 7210. 1800-1920 6070 11760 (QTH Africa 20/12)

SWEDEN (Cf Jan LN-2) R. Sweden to SAs at 1600-1630 changed again from 15435 to 15220 (STA via SCDX 15/1) It seems that Libya and Tanzania were also on 15435... (gh) Due to poor reception in NAM of R. Sweden at 2300 on 11705 and 9695, upon recommendation of ANARC-FRC by 23/12 15275 was resumed, replacing 9695. Also, RCI agreed to move from 11710 to 11850 as of 24/12. However, poor reception on 15275 (Robert Zilmer, WI) Stick with it; 15275 should pick up as spring approaches and become quite good by April (gh)

THAILAND LN-4

SWITZERLAND (Cf Dec LN-3) SRI M80 tentative the same except at 0430 15305 may be used; at 0700-0730 & 0900-0930 11780 may be used; 1315-1345 15305 may be used and 11945 ex-11935 (PTT)

TRANSKEI Capital Radio, besides MW on 603 kHz, after a few days of testing went on the air 26/12 at 0400-0530 & 1600-2300 on 3950; and at 0530-1600 on a confirmed fq of 7160. The same day, the 10 kW SW xmtr was damaged by lightning; soon to be increased to 50 kW; beamed westerly towards Cape Town (Miki Včelař, QTH Africa 30/12) The SW xmtr is at Umata, using a log-periodic antenna; 7150 (Pieter Martins, R. RSA DX Corner 12/1) Sked is 0300(Sat/Sun 0400)-0530 & 1630-2200(Fri 2300/Sat/Sun 2400) on 3950; 0545-1615 on 7160 (Ginbey, Včelař, Miller, SCDX 15/1) Should not be too difficult in NAM--but IS it a country? (gh) see LN-7 TURK LN13

UKRAINE R. Kiev new fqs for Feb: 0030-0100 17870 15240 15100 11770 7215. 0300-0330 11770 11690 9735 9505 7400 7215. As of Mar 2: 0030 17870 15405 15100 11790 11770; 0300 on 17870,

15100 11965 11790 11770 9580 (via Derek McElhinney, NV) URUGUAY LN-14 UNITED NATIONS LN-4

U S A (Cf Dec LN-3) AFRTS revised sked as of 11/11: Eu (from Greenville) 01-07 6030, 09-11 9585, 11-18 15430, 18-23 15345, 23-01 11790. Af (Bethany) 00-07 11790, 09-11 9660, 11-16 15330, 16-24 15430. Carib/Antarctica 01-07 & 09-11 6030 (Gvl), 11-01 15330 (Beth). Pac/FE (Delano) 02-07 17765, 04-30-07 15330, 09-16 9700, 09-18 11805, 16-22 17765, 18-04-30 21570, 22-02 25615. Ind Oc (Philippines) 01-19 21670, 19-01 11835 (via Tom Yingling, MD)

U S S R RMS gives this MHz (some may be 5 kHz higher) sked for NAM, starting March 2:
04-05 6.11 9.49 9.53 9.61 11.77 11.79. 05-06 9.49 9.53 9.61 11.77 11.79. 11-14 9.60 12.01 15.13 15.15 17.81. 14-15 7.17 9.58 9.60 9.79 11.79 12.01 12.07 15.13 15.15 17.81. 15-16 on 7.17 9.58 9.79 11.79 11.86 11.87 12.01 12.07. 16-17 same plus 15.21. 17-18 same plus 9.50. 18-19 7.17 9.50 9.79 11.79 11.86 11.87 12.01 12.05 12.07 15.21. 19-20 same minus 12.07. 20-21 15.18 replaces 9.79. 21-22 9.50 11.86 12.01 12.05 15.18 17.72. 22-23 9.50 9.53 9.71 12.05 15.14 15.18 15.45 17.72 (via Tom Gallagher, El Paso TX)

VATICAN Amazing as it may seem, Vatican Radio as of 1980 has started publishing its schedule in GMT instead of CET. Perhaps they finally got tired of seeing their sked published an hour off by DX sources who did not realize it was not in GMT. Directions also simplified to 8 octants designated A thru H, starting with the north, A, between 332 and 17°, then 17-62 62-107, 107-152, 152-197, 197-242, 242-287, 287-332°. So, Europe First Pgm: 0100-0115 on 1530 kHz only; 0700-0715 weekdays ADH (partly EG) 9645-H. 1115-1200 weekdays ADH (partly EG) 6190-ADH (this also applies to 0700), 9645-H. 1445-1500 daily 6190-ADH, 7250-H, 9645-H, 11740-H. 2030-2045 daily 6190-H, 7250-H, 9645-H. As/ANZ: 1500-1515 weekdays 11810-C, 15120-C, 17825-C. 2210-2230 daily 9615-C, 11830-C, 15120-C. Af: 1115-1130 weekdays 17840-D, 21485-D. 1200- weekdays 17840-DE 17900-F 21485-DE. 1700- daily 11830-D 15120-D 17900-D. 2045-2100 daily 9625-E 11700-DE 15120-DE. 2115-2145 daily 9625-F 11700-F 15120-F. Nam: 0100-0115 daily 6015-H 9605-H 11845-H (Radiovaticana Jan 80 via gh) more, LN-14

update: LN-13
OTHER SCHEDULES AFGHANI SSR Afghanistan-based SW xmtrs carrying the R. Afghanistan domestic service are: 7200 0130-1930 (observed only intermittently). 6230 0330-1930, 4775 0130-0330, both confirmed. On occasions when both sets of fqs were audible, they have carried identical programming (WBI 3/1) See USSR LN-4

ANGOLA (Cf Jan LN-5) RNA is not inactive; hrd since 19/12 and nightly around 0500 on 11995.1, best on LSB but often very strong; clear IDs and many TCs in PT; Afro-Cuban music (Bob Rankin, Lawrence KS, 10/1) You mean 11955, I assume (gh) RN back on 11955 with all its regular pgms after a short period of inactivity (Včelař, QTH Africa 20/12) It's back on 11955, 0400-1500 (Richard Glnbey, RSA, RN DXJB 10/1)

BOTSWANA R. Botswana has jumped from 9590 to 9690; this has happened more than once, sked *0900(Thu-Sun 0635)-1415* (Richard Glnbey, RN DXJB 10/1) I think this has something to do with the fact that 9690 is 2 x 4845 (gh)

CAMBODIA LN-13

CHINA Tibet (Xizang) PBS, Lhasa sked on 7171 5935 4750 2300-0645 & 1000-1545. Sichuan PBS, Chengdu, First pgm on 3245 2120-0030 & 0920-1500; 2nd pgm 5900 2220-0530 & 0900-1300 (WBI 3/1) Cf Jan LN-5, additional fqs have been obs for R. Peking DS; First pgm: 11330 11302 11290 6750 6665 6493 6225; 2nd pgm: 15030 9020 8320 4250; at various hours. Broadcasts to Taiwan: 2000-0610(Sun 0700), 0830-1900, in Std Chinese, Hakka, Amoy: 15880 0015-0610 & 0830-0959. 15710 2315-0610 & 0830-1214. 11100 2200-0610 & 0830-1459. 9170 2000-0610 & 0830-1900. 6790 2000-0014 & 1000-1900. 5125 2000-2315 & 1215-1900. 4770 2000-2159 & 1500-1900. 3360 2000-0130 & 1000-1900. Also relayed by PLA Fujian Front Stn 2100-2115, 0500-0515, 1200-1215, 1500-1515, 1600-1700. PLA Fujian Front Stn: Std Chinese, Amoy: 1000-0500: 9540 1000-1258 & 0115-0500. 7850 1000-1258 & 0000-0500. 6765 1000-1529 & 0000-0500. 5900 1000-1659 & 2311-0500. 5265 1000-1829 & 2313-0500. 5240 1000-1829 & 2234-0500. 4330 1259-2359. 4045 1259-0114. 3640 1830-2312. 3535 1830-2233. 3000 1700-2310. 2490 1530-2359 =Network One. Network Two also in Amoy & Std Chinese, 0400-2100: 8195 0400-1329. 7280 0400-1520. 7025 0400-1659. 6400 0400-2100. 6000 0400-1659. 5770 0400-0959. 5170 0400-1844. 4840 0400-1945. 4380 0400-1945. 4130 1000-2100. 3900 1700-2100. 3400 1330-2100. 3300 1800-2100. 3200 1521-2100. 2600 1700-2100 (WBI 12/79) R. Peking broadcasts in Russian for 55 mins at 00, 01 02, 03, 04, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 18½, 19, 20, 21, 21½, 22, 22½, 23 GMT from as many as 5 different sites at once. Reversed tape xmns are at 0300 on 17532 12450 SSB-11630 8425 8260 6995; 15115 15060 14955; 15100 11675; 11695 11515; 15180 15125 11445. 0900 on 8260 5220. 1830 on 6520 (WBI 12/79)

CHILE LVCH sent this sked in effect till March (non-EG): FR 0100 15140, 1200 17790, 1630 21555, 1900 & 2030 17715 17790, 2300 15140 15300 17800. SP 0030 15140 17800, 0200 11890, 0300 11720, 1030 & 1130 17790, 1730 & 1830 15295, 2000 17715 17790, 2130 17735 17790 17800, 2230 15150 17790 17800, 2330 15140 15300 17800. No listings for AR, IT, GM (GMS Telegram) There was Russian too (gh)

GABON Africa No. 1 now testing on regular sked; some fqs carry short nx in FR; confirmed at 0600-1000 on 15200 17830 21640; 1800-2130 11915 11940 15205; presently to Af & ME/Eu and will continue in 1980 with different targets (Včelař, QTH Africa 20/12) Still testing, announced in FR same sked as above except 17815 instead of 17830; strong sigs; contest in Jan; also caught them at 0345-0400* 22/12 on 15200, but not since; tests over? (Fred Schumacher, Kindred ND, 26/12) 18/12 at 0800 on 15200, SINPO 55555 solid, no fading (Creede Lambert, MT)

Now with RFI relay in FR only at 0600-1000 on 17830; 1800-2130 11915 11940. Africa No. 1 tests 0600-1000 21640 15200; 1800-2130 15205; all are Mon-Sat only (Ginbey, DXJB 10/1)

ISRAEL The non-EG aspects of IBA's new prime-time service scheduled to begin 31/1: 2200-2230 FR & 2300-2325 Yiddish 7412 & 11637 to ENAM/CAM/NSAM; 9815 NAM; 11620 C&SSAM. 2330-2355 SP 7412 as above; 9815 CSAM; 11637 C&SSAM. 0030-0100 Hebrew 7412 9815 11637 as at 2200; 0130-0155 Portuguese, same as 2330 SP. 0230-0255 SP 7412 as above, 9435 S&CSAM, 9815 CSAM. The 0300-0355 broadcast in Russian to USSR on 738 7395 9815 11960, i.a., is also to NAM 7412. 0400-0500 Net-B Hebrew 7412 9815 with 7412 continuing after 0500 (Larry Magne, PA, 15/1) LN-13

LIBYA SPLAJBC changed fqs again; DS in AR since 13/12 apx: 21610 1000-1400. 17930 1000-1700 15450 1400-1700. 15435 1500-1700. 15415 1800-1500. 49m channel, nom. 6185, traced from before 1715 to after 2300; 17/12 varied 6189-6184 over 6 hours. V. of Arab Homeland ES in AR now hrd at various times 1700-2200 on 17930 15450 15385 11790; continues to 0100 apx on MW only (WBI 20/12)

LAOS LN-13 KOREA SOUTH LN-13

MALTA AWR on new 9665 Suns only 0600-0700 Serbo-Croatian, Sofia CCI 30/12 (Bob Padula, Vic.)

MOZAMBIQUE The R. Mozambique DS sked as monitored: Nacional pgm 0255-0500 3210 4867 7242 9618. 0500-1700 7242 9618 11814. 1700-2210 3210 4867-irregular 7242 9618-probably. Interprovincial pgm 0255-0500 3338 4916. 0345-0645 6050 6977. 0645-1700 6977 9608. 1700-2210 3338 4916 6977. These are from Maputo. From Beira, two different pgms: 0255-0500 3235 3280. 0500-1650 6026 6090. 1700-2000 3235 3280. Interprovincial pgm, as well as prov. stns incl. Beira are relaying main news bulletins from Maputo in PT, several times daily including 1300, 1700, 2200 (Miki Včelač, QTH Africa 10/1) Nomi 9600 moving around to 9605 to 9610 (Ginbey, SCDX 15/1)

PHILIPPINES FEBC Manila on new 9575 ex-7225 Hakka *1100-1115, Cantonese 1115-1130+ with EG lang lessons 1120; reorganized sked, too; 29/12 (Bob Padula, Victoria)

PORTUGAL New sked for AWR via RTE Sines: 9745: Sundays 0600 RS, 0630-0700 UK. 9670: Suns 0700 AR, 0730 FR DX pgm, 0745 FR, 0830 SW, 0900 EG, 0930 EG DX, 0945 EG -1000; 2100-2130 SW. 9615: Sun 0730 GM 0800 RM, 0830 HB, 0900-0915 AB. 15445: Mon-Fri 1600-1630: Mon UK, Tu RS We GM, Th RS, Fr RM. 9670: 2100-2115 EG Tu, 2100-2130 AR We, 2100-2130 GK Th, 2100-2115 DU & 2115-2130 GM Fr (Bob Padula & Peter Bunn, ADXN Jan) 9745 has co-channel Baghdad QRM (Padula, 30/12) Voice of Hope mixed with VOA 21/12 1600 on 15445, SIO 333 (Alok Das Gupta)

SOUTH AFRICA SAUK new Afrikaans DS on SW sked as of 30/12, to SW Afrika & NW Kaap: 0348 (Sat 0427/Sun 0457)-0620 & 1655-closing on 5955; 0625-1550 15285. Other xmtr 0348(Sat 0427/Sun 0457)-0520 & 1755-closing 4880. 0525-1750 11885 (SAUK)

TAJIKISTAN R. Dushanbē ES sked: 0200-0300 Dari SAs 4975 1143. 1230-1300 Dari SAs 7275 4975 1143. 1400-1430 Dari SAs 7275 1143. 1530-1600 Persian ME, 1730-1800 Dari SAs, 1800-1830 Persian ME, all on 7275 1143 (WBI 3/1)

THAILAND R. Thailand ES on 11905 9655 927: 2330-0200 EG, 0415-0520 EG, 0520-0550 FR, 0915-1000 Laotian, 1000-1030 Std Chinese, 1035-1055 TI, 1100-1155 EG, 1200-1230 VT, 1230-1300 CB, 1305-1350 ML, 1350-1425 BM, 1430-1450 JP; also on 97 and 95.5 MHz (WBI 11/79) TURKEY LN-13/14

UNITED NATIONS UN Radio has begun a new svc to E&CAF: 0215-0245 Tu-F FR/EG; Sat SH/SM/PT/EG. All on 6035 and 15240 via Monrovia; fed simultaneously via Greenville 7768.5, Bethany 10869, both SSB (Bob Padula, Vic., via ADXN Jan; RA DX 30/12; QTH Africa 30/12) As of 13/11

U S A Latest monitored sked for KGEI is 6110 1000-1100 JP; 5980 1100-1300 RS; 5980 1300-1400 Chinese; 1/1 (Robert Jones, ADXN) Noted with EG lang lessons 18/1 1325 (gh) more LN-14

U S S R TACC news items are read in Russian at dictation speed on 9580 9730 7420 5780 at 0700-0800 Mon-Fri (ADXN Jan) The R. Afghanistan domestic service in Pashto and Dari is currently observed: 15305 0445-1600. 11710 0525-1700. 7235 0125-0500 & 1700-1930. 6190 0125-0430 & 1600-1930. Approximate due to adverse propagation; these xmtrs are believed to be located outside Afghanistan; 28/12 prior to start of pgms at 0130 on 7235 and 6190 were hrd to radiate xmtr tune-up signals (tone bursts) identical to those used by xmtrs in the USSR. On 13/12, 7235 was apparently a direct off-air relay of 6230 (known to be from a Kabul xmtr) since a teleprinter signal QRming 6230 also appeared on 7235 (WBI 3/1) more USSR/URUGUAY LN 14

VIETNAM Seemingly a new regional stn on 5089, *1300-1400*; and maybe one drifting 4676 or 4680 to 4687 hrd *1000-1100* and *1130-1230* (Jim Young, CA, 4/1) VATICAN; XIZANG LN-14

MISCELÁNEA RADIAL

ADMIRALTY ISLANDS R. Manus 18/12 presumed on 3905 from 2000 tune-in, nx by woman in EG not //4890 Boroko. Very weak on a virtually clear channel; nose-dived into the noise by 2005; no other PNG regionals hrd this nite but nothing else would seem to fit (Gordon Darling, Reading, UK, WDXC MM ENS)

AFGHANI SSR 4775 hrd 29/12 1131-1232, good level at times, unID lang; 1145 "Silent Night"; 6 time pips at 1200; Kabul mentioned several times, but strange hodge-podge of music including gypsy, slow tempo dance mx, etc. Reminded me of Rodina; perhaps for Russian troops, the lang was not Russian; perhaps the YL ancr I hrd was "Kabul Katya". Also 30/12 on 4774.2 at 1153-1237; wonder if pre-invasion Russian-prepared programs. Also hrd at times on 6230, e.g. 6/1 1254 pop/rock vocal; local vocals 8/1 1251, 9/1, but 4775 seems covered by a grinding hammer (Syd Osterman, Toronto, Ont.)

ANTARCTICA Signal measured on 6028.9 at 0030 17/12; apparently due to continuous sunlight in south polar regions, is not strong enough for audio; never hrd as far low as 6028 here (Bob Foxworth, NY) Am only able to hear BFO het from them lately (Bob Rankin, KS, 10/1) Things should start picking up again in February as the nights grow longer (gh) **ARGENTINA LN13**

AUSTRIA Army stn on 6221, hrd first 12/12, then almost every weekday *0930-1430*, nx on the hour, pop mx, frequent IDs in GM with fqs, times, etc; s/off with NA (Bill Whitacre, England)

AZERBAIJAN Batu noted here on 4785, fair to good at 0442; M&F ancrs; many mentions of Azerbaijan; probably in Russian, but definitely local, not //5040 at this time; at 0500 relays Moscow; still here at 0512 recheck, 26/12 (Victor C. Jaar, Charlesbourg PQ)

BANGLADESH Some of us here in NY have been hearing R. Bangladesh at 1230 on 15295, generally readable, SINPO 33323 (John Pavelka, Pittsford) Move/variation from 15285, or typo? (gh)

BELIZE Stn on about 1668 kHz hrd in Texas with play in EG is suspected to be the harmonic of R. Belize on 834 (Jan SWNS) Time? By the way, a report in NRC DX News says they are phasing out MW in favor of an FM network (gh) **BURMA LN-13**

BHUTAN Take a look at Jan LR-A logs on 4690, as well as 3270, 3330.4, 3578 and 4730, all by one "Ralph Jensen" and all outrageous. Apparently this is a test of the new editor. Robinson would at least have pointed out their impossibility (Bill Whitacre, MI) This Jensen sounds like a disgruntled phoney, playing tricks on a new editor. He should have his knobs cut off and be drummed out of all DX clubs! (Syd Osterman, Ont) R. NYAB now on Fridays too, hrd 21/12 1230 on 4690, SIO 322 (Alok Das Gupta, Calcutta, India, Dec IDXCX DX Digest)

CHINA Inner Mongolian PBS, Hohhot, obs the past ten days testing on 4000; amnts say this and 7305 will be used in addition to 6840 3970 from 1/1 for Std Chinese svc. Add'l fqs from that date for Mongolian svc annc'd as 9520 5980 (WBI 3/1) R. Peking annc'd that to promote foreign trade, etc., the CPBS would sponsor from Jan in its first and 2nd pgms, commercials. The R & TV pgm journal would also start to accept ads. Address for ad-placers: Chinese Broadcasting Service Co., the Broadcasting Building outside Fuxing Gate, Peking (Phone 868581 ext. 2522; cable address 0731)(WBI 3/1) 7 ten-minute pgms a day will be devoted to nothing but advertising (UPI 24/12 via NY Times via Foxworth via RIB) Cost: \$693 a minute (UPI via Robert Jones, Sydney, via Jan ADXN) Reports from listeners on the times of these revolutionary (pardon the expression) ad blocks will be most welcome! (gh) **CAPE VERDE LN-13**

COLOMBIA From 1/1/80, local time here is GMT -4, formerly GMT -5 hours (José Mauricio Rangel Neira, PLAY-DX, Italy, 7/1) He should know, but nevertheless, on 17/1 from Rdif. Nacional 11790v at 2346 I heard a time check for 6:45, i.e. still GMT -5 (gh)

COSTA RICA "Who's Behind Radio Noticias del Continente" is a 2-page article in the January REVIEW OF INTERNATIONAL BROADCASTING. Author Roberto H. Iglesias (of Argentina) questions the claim that the nominal 'owner/director', Ana Lorena Cortin Leiva would, as a 29-year-old chemistry student and onetime secretary to the former licensee Lic. Francisco Aguilar Bulgarelli, have the resources to operate the station on her own (gh)

CUBA Also in the Jan RIB, I tell about my visit to Cuba and a 'visit' to R. Habana. You'll find RHC on the top floor of the R. Progreso building. "Maria Montero Triana" was away on vacation, we were told, so there is still no solid evidence she exists. RHC has been doing some much-needed studio remodeling, English announcer Mike Laguardia told us, including upon recommendation of an American listener, soundproofing to reduce air conditioner noise (gh)

ECUADOR More of my alternate ID dept. R. Iris, Esmeraldas, has an oft- and loudly-repeated ID as 'Radio Ahora Mejor Que Nunca'--a man barks this and then a sweet YL radiantly expresses 'Gracias a Vds.'--a nice touch that, yes indeed (Maxfield Greenwood, PA) The word 'radio' may be used in situations other than an 'ID', just as it can be in English (gh)

EQUATORIAL GUINEA R. Ecuatorial, 4925/5005 seems to be sticking to 4925 with 5005 heard only twice in past 2-3 weeks (Mike Bolitho, Toronto, as of 28/12)

FALKLAND ISLANDS Finally a positive reception of FIBS after many attempts and a few tentative loggings. 29/12 hrd in well with BBC Radio Newsreel around 0113 on 2370; at 0130 sign-off clear full ID by woman as the "Falkland Islands Broadcasting Station", pgm info, times; "F.I.B.S. is closing down", GSTQ. Was able to make out approx. 70% of the words, hopefully enough for a QSL; hrd on "W" antenna with SAM lobe. Still in a state of shock (Brett Saylor, Altoona PA, 31/12) Presumed the sig here 30/12 0015 f/in, poor, approaching readability past 0045; peaked at S5-6 around 0110; local powerline QRN hindered; indistinct by 0130 s/off; carrier off at 0131*, dead on 2370. Geomag condx active with 1800z K-index of 5. Did not hear ID; you people with quiet country locations and large antennas (mine only 40 ft) probably sat back and enjoyed this one, hi. The signal should have been widely hrd over the US since at winter solstice, all of CONUS is in darkness by Stanley sunset (Bob Foxworth, NY) Even I have hrd some audio on 2370 now and then, but too much local noise (gh) Chuck Hitton in Atlanta mentions having heard it as early as 2300, but he just wanted to // it to 536 (gh)

GERMANY WEST A good opening 5/1, BR-6085, SDR-6030, SFB-6190 all in. 6085 plays mostly muzak, SDR mostly MOR, SFB rock; tent on RIAS 6005 but too much QRM. Others hrd 0615 to peak 0700-0730, on clear channels (Derek Lowe, Conway AR)

GRENADA RFG is sending coded messages! Weekend obituaries at 2230 on 15045 are in fact some

sort of secret code directed either to agents or revolutionary forces! (John Santosuosso, Lakeland FL, Dec NRRC) Very interesting, but what is the evidence or source for this claim? Obits are also heard weekdays at 2309 (gh)

GUINEA BISSAU LN-13

GUYANA FRENCH FR3, Cayenne, 3385 noted 25/12 0412 church service, on late for Xmas; very strong (Mike Bolitho, Toronto Ont)

INDIA On same day Maldives logged (see below), 4990.4 also in 0130, very strong. This turned out to be Bhopal; just can't believe it's only 1 kW; then on 4/1, 0140-0210 hrd Jammu 4950, same time mx, excellent level (Jim Young, CA) AIR Bhopal on new 4990 *0023 with IS (QSL rcvd by Hans-Dieter Buschan, GFR, SCDX 8/1) Delhi 4860, 1235-1240 29/12 with Indian Forces Program, very strong but big het; last year I thought this Pakistan, but no doubt now; presumed Hindi with some English words (Syd Osterman, Ont)

IRAN (Cf Jan LN-7) Wish I could take credit for that, but the "BW" in this case was "Barry Williams" (Bill Whitacre, MI)

ISRAEL Kol Yisrael's prime-time broadcasts were stymied by demands by radio technicians for more pay for working after midnight Israel time and changes in working conditions, and by disagreements with the World Zionist Organization over funding. It was agreed that if no compromise is reached, KY could use outside studios to produce the programmes. WZO had discontinued financial support because of the technicians' refusal to work after midnight. The WZO was also upset that it had no control over broadcast content (Judy Siegel, Jerusalem Post, Jan 6-12, via Dan Long, Murrysville PA) see LN-13

JORDAN LN-13

KOREA NORTH R.Pyongyang 9977 at 2305 anc'd as "R. Korea", which of course is the name of the South Korean stn--either cleverness or stupidity on the part of RP (Derek Lowe, ASWLC)

KUWAIT R. Kuwait hrd on 21765 around 1345, probably earlier, till s/off, //21685 which is much stronger. Possible image; hrd every morning; do you hear it? (Bob Zilmer, WI) No, but it could be either receiver- or transmitter-generated, 80 kHz up from 21685 which is 80 kHz from their other 13m fq, 21605; rather than another out-of-band deliberateness, methinx (gh)

LIBERIA ELBC, Monrovia, govt stn again being hrd after about 10 years! EG nx at 1900 22/11 on 3255; thanks to tip from Gerhard Werdin (Victor Goonetilleke, Sri Lanka, ADXN Jan)

MALDIVES Best LN item for me in many years proved to be this, Dec LN-4. 31/12 at 0056 /on 4754 presumably -gh/ they were entirely in the open with no QRM, extremely strong sigs. Bird cry IS played till 0100, then 3 time pips, woman ancr with 5 or 6 words ending "... Radio Maldeeves". Short annt, into Indian type mx singing. Gone by 0135! All on tape! Ever since 1/1/80 they are on earlier than *0100, but they fade in, so don't know when s/on occurs now; see INDIA above (Jim Young, CA)

MAURITIUS LN-13

MEXICO The harmonic of XEZX Tenasique, Tabasco, hrd nightly at SWNS HQ on 1720 until 0158*. Also IDs as "Serenada(?) del Aire". Meanwhile, a SWNS correspondent in Texas has hrd the harmonic of XENL Monterrey on that same 1720 kHz fq (Jan SWNS) 2 x 860 (gh)

MONGOLIA Ulan Bator on 12068, 1221-1250a*, English, woman with nx, "from Radio Centre" or "Central", then ID, commentary, pleasant string music. Much noise and QRM from 12070 Mayak USSR pgm. Listing UB on 12070 can be very confusing, as in Jan LR2-2 (Syd Osterman, Ont.) UB barely audible *1220-1250* on 6385 ± 2 kHz, man and woman alternating, quite pretty music interspersed; SIO 211. Maybe better on days other than this, 27/12 (Maxfield Greenwood, PA)

NEPAL (Cf Jan LN-4) R. Nepal has reverted to 3425 ex-7105 for DS & ES pgms (WBI 20/12) LN-13

NEW HEBRIDES Port Vila hrd on 7260 local ID in local lang 0700; good signals, new fq; 15/12 (Mike Willis, Vic., ADXN Jan) New sked for this outlet, hrd 18/12 0847-0900 vernaculars (Bob Padula, Jan ADXN) Irregular here 0800-0830 (tho carrier usually detectable) changing from FR into Pidgin around 0815; very weak but clear channel, occasional US ham QRM. Tnx to No#1 Green for tip (Gordon Darling, Reading, UKOGBANI, WDXC mid-month express news service) Australian aid for 1980-81 includes \$A250,000 and 4 people for construction at R. Vila (Pacific Islands Monthly 10/79 via Bob Bodell, OR)

NICARAGUA New stn, R. Cínica, on Atlantic coast, *1130 23/12 and 24/12. Lots of Xmas mx, SP IDs, also taped EG ID by woman "This is R. Cínica, breaking to the historic march of the coast people and out towards our brothers of the Pacific, greeting you on the international band of 49 meters on your dial of 6120 kilocycles." If this is the old R. Atlántico surely power has been raised as signal booms right in. Wonder how often they have "White Christmas" there? (Don Moore, Bellefonte PA) Also reported as R. Zínica by BBCMS--phonetically identical but who has seen it in print? (gh) "Música ranchera" hrd here 1145-1215 (Greenwood, PA) La Voz de Nicaragua, 5950, on regularly to 0453*, very strong; mx either I AM or disco; IDs mention both 49m and 25m fqs, but haven't tracked latter down (Mike Bolitho, Ont, 28/12) 11837, hrd since 27/12 // 5950 and 620 (WBI 3/1) more 6120, LN-13

NIGERIA In its fourth-quarter 1979 program booklet, V. of Nigeria reported on its letter counts for the month of July 1979 following the introduction of 3 different services. The West African Service Hausa language section had 1026 from Nigeria and 1577 from other WAF countries. NAF & Overseas service had 32: 15 from Japan, 7 from Canada & USA, 5 from Nordic countries, 3 from GB, 1 ea. France & Holland. Monitoring unit got 68 letters, of which 11

were from broadcasting organisations; 29 from Eu, 18 from Am, 10 from FE/Au/Japan (gh)

OMAN R. Oman's DS on 11890 obs 12/12 to 2025* (WBI 20/12) 11890 fair thru QRM at 1753, song requests pgm; ID 1814 as "Al-Izaat al-Omaniah min Masqat". Nx 1900, Koran 2017, anthem to 2024*; also hrd once at 0320, but badly QRM'd; 26/12 (Victor C. Jaar, PQ)

/more PERU LN 13

PERU At 0015 6/1 there was a serious fire at R. Tropical, Tarapoto, brought under control and finally put out 24h later, but studios completely destroyed. On 7/1 they were using an improvised studio and asking for donations of records, tapes, etc. The xmtrs survived but sustained moderate but easily repairable damage to the final tubes. Because of this their power varied between 500 and 900 watts, and there were some often serious modulation problems. They plan to go off the air for a week to fix them completely (unknown when), and plan to be in normal operation again in 3-4 weeks. Main offices were destroyed, so that may mean that many or all reception reports not answered yet were destroyed. They were requesting reception reports starting 25/1 from Peru and other LAm countries on SW (Kevin L. Meyer, Lima, 7/1) Presumably 4935 kHz, the 9710 also listed and once active (gh) 17/1 at 1200 stn hrd on 10011 kHz (decimal, not binary, hi) with SP talk about 'la familia peruana', 'cooperativas agrarias'; lost to QRM from 7th harmonic of local WBMK-1430 by 1214. Very likely this is the 2nd harmonic of R. Jaén 5005 (not audible at this time). Since WBMK and WUOT share a C.E., I have suggested a little more harmonic suppression over there would be in order... (gh)

POLAND Pathfinders (at long last!!!) on 6195, 1150-1230+ found by accident while looking for R. Freedom from Scotland. Amazing signal, lunch-chair copy. Pops, some orch/piano mx, woman ancr with IDs, anmts, nx, 1200. Nice tape, nice report--and nice QSL?? (Bill Whitacre, @ Mike Barraclough's, Letchworth, England circa 16/12)

PORTUGAL UnID on 15015 30/12 1752-1802* this day only, chimes and anthem remind me of R. Buzkadi; (Syd Osterman, Ont.) Listened to your tape, and it's definitely R. Portugal in Portuguese; they have spur problems from 15125 (?) (gh)

RHODESIA On 21/12 the ZRBC began relaying at 1600 BBC WS news, replacing a locally-produced newscast; relay of SABC news weekdays at 0600 continues (WBI 3/1) Highly symbolic item (gh)

SA'UDI ARABIA BSKSA noted 1/1 on 11095, 2140-2151* sudden off, in Arabic; half a second ahead of 15060. Assume latter isn't Riyadh (Terry L. Krueger, FL)

SINGAPORE LN-13

SOLOMON ISLANDS Australian aid includes \$A8000 for a broadcasting study, and 6 people, in 1978-79; \$A266,000 and 9 people for SIBC transmitters in 1978-79; and \$A300,000 with 12 people for Broadcasting phase II, 1980-81, not to mention \$A79,000 and 2 people for "Cattle Under Trees", 1978-79 and \$A45,000 and no people in 1978-79 for butchery equipment (Pacific Islands Monthly 10/79 via Bodell)

SOUTH AFRICA Fqs used for R. RSA's New Year's Eve listener phone-in were 7270 11900 15220 15380 17805. This time they took calls in languages other than English and had separate numbers for each language service. First noted 2210, kept going until 0145 (Dave Mosier, CA)

SWAZILAND TWR hrd 9/1 from 0100 on 15150, easy-listening mx and EG IDs announcing test for Asia (Jim Conrad, IA) Tnx for tip, hrd here too, to 0230*, splatter from R. RSA = 15155 when it came up late after 0200 (gh) TWR 11965 hrd 6/1 1945 in PT produced at Bonaire, 1948*, VG no QRM. Also 2000* 11840 Lingala; never hrd before this! (Jay Novello, NY) more, LN-13

SWITZERLAND After 2 months, Sottens 500 kW has returned to 15305 from 11945 for 1315-1515. Sottens is always sked 50° to NE As 0700-0930 on 21695 and 1315-1515 because Schwarzenburg does not have antennas for this target area. The Sottens antenna is a rotatable curtain. When Sottens has technical troubles, not infrequently, Schwarzenburg uses a 65° curtain to SEAs on these frequencies (Robert Jones, NSW, ADXN Jan)

TAJIKISTAN Presumed Dushanbé, 4635 0236-0325 fade out, surprisingly late 27/12. Turkish-like songs, M ancr thru 0259, 0300 joins Moscow, QRN increases (Victor C. Jaar, Charlesbourg PQ)

TANZANIA R. Tanzania DS, 4785, on late past 2220 24/12, presumed Swahili Xmas church service. Often good other days on same fq to 2000* (Mike Bolitho, Toronto, Ont.)

TRANSKEI Kristine and I visited their Cape Town sales office. 51% owned by Transkei govt; top 100 with maximum of 9 commercial minutes per hour, split into six sesquiminute segments. Pgm consultant is M. Bukht, original Programme Controller of Capital Radio, London. Slogans will be "All the hits and more" and "The station that puts a sparkle in your ear". Bumper strip says "Have you hugged your radio today?" With 500 kW, MW 603 ("604") should make it to Nam east coast easily (Pete Taylor, IRCA DX Monitor 12/1) cf LN-2

U A E Abu Dhabi 9695 provides good sigs 1400-1500, AR anmts and mx; clear fq during D79 (Peter Bunn, Vic., RA DX 16/12)

UGANDA 6/1 at 0245 noted hash all over and beyond the limits of the 19mb, finally traced to 15325 which itself sounded all right; multi-toned drumming, as IS? 0253 ID as to USA/Can/NZ at 0300-0415, pgm summary, giving time now as 5 min past 6 (gh) more, LN-14 URUGUAY LN-14

UKOGBANI (Cf Jan LR-B 7325) The mixup almost certainly was in the programme feed switching system at Bush House (Gordon Darling, WDXC MMENS) BBC definitely testing SSB 9855-9860, hrd 24/12 0550 lang //9915; earlier date SSB with WS 0720. That SSB was for the present a dead issue (Maxfield Greenwood, PA) Not for feeds to relays, which is what this is (gh)

U S A VOA goofed on 15/12; a broadcast on 6875 at 0300 was in both Russian and English on the same freq (Fred Schumacher, Kindred ND) No, they didn't; independent sideband feeds (gh) Altho there is no official word yet from Pres. Carter, Mary Foley Bitterman of Honolulu will be the VOA's new director. She is 35, entered broadcasting 5 years ago and has since headed KHET, Hawaii public TV. She is also a former vice chairman of the Hawaii state Democratic Party (NY Times 19/12 via Malcolm Kaufman, RIB) VOA is expanding broadcasts to Iran in Persian from 2 to 6 hours a day. This began before Soviet troops intervened in Afghanistan, but VOA officials point out that Persian can be heard and understood by many in Afghanistan and Soviet Tadzhikistan. Turkish, also understood by Azerbaijanis in Iran and the USSR, is being increased from 30 minutes to an hour. VOA also hopes to broadcast 30 mins a day to the Azerbaijanis in their own language. Uzbek time has been doubled from one hour to two a day. Urdu and Bengali have increased from an hour to a sesquihour (Graham Hovey, NY Times 10/1 via Malcolm Kaufman and Bob Foxworth; similar story from Newsweek 7/1 via Marty Delfin, TX)

Ronald F. Schatz and I visited WYFR-Okeechobee 30/12. You go 15 miles N of the town on US 441, a mile past state 68, then left at the T onto C-724 ("Eagle Island Road" tho we saw no such signs) about 8 miles west by which time the towers will be visible on the left. Visitors are rare but welcome; just don't ring the doorbell at :50 past the hour when there's a very busy switching operation for 10 minutes. More details in Jan. R.I.B. (gh)

UZBEKISTAN Newspaper 'Pravda Vostoka' reported 6/12 that the construxion of the new studio complex in Tashkent began in 1968, eleven years later only half the planned work had been carried out. The 9-month plan for 1979 was only 13% fulfilled. All the expensive radio and TV equipment was acquired years ago and has been in storage where it is gradually becoming outdated without ever being used (WBI 3/1)

VIETNAM UnID stn on 4792 again noted *1000-1100+: *1000-1030 relay Hanoi 1st pgm; 1030-1100 local pgm in VT, 1100+ Relay Hanoi 1st pgm (Takumi Yamazaki, Akita, Japan, DX Front Line 30/12) Hrd to 1400*, Hanoi relay to 1300, then local pgms in VT to 1400*. Similar to Phu Khanh 5140; seems to be a stn in Trung Bo or Central Vietnam. Comeback of Nghe Tinh? This first appeared on 4780, then 6280 until early in 1979 (Isao Ugusa, DXFL Editor)

FUTURE PLANS

AUSTRALIA (Cf Jan LN-8) The listener response in 1979 to the RA Chinese pgm has had a remarkable effect on the Australian govt and

R. Australia itself. At the end of 1979, 130,000 letters had been received from China alone and 140,000 from Chinese listeners in SE Asia, which had previously been the intended target areas. The govt finally agreed to the full restoration of the Darwin site by the end of 1982, subject to parliamentary approval. On 25/10/79 it was moved in Parliament that the Darwin proposal be referred to the Parliamentary Standing Committee on Public Works for consideration and report. The proposal involved: restoration of the access jetty and new wharhead, repair and structural upgrading of bldgs including services, provision of new staff accomodation, repair and replacement of submarine power cables, misc. repairs to roads, fencing and engineering services, and replacement of transmitting antennas, associated transmission lines and switching facilities. Estimated cost is \$A10,000,000. The proposal was subsequently approved and on 14/12/79 the Minister for Foreign Affairs, Mr. Peacock, ancd that in Sept 1982 when Darwin would be fully operational with three 250 kW xmtrs, RA would commence a series of 104 English lessons for listeners in China. Early in 1980, an inter-departmental committee will sort out details of the construxion program. When the power lines and some other works have been restored by late 1980 or early 1981, one xmtr will operate at night using the salvaged antenna, at first. During the construxion of the new antennas, it will not be possible to transmit in the daytime, mainly for safety reasons. This is similar to the arrangement that existed in 1969-71, during the original construxion period (Robert Jones, Jan ADXX) R. Australia will soon be getting a new director, who was formerly with the ABC office in Washington (Keith Glover, Club Forum 12/1)

AZORES Friends on Terceira tell me there is a project to build new radio installations allowing them to reach America without trouble and communicate with the great mass of emigrants from the islands living in the US and Canada. (Juan EA3-00035, Aug-Sept-Oct Receptor, Canary Islands) Almost surely would be SW, tho a big directional MW xmtr would bomb into MA (gh)

BELGIUM Sometime in 1980 BRT will broadcast on 1512 kHz MW with 600 kW in Dutch and English; also the DX pgm will become weekly (Leslie Byron, Laurelton NY, from BRT Mailbag 10/1)

DOMINICAN REPUBLIC RTVD IS is getting new equipment after the hurricane disaster last August. A new xmtr is being installed for 9505 kHz while the stn continues on the air on 5967 at 2200-0100 (Simo Soininen, Finland, SCDX 8/1)

ECUADOR There have been some component failures at Elkhart so it now looks like the new 500 kW HCJB xmtr may not be ready until mid-1980. A big project like that always takes longer than expected, it seems. We will announce on the air whenever the xmtr is ready to be shipped to Ecuador (Clayton Howard, 18/12)

KOREA SOUTH R. Korea mentioned that the govt intends to activate a radio time signal/std fq stn during 1980; no mention of freq range, which could reasonably be only LF to cover all of Korea (Jan SWNS)

MONGOLIA R. Moscow reports the USSR is helping develop radio here; last year 4 major radio stns came into service and construxion of 3 more would soon begin (WBI 20/12)

NAMIBIA (Cf Aug LN-11) Shortwave broadcasting is to be introduced in Sept 1980 (Richard Ginbey, RN DXJB 10/1) Until then, any stn hrd with "Namibia" in its name is actually a program, clandestine or not, broadcast to Namibia from outside (gh)

U S A Joseph Costello, owner of local rocker WRNO (FM) has applied for a 100 kW SW license, with studios next to FM and xmtr south of Gretna IA (Mike Dörner, Metairie LA, Jan R.I.B.) Costello told me he has long been interested in SW since his days as a young SWL. The format of WRNO (shortwave) would be 25 mins of rock and 5 mins of network news per half hour. Multinational advertisers would be sought, and he believes the station would be commercially successful. A wide-angle antenna at 46° toward Europe would be used, and if successful, a second service toward Latin America would be undertaken. As of 7/1 the FCC had not yet issued a CP, but it was expected shortly; the station could possibly be on the air by the end of 1980; the transmitter has already been purchased from Harris (gh, Jan REVIEW OF INTERNATIONAL BROADCASTING) At our ND Farmers Union convention 3 weeks ago we passed a resolution on a motion introduced by me, to investigate the possibility of starting a farmer-owned cooperative radio station on AM to cover the whole state and possibly SW also (Fred Schumacher, Kindred ND, 20/12)

W A R C (Cf Jan LN-9) The new radio regulations adopted at WARC 79 will come into force on 1 January 1982. The new SWBC band spectrum above 10 MHz is to become available beginning in 1985. A loss is to occur in the 11 mb: 25600-25670 is to be used exclusively for radio astronomy. Besides 5, 10, 15, 20 and 25 MHz for std frequency and time signals, discrete entries are made for 8000 and 16000 kHz in Region 3. Broadcasting (i.e. TV -gh) on 41-47 MHz in region 1 is deleted in favour of fixed services. FM band to run 87.5-108 MHz worldwide (presently chopped off at 98, 100 or 104 MHz in some areas -gh) (ITU press release 6/12 via Jan ADXN)

CLANDESTINE CRANNY Afghanistan Press reports say a rebel radio station is operating next to the Pakistani border (SCDX 15/1) The US has evidence that the coup against Pres. Hafizullah Amin was orchestrated from the Soviet Union and included fake, prerecorded (sic) broadcasts from secret radio transmitters in Russia, the State Dept said yesterday. Hodding Carter 3d said first accounts of the coup 'were clearly prerecorded' and broadcast from 'inside the Soviet Union on stations claiming to be R. Kabul while R. Kabul was in fact carrying out normal broadcasting.' (James Weighart, NY Daily News 1/1, via RIB) Kabul radio repeatedly broadcast a speech Babrak Karmal made Thursday night. But that speech was broadcast on R. Tashkent several hours before Kabul first broadcast it, suggesting that it was taped (William Borders, Islamabad, NY Times 30/12 via Bob Foxworth) Informed US sources said the broadcasts came from the Soviet city of Termez, just north of the Afghanistan border. US monitoring services first noticed the phantom station, with its ability to dominate the R. Kabul frequency, just before the Taraki-Amin shoot-out in mid-September (Stephen J. Lynton, Washington Post 1/1 via Foxworth) No SWBC xmtrs are listed for Termez, which might suggest the use of a portable facility. The Soviets used portable broadcast xmtrs during their invasion of Czechoslovakia (Jan SWNS) See also LN-3, 4

Free Lebanon Radio was again obs 18/12 on 1500 kHz, in AR, hostile to Palestinian involvement in Lebanon (WBI 20/12)

Voice of the People of Burma per anmt 18/12 on 7570 & 6322 its three daily 'test' broadcasts at 0000, 0630, 1200 would be temporarily suspended 21-25 Dec; resume 26/12 (WBI 20/12) LN-14

R. Abdala hrd GMT 2/1 0140-0206 on 7082. Local signal with very professional reading in SP by man and woman of datelined mx, anti-Castro commentary, mx, IDs such as: "Están en sintonía con R. Abdala, órgano de la agrupación Abdala, que transmite por 7080 kilociclos, banda de 40 metros, la frecuencia de Abdala". New year's greetings, off in mid-song. Signal, audio and content nothing like Miami's Comandante David. Don't know where this is (Terry L. Krueger, Casselberry FL)

R. Libertad Cubana noted 12/1 0200-0225 on 7091, hosted by Comandante David Casselberry FL himself. Signal, audio and production same quality as the 2/1 broadcast of 7082-Abdala, so both obviously linked now. The old Comandante broadcasts surely were from his own ham gear; this new operation is far more elaborate. Oddly enough, the producers must still be independent, as the overall quality of content was far superior on Abdala. After s/off, C/uban/mx and ID like "Ésta es R. Libertad Cubana, única estación de Rebelde, que transmite desde Lunica pelatico? de sierra libre que exista en las montañas orientales, desde la República de Cuba." He then took a Spanish SSB call, answering in AM! (Terry L. Krueger, FL) That's probably 'único pedacito', not 'lunica pelatico' (gh) Observed 13/12 at 0145 on 7088, "the only Radio Rebelde stn broadcasting from the only little piece of free territory in the eastern mountains of the Republic of Cuba". The announcer stated that RLC would be on the air on Tuesdays, Thursdays and Saturdays at 0200. At 0220 "Comandante David" allowed listeners five minutes to report on reception. Three or four radio operators replied. At 0230* he said the stn power was 1.8 kW. Again hrd 15/12 at 0200-0233, martial mx, material hostile to the Cuban govt and mx mainly on Nicaragua, "the only information medium of the Cuban Armed Forces which has risen in arms in Oriente and Camagüey Provinces" (WBI 20/12) Continues to broadcast irregularly at the stated times (WBI 3/1) Dear FCC: thanks for looking the other way while you're busy busting CBers and hobby pirates, so we can have this most interesting listening (gh)

Nuestras Malvinas LN-14

Spies On 9860, 5-digit German, repeated, so strong she could have been next door, 0315-0324

"ende" 27/12. Same date, different woman in GM, 5-digit on 4543 // SSB 4595 at 0340. And on 3364 21/12 *0530 after continuous piano IS, man with 3-digit numbers in unknown language similar to Russian with "shest", "odin", "devyet", "dva" and "noola". I've hrd this before; what language? (Jay Novello, NY) Probably Czech (gh) see GRENADA LN-5/6

Radio Free Europe/Radio Liberty may move to the US. Congress is considering this because of high operating costs due to the dollar's drastic decline in value against the West German mark. Most of the radio employees in Munich are concerned that such a pullout would be the first step toward closing down the stations, would encourage communist propaganda and would destroy the important sense of proximity to the countries about which, and to which, they broadcast. Costs have risen 60% since 1975, and a news employee in Germany costs 60% more than in the US (Michael Burns, Baltimore Sun, via New Orleans Times-Picayune 16/11, Dorner) A plan was made public in Washington 16/12 in which Pres. Carter approves money for more staff members and an expansion of broadcasting and transmission facilities. Broadcasts were increased to Moslem areas of the USSR because of the Afghanistan situation. A computer projection estimates that in a given week 2.5% of the adults among the Moslem population of 40 million or so in Soviet Central Asia tune into R. Liberty (John Vinocur, NY Times 10/1 via Malcolm Kaufman and Bob Foxworth)

R. Free Zimbabwe on 3316 and 7070 has not been observed for some weeks now and is probably off the air (Miki Včelaf, RSA, QTH Africa 10/1)

Voice of Free Africa is still active at 1630-1730 on MW 1022v (Včelaf, QTH Africa 10/1)

Voice of Zimbabwe via R. Mozambique in addition to the existing 50min pgm has introduced two new half hour pgms, in EG and vernaculars at 0400-0430 on 3265 & 4855, at 1200-1230 on 9608 & 11814, and again at 1800-1850 on 3265 & 4855 (Vcelar, QTH Africa 10/1) 27/12 VOZ broadcast hourly from 0800 orders from Robert Mugabe to his own troops on the ceasefire arrangements in Rhodesia. 28/12 VOZ at 1800 was for the first time referred to as 'the evening xmsn' and another was referred to at 0400, not traced until 31/12, for 25 mins on 4855. This xmsn referred to another VOZ BC at 1200, hrd 1/1 on 11815 and 9605 (WBI 3/1) It appears BBC MS is guilty of rounding off frequencies; or Miki is guilty of unrounding them! (gh)

Zimbabwe Peoples Revolutionary Voice & R. Freedom pgms via R. Madagascar now obs 1715-1900 on 5010 and 6135 (WBI 20/12) more, LN-14

European Music Radio test to NAM hrd quite well 16/12 0754 tune in past 0905, when covered by a German numbers stn. Measured on 6234.9, S-6 to 7; Also on 7324.9 but quite a bit weaker and boxed in by 7320 and 7330 signals. First real fading started around 0820. 7325 actually easier copy then the weak. They played song 'We love the pirate stations' at 0822 (Foxworth)

R. Condor Int'l, the Voice of Ireland will test to NAM mid-1980 on 14182.5 and 11463; no further info given (Mike MacCollum, IN)

R. Confusion Int'l, a new stn, supposed to start with a test 0000 GMT 20/1 on 7365 + 10 kHz (Mike MacCollum, IN) This European or North American based? (gh)

FRCB presumed 23/12 1000+ veryweak audio and totally gone by 1100, pop/DJ format, short armts but hrd one in definite English accent, on 6249.0, fq confirmed by Gordon Darling, so ... (Bill Whitacre, Lansing MI)

R. Channel International, new country, Channel Is., hrd on 6552.5 (this correct, or did you mean 6252.5? -gh) 1037-1100 9/12, short armts and long album cuts (Bill Whitacre, Cranford, England) Among several other pirates Bill reports from over there (gh)

R. Enoch, 6250 *1100-1200+ 'send the foreigners home' stuff; they even have a 'People Against Marxism' organization for donations and literature. Claimed after first AM xmsn to be testing in USB their '4 kW suppressed carrier' xmtr for int'l svc--no change in signal and constantly jammed exc. when the jammers shut down to see if Enoch was still on (Bill Whitacre, Cranford, England)

V. of the Pyramids will begin tests to Eu using 100 watts on 15020 (15010 alternate), lasting 15 min, every hour on the hour 1900-2215 GMT, Sat March 1 & 8. Antenna either dipole or 5 element yagi. Report to VOP, RD #2, Box 542, Wescosville PA 18106. NAM svc: Sat evening Mar 1 & 8 (so Mar 2 & 9 by GMT -gh) at 0400-0430 on 6250 (6240 alt) (Anon., postmarked 10/1, Terre Haute IN)

WVOT, V. of Togetherness A few christian people decided it was time to spread the Gospel of our one and only true King. Our first SWBC was a success, but at present we have xmtr problems, so we do hope to have it fixed soon and be back on the air by the first part of 1980. Right now we are trying to find a SW xmtr to relay our broadcasts until ours is ready. We are sending a shipment of our pennants to the FRENDX QSL Report editor. Our frequency remains 28640, in the Mid-West. If all goes as planned this will be our 1980 schedule: Sun Jan 6 2200 GMT. Sat Feb 2 2000. Sun Mar 9 2200. Sun Apr 20 2000. Sat May 24 2200. Sun Jun 29 2000. Sat July 5 2200. Sun Oct 26 1900. Sun Nov 23 1900. Fri Dec 26 2000 (J. V. Stang, Manager, 22/12; postmark illegible)

V. of Venus. A phone call said to look for this on 7050 16/12 at 0345, but wasn't on then. At 0608 I tuned in again and hrd a mention of FRC-USA and they were off at 0609. No ID hrd, so tentative (Mike MacCollum, IN)

"KVHF" I haven't hrd since 11/11. Did the FCC bust them? I tried writing the LA FCC Field Office but my letter was returned since they moved without leaving a forwarding address (David C. Mosier, San Jose CA, 4/1) 6/1 at 0815 I heard KVHF with fair strength on 6419.1 with mixture of disco, pop tunes, Beatles, all uninterrupted until 0900 ID by male voice, "This is Radio KVHF" Then more uninterrupted mx. Fq drifted to 6418.6 by 0945 when I hrd an ID identical to the 0900 one suggesting a taped xmsn. Still on past 1000. Had not logged it here since July; evidently they are back on the air, apparently with less fq stability. KVHF people, please QSL (Jack Lattemann, 314 NE 56th St, Seattle WA 98105)

Green River Radio I hrd 29/12 on 7378 0614-0807 GMT. Ancrs. included Johnny Blackbeard, Bill Grimmel, Joseph Barnyard. Gave San Francisco phone booth number for prepaid calls at 0640, 408-269-9702, with P.D. Fred Knox to answer. I called at 0657 and he promised me a QSL and said they broadcast in the 7340-7420 kHz range, sometimes favoring Wed & Fri nites. Xmtr has 100 W output into a dipole favoring E/W direction. He wanted it known that Moonshine Radio, Pioneer Radio and G.R.R. were three separate stns of the Alderaan Broad. Co. All he would say about their location is that Coors Beer is available at the stn. It began on 28/6/79 and they claim the studio is 10 miles underground. IDs were: The stn that tells it like it is; and The Voice of the Mountain Country. Pgm included Science-Fiction Digest and a commentary on R. Moscow. Said they would QSL reports to FRENDX, SPEEDX, ASWLC (David Margritz, Omaha NE, 7/1)

Moonshine Radio hrd 1/1 0558 on 7360: mx by Bad Company, ID by male "For those of you who have just tuned in, this is Moonshine Radio, with your host Johnny Blackbeard". Mentions of G.R.R. and another stn, then mx by Cars, Boston, and Heart. ID and talk on flyback trans-formers; still going when I left at 0630. Please QSL (Dave Mosier, 6162 Iowa Dr, San Jose CA 95123)

"WARG" hrd on 6965 14/1 0415 tnx to tip from Derek Lowe. Ancr "Ray Haber" seemed to enjoy his own voice; phone (212) 220-9979 for requests of rock; intermittent xmsn, talking to "Joe Snow" of WONS, and appealing for his C.E. to contact him. At 0453 said he would be back on next weekend. "Stairway to Heaven" by LedZep was one selection played; "from somewhere on the east coast". Hefty signal, but ute QRM (gh) Same thing reported by Matthew Brown, Mequon WI on 7/1, frequency undeterminable. I think he must have meant 14/1 (gh)

"WONS" (that's SNOW spelled backwards...) much weaker, hrd in contact with "WARG" above, "from somewhere in the Midwest". Joe Snow also appropriated WARG's phone number for a while. At one point, around 0434 14/1 "Jingle Bells" hrd on synthesizer, probably from this stn. Fq slightly different from WARG's 6965, as revealed by different pitch het against ute (gh)

R. Indiana hrd several times in 4015-4025 kHz range: 2/12 0519, 9/12 0512, 1/1 0517, all tentative as QRM terrible. New Years broadcast seemed to go only to 0530, not 0700 as they said. Also hrd on 6985a 8/12 in SSB at 0417*; ID but no explanation as to why here and in SSB (Mike MacCollum, IN)

"WDAB", 6213 kHz, 22/12 0250-0317*, strong but ruined by het with marine stn; tape was old, I believe, but music was very good (Mike MacCollum, IN) Stn on 3860 hrd 31/12 on full AM, 0930 rock, M&W ancrs, 0959 phone call from Holly MI. Real pro operation; weak but definite. ID sounded like WDAB or WBAB (Jim Conrad, Waterloo IA)

"WBLO" hrd 2330 29/12 on 3875a, tape saying WBLO would return soon to "75" with new power and xmtrs. "Close Encounters" music played underneath. British man sounding different, from the one on RHL. Also on 3880a 1/1 *0517-0520* probably same tape, ham QRM (Mike MacCollum, IN)

"Free Radio WFEF", new pirate on 3880, tuned in 21/12 2210. Phone 516-378-8884; anti-communist; asking for feedback on Iran. Said they were in New Jersey; ID 2230, and a guy in the background said WB2ISR and they shut down. Said their range is 2000 miles; had a break-in from a legal AM, 400 miles south. Signal here extremely strong; of 20 phone calls they said most were negative and that bothered them (Maxfield Greenwood, Devon PA)

"WHY" 23/12 around 0345 I got a call from someone with a disguised voice and rock music in the background, telling me to listen for WHY at 0700 on 3405; I did and hrd at 0701 & 0707 strong blank carriers, but apparently from elsewhere; 0704-0705 I hrd some extremely faint music, which I think was WHY, but no ID hrd (Mike MacCollum, IN)

"XR705" supposed to be on 7050 starting first Sat & Sun in 1980 at 0500 in AM, but I didn't hear them then (Mike MacCollum, IN)

PRN, Pirate Radio New England hrd 30/12 on 1620 kHz repeating 12/11 pgm, per occasional breaks in the recording when a live ancrr would step in. Nice clear signal at 0518; how about sending one of those QSLs? Thanks (Don Moore, Box 157, R.D. #5, Bellefonte PA 16823) Was listening between 0600 & 0700 Sunday and they appear to be real professionals running a fairly first rate operation. They are real pirate radio crusaders and to one caller said what really keeps them going is that in America if you get caught you don't get shot. They are in no way a bunch of basement amateurs, as in the case with Free Radio out of New Jersey (Maxfield Greenwood, PA)

"WENJ" Hrd 1/1 on 1615 kHz at 0520; pop mx, lots of oldies. One small comedy spot and a nice clear ID at 0545 that sounded (on purpose, I assume) like it was made by one of those evil robots seen in Sci-Fi movies (Don Moore, Bellefonte PA) as it started on ABC-TV (MacCollum)

UnIDs, 3872a 2/12 0558* very strong rock; 3881a 10/12 0137-0140* relaying Pink Panther theme/

DX PROGRAMS

CANADA Steve Webster, who had been doing the DX news on Ed. 2 of RCI DX Digest has discontinued this service due to a poor response from listeners, especially those members of the club he represents, ODXA. Bill Butuk and John Garner have been doing the C-SWL-I portion of the DX news on Ed. 4. We also have decided to drop it due to a poor response from our members. We will be continuing for a while until Ian finds a replacement for this segment (John Garner, Jan CANDX) The other DX reporter on RCI has no plans to stop (gh)

ISRAEL If VOI's additional EG xmsns have actually begun, I expect the DX Corner with Ben Dalfen will be heard not only Suns at 2025 and 2255, but also GMT Mons 0025, 0125, 0225 (gh)

PORTUGAL The WDXC spot on AWR is no more. The last report was before the first of the year (Bill Whitacre, Lansing MI, 9/1) Forever, or temporarily? It's had hiati before; if so, delete it from DX PROGRAMS IN ENGLISH schedule in Jan. R.I.B., Sun 0935 (gh). New sked for AWR via RTE Sines includes Suns on 9670, French DX pgm produced by TELEX at 0730-0745; and on 9670 Suns 0930-0945 English DX pgm (Padula & Bunn, Jan ADXN) Whole pgm off, or WDXC? (gh)

SRI LANKA Forthcoming R. Monitors International pgms (Suns 1100 & 1400) include: Feb. 3, RCI DX Digest; Feb. 10, South Pacific Islands; Feb. 17, The Radio Doctor; Feb. 24, ORF SW Panorama (IDXCI Dec)

TURKEY Due to VOI's reorganisation of EG broadcasts, DX Corner has also changed from former 2135 Mon/Thu/Sat sked; I have hrd it Thu 2215 (so presumably also at 2045), and Sat 2045 & 2215, but not at all during the Mon 2200-2300 broadcast; amend sked in RIB (gh)

U S A "DX Saint Louis" is on St. Louis FM stns KFUD Mon-Fri at 4 pm (CST) and Tue & Thu at 2 pm on KSLH, hosted by Michael Charles. An hour of music and a little chat having nothing to do with DX (Will Martin, St. Louis)

UKOGBANI BBC's Spanish section is planning a DX-type program, and asks for letters of support from listeners, along with suggestions (Receptor, Aug-Sept-Oct)

PROGRAM NEWS

CANADA It was a 'noble experiment', but the RCI Mailbag in the North American service moves back to Sundays just before the DX Digest as of 27/1; too much news material kept bumping it on Fridays (local days), per amnt 19/1 when it was bumped completely (gh) Expect RCI to go all-night again with election returns GMT Feb. 19 (Todd Thompson, CA, Jan REVIEW OF INTERNATIONAL BROADCASTING)

UKOGBANI "Hitch-Hikers' Guide to the Galaxy" resumes on BBC WS 28/2, Thurs 0330; other possible times are Mon 1400, Wed 2030 if it replaces all 3 airings of "Into the Eighties". The magnum opus "Land & People", a social history of C.B. presented by Lord Briggs, begins Sat. Feb. 9 at 2045, repeated Mon 1000, Wed 1615 (Joel Rubin, CA) That HHGTG is the long-awaited second series, the one running recently having been a repeat of #1 (gh) During Feb., different comedy programs billed collectively as "Smash of the Day" run Tues 1215, Thurs 0630, Fri 2030. Also, Feb. LONDON CALLING readers are asked to check off all the BBCWS programmes they listen to during the final week of the month and send in the pages as a listeners' survey(gh)

PUBLICATIONS

Radio Communications Guide is Steve Handler's latest compilation of utility (mostly military/governmental) frequencies in 51 different categories, designed both for the SWL and the VHF/UHF scanner monitor. Offset, 80 pages 8½ x 11, spiral bound, lies flat. Check or MO (no cash) for \$6.95 payable to Handler Enterprises, Inc. Illinois residents must add 42c tax; \$1 extra for first class; otherwise by book rate, up to 4 weeks in transit. "This publication contains hundreds of frequencies and call signs, some of which came direct from U.S. government files !!!" (Handler Enterprises, Inc., P.O. Box 48, Deerfield IL 60015) On p. 18 explains the USAF propagation broadcasts, "BEER CAN", but I found the info given inadequate in this incomplete entry (gh) below

What's On the Air Below 500 kHz? (Part 1) by Karl Thurber, Jr., may be a useful introduction to this somewhat neglected range; pp 88-95 in Feb. POPULAR ELECTRONICS. You will also find in that issue on pp 104-107 a long list of gh's Selected Shortwave Programs (gh)

As It Happened, 189 pp. hardcover book by Barbara Frum, with some of her best interviews, and behind-the-scenes revelations of her CBC program of almost the same name. Great fun to read. ISBN 0-7710-3195-5; (C) 1976 McClelland & Stewart; price on flap was \$10 (gh, tnx W. Martin)

QTH Africa is a one-page three-times-a-month DX news sheet in SCDX format; publisher Miki Včelaf takes great care to confirm information published, primarily about Africa but also elsewhere as monitored from DX pgms, etc. Subscribers also get special editions 6 times a year, clandestine surveys or skeds of African external services in English. Sample is 2 IRC; subs US\$7.00 per year 'which barely covers postage'; bank notes preferred. (Miki Včelaf, P O Box 28250, Pretoria 0132, South Africa)

A Guide to Propagation and Band Condition Reports, Nov-Dec 1979 Elementary Electronics, pp. 42-43, explains the WWV propagation information at 18 past the hour, but more importantly, also gives the key to breaking the 'code' of the USAF "Beer Can" propagation broadcasts at 15 & 45 past the hour on 4590 7540 13993 USB. By Thomas R. Sundstrom (gh)

CB Magazine, Jan. 80 contains 3 articles of interest to SW enthusiasts--"Shortwave Weather", Tech Tips by Larry Brookwell, and a discussion of SSB vs. AM (Rufus Jordan, PA)

Review of International Broadcasting is a monthly listeners' magazine--oriented toward programs, politics and people rather than transmission schedules, loggings, QSL's and technical info you are accustomed to seeing in DX magazines. If you have a gnawing feeling something is lacking in your SW listening and reading about it, RIB may be just the answer. See for yourself by requesting a sample copy (\$1 in North America; 7 IRCs overseas airmail), or by subscribing for a year @ US\$12 (US\$16.50 overseas airmail), US funds only, payable to: Glenn Hauser, GH, R.I.B., University Radio WUOT, Knoxville TN 37916 (gh)

DXing China, the latest ARDXC publication, by Bob Padula, is an attempt to compile in one place as much current info as possible on the known SWBC operations in the PRC and Taiwan along with geographical and historical info; list by freq of home and regional service (not external services). Also includes last-minute update sheet. Should be of especial interest to those trying for QSLs from inside China, now becoming available. Price by airmail worldwide: US\$2.00 (dollar bills OK) or 7 IRCs from: ARDXC, Box 227, Box Hill, Vic. 3128, Australia. It's 12 pages, FRENDX size (gh)

LAST-MINUTE ITEMS AFGHANISTAN (Cf LN-3) R. Afghanistan DS sked now observed on 7200 0125-1930; 6230 0330-1930; 4775 0125-0335

ALBANIA R. Tirana moved to 11990 ex-11985, often hrd, fair in EG 1400 (Tohru Naka, WBI 10/1)

ARGENTINA A visiting professor from Argentina tells me that R. Rivadavia is /nishi RADX 13/1) owned by a sports conglomerate; this accounts for all the sports on it (Stu Klein, FL, 21/1)

BANGLADESH RB hrd at 1830 on 11855, EG nx, Bengali & western mx, past 1900 4/1 (Jim Uerlings)

BURMA As hrd in late Dec, from southern France, BBS signs off daily exactly /OR, SPEEDXGRAM) at 1445* on 4725 with a short xylophone-like music (Jean-Jacques Bloch, Paris, France)

CAMBODIA WOKP DS anc'd that it would add Laotian & Vietnamese to its ES 7/1: Laotian 0045 & 1245, VT 0100 & 1300; on 11940 9695 1360. Introduction confirmed, but all lang ES xmsns that day were 30 rather than 15 mins, expected to return soon to 15 min format; 11938. 1/7 EG was at 00 & 12, FR 0030 & 1230, TI 01 & 13, LO 0130 & 1330, VT 02 & 14. WOKP audible on 7350 7007 6089 917 for its DS (WBI 10/1)

CAPE VERDE Voz do Sao Vicente hrd on 3931 to 2401* 29/12 in PT (Jean-Jacques Bloch, Paris)

GUINEA BISSAU Rdif. Nacional back on the air, on 5040; tnx to tip from Cedric Marshall in Jan DX Ontario; I hrd it 27/12 *0700 weakish, IDs, Afro mx; 28/12 *0600 NA, s/on anmts, into continuous African mx past 0645 (Mike Bolitho, Toronto, Ont.)

ISRAEL (Cf LN-2, 4) At press time it was possible that the prime time service, because of an internal dispute, would be required to move some or all of its freqs in-band (gh)

JORDAN HKBS, 9560 noted 1730* 22/12, ID as "R. Jordan, broadcasting from Amman". Believe not hrd widely this season; Moscow on the frequency (Mike Bolitho, Toronto, Ont.)

KOREA SOUTH R. Korea on 9870 ex-15570 to Eu 1245-1500: 1245 EG, 1330 SP, 1400 FR, 1430 RS; also on 12090; the EG & FR are also to SEAs on 7550 (WBI 10/1)

LAOS LNR Vientiane says Pakse regional is on 6600 & 1370, 2300-0130, 0400-0630, 1000-1300

MAURITIUS "MBC" ID hrd at 1259* on 9710-; Soviet het (Klein, FL) (Peter Bunn, RA DX 6 Jan 80)

NEPAL R. Nepal hrd for the first time with disco mx, 28/12 1555-1630 on 3425; unseems daily

NICARAGUA R. Chinita /sic/, 6120 21/12 1130 US Xmas songs, many IDs, in SP (Bloch, France) and EG, TCs, fqy, slogans, M&W ancrs; feedback troubles with audio (Jack Jones, MS)

PERU (Cf LN-7) Tent. R. Tropical hrd 12/1 4935, already on at 0950; strong, mostly mx; also unID definite Peruvian on 5035 (note neither of the 2 listed), giving location as in capital of S. Martin province (Moyobamba, where no stns are listed), 1005 OC, 1007 inst'l NA, unreadable ID, Peruvian mx; sometimes M DJ, sometimes W; hrd several times (Stu Klein, FL, 21/1) The 10010.5 stn's definitely R. Jaén, better log 22/1 1210-1222 when TC & ID (gh)

SEYCHELLES (Cf LN-2) FEBA now on 15360, EG to 0520* Sun when extended pgm, 13/1, maybe ex-25mb (Bob Padula, Victoria) 0700-0800 EG to As on 17785 ex-17715; //15150; 1800 IS hrd on 15270, new (Miki Včelař, SCDX 22/1)

SINGAPORE Several R. Singapore IDs hrd 19/1 1516-1647 on 4780 //5052; 5010 unheard so this may replace it; one time reception so may not be conclusive (George Poppin, San Francisco CA)

SWAZILAND TWR testing to As on 11795 at 0000-0100; reports wanted (Cushen, SCDX 22/1) Cf LN-7

TURKEY (Cf Jan LN-1) VOT reorganized its ES on 1/1: The service in Turkish for Turks abroad now 0427-2157, ex-0357-2127. Fqs obs at apx times: 0427-1000 15225 9515. 1000-1200 17820 15260 15225 11770 9515. 1200-1300 15225 9515. 1300-1500 15225 11800 9515. 1500-1600 15225 9515. 1600-1800 15225 11880 9665 9515. 1800-1900 11880 9515 7215. 1900-2157 9515 7215. BCs in non-Turkish langs obs: 1200-1300 EG 17820 11800. 1300-1330 UD 17820. 1330-1430 EG 17820. 1430-1500 PS 17820. 1500-1600 AR 11880 9665. 1930-2030 GM 11955 7170. 2030-2130 EG 11955 9550. 2130-2200 FR 11955 9550. 2200-2255 EG 11955 9550 9515 7215. RM, GK, BG, SC, SC NOT yet traced (WBI 10/1) 1800-1815 RM, 1815-1830 BG, 1830-1845 SC, all on 7170; 1845-1930 GK on 7170 and 6115. Targets for EG: 1200 SWAs, Au, Nam; 1330 SEAs; 2030 WEu; 2200 WEu, Nam, SEAs,

Au. The Turkish for Turks abroad service sked given this way, differing from above, with targets: 0430-2200 9515 WEU. 0600-1800 15225 WEU (sometimes earlier than *0600). 1800-2200 7215 WEU. 1000-1200 15260 NAF. 1000-1100 11770 ME. 1100-1200 17820 Au. 1300-1500 11800 NAM. 1600-1800 9665 ME. 1600-1845 11880 NAF. As transcribed from VOT DX pgm. 11955 can be destroyed here by BBC FES at 2200; I have to tune to noisy 9515. Also Turkish music fans will enjoy the 0600 15225 xmsn if the band is open (Rolf Gunnar, CO, 19/1)

UGANDA Since 5/1 I have not detected any signal from R. Uganda on 15325 at 0300 or later. Has R. Uganda shut down NAM beam; or shut down in general, due to financial situation? Has anyone hrd them on 15250, etc.? (Maxfield Greenwood, PA, 17/1)

URUGUAY R. El Espectador hrd by sheer luck 17/1 0905-0955 fadeout on 11835, peaking 0920-0950 at SIO 333; hyper, hyper, hyper; world nx and local sports delivered by inter-changing men, at a rapid-fire pace. Many IDs, TCs, ads, jingles, e.g.: "R. El Espectador", then about 4 rapid low-key chords on an electric organ; then 2nd man says "Transmite CX-14, El Espectador", then a second 4 chords on electric organ; man again: "Montevideo, República Oriental del Uruguay": then roughly 2 guitar chords, 4 organ chords and one drum thump. (Maxfield Greenwood, PA) Update on SODRE services: SP at 2100 & 2245 on 11885; SP 0000 & 0130 on 9515; EG 2145 & 2315 on 11885; 0045 & 0215 on 9515. Local svc 0800-0200 on 9620 15275 (Daniel F. Martínez & Daniel M. Faccioli, Uruguay, Jan-Feb MARPLA DXCiting)

U S A VOA in Persian 1915-1945 is no longer a repeat of the 1830-1900 xmsn. In addition to 1260 kHz /Rhodos/, the 1915-1945 is also on Greenville 17810; Kavala 11935 9590 7285. In addition to these broadcasts and 0300-0330, there is also Persian at 0230-0300 on 9745 9700 9530 7115 6060 1260, introduced 13/12, increasing VOA weekly output in Persian to 14 hours (WBI 10/1)

U S S R Further monitoring of R. Afghanistan DS gives more accurate sked (cf LN-3): 15305 0445-1500. 11710 0525-1530. 7235 0125-0520 & 1600-1930. 6190 0125-0430 & 1515-1930; however times of changeover from one fq to another vary somewhat (WBI 10/1)

VATICAN VR increased output to Eu 7/1 with a new daily series of xmsns on 6190 and 1530 at 0300-0615, 15 min pgms repeating previous evening xmsns: 0300 RM, 0315 BG, 0330 AB, 0345 SE, 0400 CT, 0415 CZ, 0430 SK, 0445 HG, 0500 PL, 0515 GM, 0530 FR, 0545 EG, 0600 IT. (WBI 10/1) This 6190 fq has been known to appear actually out of band around 6210 (gh)

XIZANG Tibet PBS sked, per sked received direct along with QSL card in Chinese from Lhasa, as of 12/11/79: Tibetan: 960 4035 5240 5995 9490 9680 2300-0645 & 1000-1545. Chinese pgm: 594 4750 5935 7170: 2300-0645 & 1000-1545. Local time is GMT+8, not GMT+6 as in WRTVH. 5240 and 4750 are well heard in Paris (Jean-Jacques Bloch) That's like 2h of DST yearound(gh)

CLANDESTINE Zimbabwe People's Revolutionary Voice pgm presented by Patriotic Front via R. Zambia ES facilities, had been unhrd on 7250 since 19/12, but was obs again 0700 6/1 & 7/1 on 6165. At the end of pgm, anc'r stated that the ZPRV pgm would be retimed to 1715 from 7/1. However, it failed to appear on any known R. Zambia fq at that time (WBI 10/1) Cf LN-10

V. of the People of Burma (Cf LN-9) Resumed BCs on 7570 & 6323 after the anc'd temporary suspension; however, they are now at 0030-0230, 0530-0630 & 1130-1330, representing an output reduction from 8 to 6 hours per day. The pgms still follow the pattern of earlier 'tests', music and songs interspersed with 'combat news'. Apart from Burmese, the stn broadcasts in various minority langs and Std Chinese. Tho these BCs do not refer to the regular VOPB BCs on 6304 & 5110, some 'combat news' items are carried by both services (WBI 10/1)

Nuestras Malvinas is a pgm on LU-20, R. Chubut, 580 kHz, Mon-Fri 2300-2430; the first five minutes are provincial and malvine nx in SP; the rest of the pgm is in EG, with Argentine folk mx and general info (ARPA via MDXA Jan-Feb DXCiting) Arg. claims the Falkland Is (gh)

UNIDENTIFIED 4993 nonstop disco & Lam mx, 0314 past 0538, no talk at all; frequent long pauses between songs, couple carrier-offs; good signal 31/12; couldn't check 1/1; absent 2/1 (Jay Novello, Endwell NY)

5255 apx Good signal from unID Arabic stn to 2300*; ID was quite clear but I couldn't make it out. Anthem sounded like it was being performed by some ragamuffin airport band; 23/12. Also hrd daily at 2300*, ID sounds like R. Ba-ROCK; can not make it an M- sound as in Marak, nor an E sound as in Iraq. I know there's a R. Bayrak on Cyprus, but lang is surely Arabic, not Turkish. Possible Qu'ran chants lead into s/off ID, followed by seeming anthem performed by salvation army quality band. Can anyone locate this? Appears quite regular on East Coast at poor-fair signal (Maxfield Greenwood, PA, 14/1) Couple times I checked, unheard, QRN (gh)

9003 11/12 2205-2346* Arabic, MSW talking with mx on half hour intervals; never caught ID, but ended with martial mx; weak (Fred Schumacher, Kindred ND)

17930 Habana Spanish service 2028-2045 21/12 & 22/12; is this via Tripoli, Libya? (Bob Padua, Victoria) Would be an interesting development if so; Libya since left fq, but check around this time on its other known fqs (cf LN-4). Hmm, checking LN-4 myself, I see 17930 was still sked at last report; yet I haven't hrd it when I checked. It's quite possible this be a spur from RHC itself, from some other 16m freq; as I have noted such 17900+ before (gh)

PROPAGATION INFO useful in Que & NE NAM--predictions--can be obtained from a government station in Ottawa by phoning (613) 996-4824 (Pierre Gagnon, Nov COCQ L'Onde) 73 de Glenn

naswa AWARDS reports

7921 Anfred Drive
Laurel, Maryland 20810

February, 1980

The following report gives all awards issued during the period 1 October 1979 through 31 December 1979. All awards are listed in chronological order of issue.

EUROPEAN CONTINENTAL DXER

Jim Goebel
Joseph W. Wildeisen
Steve Schawb
Michael D. Fischer
Gordon F. Blom

EUROPEAN CONTINENTAL DXPERT

Jon Kapinos
S. David Klein

SOUTH AMERICAN CONTINENTAL DXER

Frank A. Orcutt
Alan R. Plotnick
J. Huniwell
Dave Valko

SOUTH AMERICAN CONTINENTAL DXPERT

John C. Onken

NORTH AMERICAN CONTINENTAL DXER

S. David Klein
J. Roland Desrosiers
Alan R. Plotnick
Dave Valko

DXER DE PACIFICA

Robert A. Wallace
Dave Valko
James C. Clifford
Marge Witte

ASIAN CONTINENTAL DXER

S. David Klein
Gordon F. Blom
Brett Saylor

WORLD WIDE DXER

Robert A. Wallace
James C. Clifford
Duane Sears
Steve Schawb
Dennis Kelly
Michael D. Fischer
Terry Colgan
David Allan Timmer
Robert Wirrell

DX CENTURION

James Smallwood
Baxter W. Hensley
Gordon F. Blom
John M. Kapinos
Brett Saylor

MASTER DX CENTURION

Jerry Berg (from last issue--it got
cut off in printing)

ALL CONTINENT QRP DXER

Daniel J. Prisco---50 kw
Frank F. Orcutt--50 kw
Chris Leitner--25 kw

SOVIET SPHERE DXER

Brett Saylor
J. Roland Desrosiers
S. David Klein
Jon Greenberg
Daniel J. Prisco
Jon M. Kapinos

MASTER SOVIET SPHERE DXER

Gordon F. Blom
S. David Klein

ECCLESIASTIC DXER

Robert A. Wallace
James C. Clifford
Walter Dittrich
John R. Meyer
Gordon F. Blom
John C. Onken

MAPLE LEAF DXER

S. David Klein
James C. Clifford
Marge E. Witte
Stephen E. Pitts
J. Roland Desrosiers
Ray Hughes
Alan R. Plotnick

VOA DXER

S. David Klein

SENIOR INDONESIAN DXER

Stephen E. Pitts

SENIOR BRITISH COMMONWEALTH DXER

S. David Klein

MASTER BRITISH COMMONWEALTH DXER

S. David Klein

Well, that's all for this quarter. There has been significant interest in the awards program and we thank all of you for your interest and your patience this year, for your awards chairman has been gone more than he's been at home. As a reward for the interest, and insuring a dynamic awards program, the following IMPORTANT ANNOUNCEMENT IS MADE: Effective 1 January 1980, the following changes in verification requirements are made: For North American DXPERT: From 20 to 18; and for VOA sites, from 14 to 12 sites. This in recognition of the changing world of SWDX'ing. Till next time-----73, Dan Henderson



A FRENDX classic



THE BEVERIDGE ANTENNA: I'LL DRINK TO THAT!

You've heard of them...and, so had I. The "super antenna", the mysterious and exalted Beveridge. But, it wasn't until I'd logged BOTH Swazi and Tristan Radio in a 24 hour span that I became a believer.

Swazi was a simple matter, actually. Working from the formula in the ARRM Antenna Book, I patiently constructed the appropriate antenna for the job. A stack of 6,155 rusty Coca-Cola cans took care of the resonant frequency, and mere use of sheet metal cutters allowed me to snip the letters "O"... "R"... "F" from one of the cans. There...that eliminates the interference from Vienna.

At 0400 I cranked up the receiver, and after carefully positioning the soda straw sticking out of the uppermost Coke can to the proper bearing for Swaziland...Presto! The report was out the next day, and I still have a tape for any doubting Thomases. Subpoena me if you wanna hear it.

But Tristan! Now THAT'S a different story. How confident I was... yeah, they'd be there, I knew it. I just knew it! And, I'd have a good 15 hours to modify the super antenna to do the job.

I was up all night. First, up on the ladder, filling my wheelbarrow with the 2,865 Coke cans I'd have to pitch out of the stack to lower the resonance to 3290 kHz. Next, the metal shears again. This time, though, "G"... "B"... "C" went. Good-bye Georgetown! And, to play safe, I also snipped off..."UTE". I was done in record time, 1400 Greenwich. I had time to shower, shave, and even catch breakfast and a few Z's.

1855 rolled around. Ah, what a beautiful day! I sat before the SX-100, that knowing smile plastered on my face. Heh, heh...no QSL's in the mail...but today, TODAY Tristan would be mine!

1858. Nothing.

"Hey, what's that Wireless Administrator watchacallit doing, taking an extended coffee break?? C'mon!!!" I huffed, and a few beads of sweat broke over my brow.

1859:15 Greenwich stinkin' Mean Time. And nothing...not a DARN thing.

"Where's the blasted interval signal????!!?" I muttered aloud...louder than I thought, for the cat jumped, the bird started fluttering around the cage in those little circles, feathers shimmering to the ground. My roommate turned his head, but seeing me under my earphones, didn't bother to ask.

Panic! Sheer panic, with a capital "P".

Yeah...the frequency was OK...and the preselector on target, yeah... but what the heck's wrong with the Bev...It hit me.

"GREAT GABERONES!!!" I yelled out. The bird really went nuts now, flittin' around and banging into the cage walls. I bolted from the receiver and down the stairs like a man possessed...stormed into the bathroom, tore upon the medicine chest...and without stopping, dove head first out the window into the back yard. A couple of scratches, and I only ripped my shirt slightly. Racing into the garage, I swooped up the old wood ladder and charged the pile of cans in the back yard.

"Okay now...up to the top of the stack...and...there!" putting a small white pill into the top can.

I was back into my shack before the receiver in a flash. 1900 GMT.

Whew! The OM with English accent and all, boomed in: "This is Tristan Radio Z-O-E, Broadcasting Service of..." the heavenly signal went.

Ah, relief. I lit up a cigarette and sat back. How silly of me to have forgotten the most important part of the beveridge antennal

After all...it IS Dristan da Cola, isn't it?

(February 74, by Ralph Perry)

IMPORTANT SCIENTIFIC CONTRIBUTION MADE BY DX'ER

My former employment in pipeline construction required that I move to various parts of the country. Therefore, my outside antenna for short-wave listening was a wire whose length was dependent upon whatever supports were available at each location. The fact that this random length of wire was not resonant did not cause any serious reception problems until last winter when I moved to Bemidji, Minnesota.

I got up at my favorite DXing time...around daybreak...the next morning after getting the receiver and tenna set up. I noticed that the temperature on the outside thermometer was 49 degrees below zero and said to myself, "Brr, now that's cold!" I turned on the receiver, but even the VOA barely moved the needle of the S-meter. Upon going outside to check my newly strung antenna, the problem immediately became obvious. Standing Waves! The frequency waves were freezing solid right there on the antennal

However, the signals reached their normal strength after the sun had been up for a little while. By alert observation of the thermometer at this time, I made the important scientific discovery, later verified in numerous controlled experiments, that the freezing point of standing waves is -41° Farenheit!

(December 73, by Jimmy Jones)

* * * * *

(The scientific discovery story was the winner of the late 1973 Tall Tale Contest, and the judge, Dan Ferguson, had this to say about it:

"While helping me to judge the Tall Tales, Al Sizer commented that while he agreed Jimmy Jones' tale was the winner, he could attest to the veracity of Jones' story having had similar experiences himself after reading Jones' report. It seems that after the thaw came in Bemidji, Sizer turned on his receiver just as the last ice crystals were dropping from the antenna. He caught the spectacular voice booming in: "We now bring you the Sunday morning church service from the Episcopal Church in Port Moresby." But, in case you don't think hearing Port Moresby is so much of a big deal, Sizer reminds us that the day he heard it was Thursday. The frozen waves had thawed and filled his receiver with signals from the previous Sunday that had been frozen on his antennal! Congratulations to Jones! This remarkable discovery will henceforth be known as Jones' Bemidji Effect.")

update

February 1980***Number 60

Tom Allen
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111 USA
(816) 931-5943 0030-0400 GMT only!

UPCOMING DEADLINES: 10 February (Mid-Feb) 19 February (March) 12 March (Mid-March)

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

- ANDORRA** AWR, 6215, in EG/FR 1929; IDs by M in EG/FR. fair to good. First noted as UNID on 11-24. Heard daily to end of December. 2100*. (Victor Jaar, PQ)
- ANGOLA** A number of Angolans heard around 2130 1-5; Luanda 4820 and 3375, Lobito, 7001; all w/ better than usual sigs. (Jerry Berg, MA)***Am hearing Luanda 4820 around 2230 here. tba
- ARGENTINA** R. Rivadaiva, 5880, in SP 0130; M&W w/ nx, TC. Argentinian friend says this one is owned by sports conglomerate and is very popular locally. (Stu Klein, FL)
- BOTSWANA** Gaberones, 4845, in Setswana 0404; in well for once w/ Bucaramanga 0400*. First time here since the Colombian back. (tba)
- BRAZIL** R. Riberao Preto, 3205, in PT 0245; in very well w/ EzL vocals by W and ID. (tba)+++ R. Cultura Araraquara, 3365, tentative in PT 0252; talks by M and possible s/off anncmt 0258. 0259*. (tba)+++R. Ribamar, 4785, in PT tentative 0236; DJ format w/ MoR and seeming ID 0240. (tba)+++R. Tabajara, 4795, in PT 0815; talk for 7.5 min., ID and more gab. (Klein, FL)+++ R. Taubate, 4925, in PT 0005-35; rather poor in static but nice to hear regardless. M w/ talk, freq and ID as "Emisora Taubate, difusora _____ Brazil." LA ballads, US pops. Also seems to use "Cultura _____" slogan. (Neal Perdue, AL)+++R. Marumbi Ltda, 9675, in PT 0915+; t/in during religious pgm, full ID and freqs 0924. No splatter from absent RA 9670. (Berg, MA 1-10)+++R. Bras, 15125a, in EG 2055; ID, freq, anncmts 2100*. (Chris Leithner, TN 1-5)
- CANADA** CFCN/CPVP, 6030, in EG 0740-0805; top 40 pops. Ads 0740, "CFCN time, 1240." More ads, hockey scores, M DJ, and nx by W 0800. More pops 0804. First time heard here since last April. (Bob Rankin, KS 1-6)+++CFRX, 6070, in EG 0914; local and provincial weather. (Jack Jones, MS 1-15)
- CEINT. AFR. REP.** Bangui, 5040, in FR 0730; drums to half hour, M anncr w/ clear "LV Republique Cent. Afr." ID. Into highlife mx. (Klein, FL)
- CHINA** Kunning(L), 4760, in CH 1130. Not // 6937 and list as 4759. (Berg, MA)+++Harbin, 4840, in CH 1251; opera mx. (tba)+++ Believe Peking w/ apparent FS pgm on 4882 at 1255 in CH or dialect. (tba)+++Presumed Urumchi, 5060, in CH 1130-1200. (Berg)+++Qinghai PBS, 6260, in CH 1050; usual talk and CH mx. 5 regular and one high pip on hour, ID. Same at 1200. One of the few CH regionals yielding a positive ID here. (Berg)+++RP in RS, 6558, at *1000-1055* sometimes varying up to 6563. (Berg, MA)+++FFBS, 9500, in CH 1200; the W anncr always heard here must be chained to her chair. Usual tirades. (Klein, FL)+++RP, 15165, in CH 0130-0300; mostly mx including M,F, & choral vocals. Continued in SP at 0300. (Jim Weber, PA)
- CLANDESTINE** R. Libertad Cubana, 7092, in SP 0200+; anti-Castro talks, and generally dominant over CW QRM. Closed talk 0236 but stayed on talking to SP ARos to 0243*. (Berg, MA 1-7)
- COLOMBIA** LV de los Centauros, 5955, in SP *0939; mx, ID, calls, freqs, "Buenos dias, Colombia." (Jones, MS 1-11)+++LV de la Selva, 6170, in SP 1103; ID, TC, LA ballads. (Jones, MS 1-15)
- CONGO** Pte. Noire, 4843, tentative in FR/verns 0524. Occasional snatches of FR and drums. No ID though. (tba)
- COSTA RICA** R. Nueva Victoria, 6083, in SP 0850; first time in morning. Full ID 0900 w/ QTH and telephone number. Then "musica romantica." Maybe special 1-1 pgm. (Berg, MA)+++Faro del Caribe, 6175 rf, in SP 1044; ID, TC, mx. First time in many months here. (Jones, MS 1-7)---F&C also noted on 6175, up from 6035, and // 5055 at 1045 1-6. (Berg, MA)---F&C heard in AMs on 6175 after 1-16. (Klein, FL)
- ECUADOR** LV Napo, 3280, in Indian 1010; M anncr, ID, nice local Indian melodies. (Klein, FL)+++ R. Federacion, 4960, in SP 0140-0259*; M anncr, HC mx, latin pops, Mexican sounding mx, talk and IDs. Here some nights but not others even when 60m HCs good. (Perdue, AL)+++HCJB, 26020, in PT 1600; 100w tests. At 1700, in EG // to freqs to Eur. Still there 1800 and beyond. Sigs varied from weak to moderate w/ deep, slow fades. (Dan Srebnick, NY)---HCJB verie confirms that llm xmtr is 100w, as reported by Glenn Hauser. Good in EG on 26020 at 1400 1400. (Berg, MA)
- EQ. GUINEA** R. Ecuatorial, 5005, in SP 0438 12-25, but back on 4925 2115 1-2. (Mike Politho, ON)
- *FALKLAND IS.** FIBS, 2370, in EG 0126-0129:44*; BBC Radio Nxreel, full anncmt by W, schedule of mail drops and passenger arrivals, summary next day's pgms, final anncmts and off w/ GSTQ. (Bill Yohana, NJ 1-10)
- FINLAND** RF, 21475, in EG 1450; "Starting Finnish" pgm. (Ruth Vollrath, MO)
- FRENCH GUIANA** FR 3 Cayenne, 3385, in FR 0412; on late for Xmas and quite strong w/ church service. (Bolitho, ON 12-25)
- GERMANY (FED REP)** VOA Munich, 3980, in EG 0516; Bkfst Show, very poor. (Leithner, TN 1-1)+++ DW Julich, 3995, in GM 0507; nx, ID, "Hier ist die DW nachrichten." (Leithner, TN 1-1)+++ Bayerischer Rundfunk, 6085, in GM 0615-0702; heavy splatter from VOA 6080. Old Harry Bellafonte songs. Single gong 0700 and ID. (Rankin, KS 1-14)+++Sudwestfunk, 7265, in GM; C&W mx w/ chat between cuts at 0216. ID 0220. (Leithner, TN 12-27)

- **GREENLAND** Godthab, 3999, in lang 2110; W in Inuit-like lang to past 2135, then M and mx. Weak to fair, improves then overpowered by AROs. No //s this time. (Victor Jaar, PQ 1-2)
- GRENADE** RFG, 15045, presumed in EG 2049; pops, greetings to listeners, mentions of St. Georges. (Leithner, TN 1-5)
- GUINEA BISSAU** Rdf Nacional, 5040, in PT *0700; drum IS, NA, s/on anncmts, ID, on 12-28. On 12-29 at *0600 w/ similar details, followed by continual Afr 0640. Tnx Cedric Marshall. (Bolitho, O)
- HONDURAS** HRVC, 4820, in EG 0320; "Unshackled." (Vollrath, MO)
- **INDIA** Delhi, 4860, in lang 1235-1240; Indian Forces Pgm. M w/ talk and some EG. List of regimen al names, military band mx and subcont vocals. This dug out from big het. (Syd Osterman, ON)+++
- AIR**, 9705, in sked Tibetan *1230; one pip on half hour, W anncr w/ ID. (Klein, FL)
- **INDONESIA** Jambi, 4927, presumed, 2220+ in Indo; not bad on 1-13 w/ bird call IS, definite RRI ID and martial mx 2228, and into radio drama. Gone by 2300. A real surprise. (Berg, MA)
- **IRAQ** Baghdad, 3240, in Trukish 2045-2057*; talk by W, mx to 2055, ID and anthem. S/off 2057. (Joe DiLeo, CT 1-9)---Believed Baghdad on 3242 in Trukish-like lang 2047 weak and soon gone. (Jaar, PQ 12-25)
- ISRAEL** IBA, 7465, in EG 0500; under favorable condx, this tx, which is in FR 0515, can be heard in addition to listed freqs. (Ralf Munster, GA)
- JAPAN** RJ, 17870, in EG 0045; Asian nx and "Current Topics." (Vollrath, MO)
- KENYA** Listed as Mombasa, used to be Kisumu, 4885, tentative in lang 2006; Koran chant, and M in lang. At 2013 recheck carrier only to 2014*. Worth further checks. (Jaar, PQ)
- KOREA (N)** Pyongyang, 5868, in lang *1000 w/ s/off varying from 1023 to 1034. Also heard at 2232*. (Berg, MA)
- KOREA(S)** RK Seoul, 15350, in SP 0130; in during Luxembourg absence but weak. Usual IDs, sked, and nx. (Jaar, PQ)
- KUWAIT** RK, 15140, in AR 1640; // 11665. NF. AR mx, ID by , song, nx 1700. Vy good. (Jaar, PQ)
- **MAURITIUS** MBC, 9710, 1258-1300*; piano selection, W anncr, MBC ID and off in the middle of the "C". USSR QRM. (Klein, FL)
- MEXICO** XEQM, 6105, in SP 1148; ID as "MQ-QM", R. Yucatan, and "Sus Panteras." List of net stns and into nx. (Jones, MS 1-6)
- **NEPAL** Kathmandu, 3425, in lang *1240; IS, M in presumed Nepali, mention of Kathmandu, and local choral mx. Excellent during short Asian open. (Osterman, ON)
- NEW HEBRIDES** Vila, 7260, in lang 0940; heard again w/ church service, ID, drumming. Have noted FR here at 0730, but not sure its the same one. (Berg, MA 1-6)
- NICARAGUA** R. Zinica, 6120, in SP/EG 1150, M anncr, ID, EG ID requested reports. (Klein FL)
- NIGER** ORTN, 5020, in FR *0530; anncmts, Koran, FR talk, up-tempo Afr mx past 0630. (Bolitho, ON)
- **OMAN** Muscat, 11890, in AR 1753; W anncr, AR mx and song, request pgm, ID 1814. Nx by M at 1902 recheck, detailed nx, ID 1911; Koran chants 2017 recheck to W anncr 2022. March like anthem and off 2024*. (Jaar, PQ)***Nice persistence. A good, solid, reliable log. tba
- PAKISTAN** RP, 5060, in lang 0126; talks, chants, many mentions of Islamabad. 0230*. Also heard // 7095 for at least part of this time, but AROs pretty heavy there. (Berg, MA)
- PERU** R. Atlantida, 4790, in SP 0915; usual anncr and format. (Klein, FL)---Same at 0510 w/ SP version of "In the Navy". (Perdue, AL)+++R. Chinchaycocha, 4860, in SP 1035. Usual format. (Klein, FL)+++R. El Sol, 5970, in SP *1030; just there w/ "El Sol en Los Andes." (Klein, FL)+++ R. Victoria, 6020, in SP *1025; M anncr, long s/on anncmts and such. (Klein, FL)+++R. Tawantinsuyo, 6175, in SP 1035; high-pitched W vocalist, flutes, W anncr, ID, TC, QTH. (Klein, FL)+++ R. America, 9510, tentative in SP 1050; snatches of local mx, possible ID before destruction by BBC 1054. (Klein, FL)
- PHILIPPINES** FEBC, 9715, in CH *1233; IS, M anncr, ID, nx, "Let's Learn EG." (Klein FL)---FEBC also on 11890 w/ beautiful sigs during EG nx at 0935. (Berg, MA)
- POLAND** PR, 7270, in EG 0223; light mx, comment, ID. (Leithner, TN)
- RHODESIA** ZRBC, 3306, in EG 0337; EG DJ show, disco mx, ID, TC for GMT+2. (tba)
- SAUDI ARABIA** BSKSA, 11853, in EG 1900; good w/ pop mx. (Berg, MA)
- SOUTH AFRICA** R. 5, 3250, in EG/Afrikaans 0330; usual pops and ads. (tba)+++RSA, 17720, in EG 0200-0250; here from 17780 to escape QRM from VOA has run into Moscow which supposedly is 0100*. Moscow is here to 0300, probably Petropavlovsk per UHN. (Munster, GA)
- SRI LANKA** SLBC, 9720, in EG 1237; W anncr and religious pgm. (Klein, FL)
- SURINAM** R. Apintie, 4795, in DT 0920; subcont mx and DT anncr. (Klein, FL)
- USSR** Presumed Dushanbe, 4635, at 0236; Turkish-like songs, Manncr to 0259 when joins RM. Gone by 0325. (Jaar, PQ)+++Baku, 4785, in lang 0442; M&F anncrs, many mentions of Azerbaijan, probal ly RS, but definitely local. Relays Moscow 0500. (Jaar, PQ)+++Tbilisi, 4930, presumed 0040-0100 w/ 2 M anncr, orch mx, LA vocals. 10 note vibraphone IS 0100, pips and M&W in lang. (Perdue, AL)***Probably another RS speaker, since Tbilisi comes on 0200 at last log. (tba)***Baku, 4958, in local lang 2130, w/ talk and mx. (DiLeo, CT 1-9)---Baku also noted 0445-0502; presumed Azerbaijan, M&W anncrs, light mx, Ml IS and nx not // 4785. Good. (Terry Krueger, FL 1-7)+++ Yerev: 4990, listed w/ FS IS 0045. (Jaar, PQ)---Same, 0502-0520; RS nx by M, classical mx. Also heard RS regionals 4780, 4810, 4860, 4930, 4940, 5040, 5065. (Krueger, FL 1-7)+++Alma Ata, 5260, list w/ M in UnID lang 0045. No //s heard. (Jaar, PQ)+++RMWS Vinnitsa, in EG 0520-0535; presumed sit nightly fair to good. (Krueger, FL)+++UnID site w/ Mayak IS 5990, at *0900. Into RS talks. (Jones, MS 1-15)+++RMWS, 6050, in EG 1230-1305; noted some days only w/ usual format. Not listed. (Krueger, FL)***No idea. tba***RM Orenburg, 6090, in EG 2030-2100; pretty good through Luxembourg. (Berg, MA 1-2)+++RM HS, 9490, in RS 1050; unknown site. First Service pgms. Thus endeth chance for Tibet here.
- Tnx for the many New Year's greetings. Best of 73, Tom

log report section

1600-4899



TERRY KRUEGER

84 Winter Park Dr., S.
Casselberry, FL 32707

guys offer these days!
and Steve Sbordone.

Thanks for all the cards and notes. A fantastic wall calendar of Suriname arrived a few days back from R Apintie. That's more than the international Also hello to new Florida acquaintances Debra Hidden

- 1620 USA (PIRATE) PRN; EG talk show and mx request 0600 (Greenwood 12-29)
- 2120H DOMINICAN REP. Radiomar; 0520-0535 SP, local style mx, M ID, ads. Very poor, 2X1060. 95% sure of ID (Moore, Kowalski)
- 2340 CHINA Fuzhou; 1135-1145 CH W talk, play, mx (Cucura 12-23)
- 2370 FALKLAND IS. FIBS; 0110-0129*, "BBC Newsreel", EG W ID "You are listening to the Falkland Is. Bdcstng Station", sked for next day, GSTQ (Porter 12-4, Cartwright, Saylor, Wicks, O'Donnell, Valko 12-29) 0032* EZL mx, W ID, GSTQ. Thanks Crawford (Klein 12-11)
- 2390 GUATEMALA LV de Atitlan; 0355 SP romantic ballads, ID 0400 (Moore)
- 2390 MEXICO R Huayacocotla; 0110-0205 ID, mx, mariache mx, TC's, good (Klein 1-3, Jones 1-3)
- 2400H CUBA R Rebelde; 0025 4x600 ruining any chances for Brazil here (Crawford 12-12)
- 2420H GUATEMALA R Rumbos; 1030 SP TC/ID; you can't tell me this ain't intentional! (Klein 12-19)
- 2745 N. KOREA KCBS; 1347 KO W talk, band mx, fair // 2767/2850 (Poppin)
- 2850T N. KOREA KCBS-Pyongyang; KO W cmtry, brief instr mx 2230, M. Faded fast. Via long path (Moore 12-24)
- 3160 SPY SP 3-digits (Radcliff)
- 3200 SWAZILAND TWR; *0257-0309 IS, EG ID into Afrikaans, Afro mx, fair-poor (Cunningham, Diekman) Johnson)
- 3205 BRAZIL R Ribeirao Preto; 0004-0300 PT, ads, ID (Klein, Rankin, D.W./Poppin)
- 3210V MOZAMBIQUE RM; *0248-0315 PT, IS on Mbira, NA, ID, nx, Afro music (Mkgil, Cunningham, Rankin) Poppin)
- 3215 SULAWESI RRI-Menado; 1155-1301 IN nx, Xmas mx, flutes (Clifford, Poppin)
- 3215 UNID CH W referring to Taiwan, Fukien. Organ (electric), no pips, no chime ID 1600. Fair (Poppin 12-29)
- 3220 ECUADOR HCJB; 0300-0334 SP rel pgmng (Cunningham, Gregory) 0030 SP/Quechua, ID on half hour (Meyer-PERU)
- 3220 PAPUA NEW GUINEA R Morobe; 1208 f/in, Pidgin, Xmas carol, talks, EG mx 1111 7258 fade; poor (Lobdell)
- 3222 TOGO RTVT-Lama Kara; 2109 presumed w/ FR talk by M&W, folk tunes, EG rendition of "Jingle Bells", 2230* w/ NA. Too much ute QRM for definite ID. Poor (Lobdell 12-25)
- 3223 SWAZILAND SCR; presumed w/ EG accented DJ introing pops, "Don't forget we're bdcstng on... MW kHz" poor w/ ute high side (Krueger)
- 3225 BRAZIL Lins R Clube; 0102 PT ID/TC, light/pop mx (Dayen, Klein)
- 3227 LIBERIA ELWA; 2215-2217* lang, rel mx, s/off (Valko 12-31)
- 3230 TAIWAN BED31-Taipai; 1330-1430 CH pgm and mx, g (Behr 12-30)
- 3235 BRAZIL R Clube de Marilia; 0015-0050 PT, sports, ID (Pardue, Dayen)
- 3240 PERU R America; not on last few nights though and (Meyer-PERU)
- 3240 SWAZILAND TWR; *0255-0305 IS, ID in EG/lang, Afro mx (Cunningham)
- 3245T BRAZIL R Clube de Varginha; PT, pops, ads, CW QRM, too weak for ID (Valko) Hi Dave... TK
- 3245 UNID SP, criollo type mx, f-g, Libertador? (Meyer-PERU)
- 3250 S. AFRICA R Five; 0325-0340 EG ID, rock, TC (Marker, Rankin, Diekman)
- 3252.5 ECUADOR LV del Trunfo; 1055 SP, ID, mx of Ecuador, anmts (Pardue) 0041 ads, US and LA pops (Meyer-PERU)
- 3255 VENEZUELA LV del Tigre; 0124-0157 LA pops, ID (Cunningham, Radcliff) *0955 NA, M ID in SP, SW, AM and FM, LA mx (Klein)
- 3258 SPY 8-note chime IS into GM numbers. Pooled me completely! (Valko)
- *3259 JAPAN NHK-Sendai; 1100-1230 JP pgm and mx; fair w/ 300 watts (Behr 12-27) ID?...TK
- 3260.8 ECUADOR LV del Rio Carrizal; 0310-0338* SP mx pgm, M, poss ID 0332, freq mentd, NA (Dayen 12-16) 0048 (Meyer-PERU)
- 3260T NIGER ORTN; FR talk, NA, 2203 s/off (Yajko 12-23)
- 3260 PAPUA NEW GUINEA R Madang; 1228-1233 PD M, TC, ID, f/out (Cucura)
- 3275 SWAZILAND TWR; *0255-0337 IS, EG/lang ID, hell's-fire preacher in vernacular (Rankin, Cunningham)
- *3277T KASHMIR R Kashmir; v poor; 1320-1330, M talk in what sounded more Hindi than IN, no mx--AIR-3315 audible (Dayen)

- 3280 ECUADOR LV del Napo; 1045 SP ID, pops, TC, Indian dialects (Durnavich, Klein) 0054 short SP rel. story, ID (Meyer-PERU)
- 3285 BELIZE RB; 0510/1125+ EG/SP, pops, ads, nx (8 reporters)
- 3290 ECUADOR unid where Amazonas usually is, g (Meyer-PERU)
- 3300 GUATEMALA R Cultural; 0340 EG rel. talk, 0100 SP (11 reporters)
- 3310 CHINA PES-Changchun Jilin; 1130-1342 CH opera or drama, ID, EG language lesson w/ W from 1330, f-g (Orcutt, Behr, D.W. Johnson, Poppin)
- 3315 ECUADOR R Pastaza; 0334 t/in w/ vocal by M, ad for "articulos Pappa-gallo", SP ID, faded under ute soon after, poor (Lobdell 12-23)
- 0103 "Saludos" pgm, SP W ID, mx, g (Meyer-PERU)
- 3315 INDIA AIR-Bhopal; Hindi M, lost to ute, 1315-1320, otherwise fair. (Dayen 12-19) ID?...TK
- 3320 UNID 1100-1400 Japanese or similar, often strong (Behr 12-26)
- 3322 PAPUA NEW GUINEA R North Solomon; 1234-1240 PD, Xmas mx (Cucura)
- 3325 GUATEMALA R Maya; 1110-1157 SP, Xmas mx, ID (Orcutt, Moore) 0148 past 0200, ID (Radcliff 12-14)
- 3330 CANADA CHU; 0330 EG/FR ID, time signals (Joseph)
- 3330 PERU Ondas del Huallaga; 0108, SP, marches/EZL mx, ID (Meyer-PERU)
- 3335 BRAZIL unid 0021-0100 w/ PT futbol, Conquista usually reported here (Dayen 12-6)
- 3335 PAPUA NEW GUINEA R East Sepik; 1225 EG Xmas eve pgm (Klein)
- 3338.5 MOZAMBIQUE RM; *0253 IS, PT ID, NA, talk, Mbira unid/chants--one ID in EG and FR at s/on (Ottaway, Dayen, Field) Unid 0400-0420 lang talk by W; good, but unable to establish lang. Like to think this is Zanzibar, but not enough evidence (O'Donnell) Probably Mozambique--but only an ID will confirm with these two so close... TK
- 3345 MOLUCCAS RRI-Ternate; 1205 IN M reading probable nx (Klein)
- 3346A UNID African 0615 in lang, drums/flutes (Diekman) Suggest either Ghana outlets on 3350/3368... TK
- 3350T GABON RTWG; 2127, FR talks, choral mx (Yajko) ID? I heard this only once and don't even know if it's on now. GBC also on 3350... TK
- 3350 GHANA GBC-Ejura; 2221 vernacular talks, Afro mx (Valko 12-28)
- 3350 PERU R Independencia; 0114 SP fair, ID, criollo mx, ads, local news (Meyer-PERU)
- 3360 CHINA R Peking; 1305 CH M&W talk (Dayen 12-27) 1200 clsc1 Koto and Folk mx, CH, tentative (George 12-14)
- 3360 GUATEMALA LV de Nahuuala; *1000-1230, ID, ballads, TC (4 reporters)
- 3360 PAPUA NEW GUINEA R Milne Bay; 1223-1233, EG Xmas/C&W songs, TC, Hiri Matu lang. "Merry Xmas" by M (Valko 12-22)
- 3360 PERU R Huanuco; 0118, ID, huaynos, f (Meyer-PERU)
- 3364 SPY *0520-0548* orchestral IS, CZ three-digit groups twice repeated plus another two-digits per group; vg (Crawford, Krueger) in GM from 0530 (Klein)
- 3366 GHANA GBC-Accra; 0555-0602, EG, tenor M, ID, drums (Poppin 12-15)
- 3270 CHINA R Peking; 1402-1455* EG world nx, "Mx in China", ID. Freqs listed as 11565, 9860, 7315 14/16 GMT; 1206 MW 1800 (Sheedy 12-22/24)
- 3375 ANGOLA R Nacional; 0355, mx, NA 0400 (Field)
- 3375T BRAZIL R Clube Dourados; 0040-0050 PT talks, ads, mx. This is a new outlet from Mato Grosso do Sul State (Dayen 12-6) 0345-0335 with musical pgms, no ID understood. (Field 12-29)
- 3377.5 JAPAN NHK-Osaka; 1050-1230 JP nx, EG M&W talk about trip down the Colorado River, EZL mx, Tokyo address for EG school, letters from listeners (Behr, D.W. Johnson)
- 3380 ECUADOR R Iris; 1105/0255+ SP, ID/TC, mx (5 reporters)
- 3380 GUATEMALA R Chortis; *1034/0230+, marimbas, SP ID (5 reporters)
- 3385 BALI & LESSER SUNDAS RRI-Kupang; 1310-1345 IN // 4719 et al, mx, ments of Kupang 1330, ID as "R Indonesia Kupang" 1342--pronounced "Koo-pang" (Dayen 12-27) I too have noticed that many ID's have dropped "Republik"... wonder why?...TK
- 3385 FRENCH GUIANA FR-3; *0900, IS on guitar, NA, pop mx pgm f-g; also noted on 4972 (McVicar, Klein, Perdue, Cucura) 0315* (Greenwood)
- 3385 NEW BRITAIN R East New Britain; 1220, EG, Xmas mx, ID/TC (Klein) 1302* ID, NA (Cunningham, Cucura)
- 3390 ECUADOR R Zaracay; 0915/0100+ SP ID/TC, marches, M (6 reporters)
- 3395 VENEZUELA R Universidad; 0500-0800 SP, pops, ID (5 reporters)
- 3396 ZIMBABWE RHODESIA VoZR; 0355-0410, EG, rel pgm, nx, ID (Durnavich)
- 3425 NEPAL RN; 1100-1250, Hindi-type mx, M ancr, // 9589 test which was worse (Saylor, O'Donnell, Cartwright, Valko, Dayen)
- 3425 UNID PT or SP 0130, LA pops, fair (Meyer-PERU)
- *3607 JAPAN NHK-Hiroshima; 1100 JP nx // 3259; 600 w (Behr) 1118 W talk, tentative. Definitely sounded JP on fantastic Asian opening; nothing else listed (Cartwright TMIDXA GTG 12-28) Like the club name... TK
- 3810 ECUADOR HD2IOA; pips, time in SP, ID mentioning Ecuador 0900. Strong and clear (Perdue 12-15)

- 3869.3 USA unid pirate 0520-0531* American rock, no voice modulation; AM, not SSB. Disappeared abruptly 0513, vg (Rankin 12-25)
- 3910 JAPAN FEN-Tokyo; 1055-1105 EG C&W, ID and world nx (Orcutt)
- 3910 PERU R San Francisco; 0158 SP, fair, huayno mx, ID, (Meyer-PERU)
- 3925 PAPUA NEW GUINEA NBC; 1245 EG ID, pops, ads, TC (Gregory 12-24)
- 3930 S. KOREA KBS-Seoul; 1100-1300 KO and mx; g (Behr 12-27)
- 3945 JAPAN NSB-Tokyo; 0710 JP, clsc1 mx/jazz, ARO QRM (D.W. Johnson)
- *3945T NEW HEBRIDES NHBS; 0950 pieces of instr. island mx, nothing after 1000 (presumed s/off), ARO QRM. Other stations on this frequency can almost be eliminated at this time at my QTH, but needs more work. 26) Without the ARO's the signal would have been copiable (Routenburg 12/
- 3955 ENGLAND BBC; 0105 EG, pops, fair (Bragg)
- 3970 CHINA Huhehaote; 1335 EG lesson and CH anc; f (Behr 12-28)
- 3985 SWITZERLAND SRI-Beromunster; 0604-0740 GM, EG 0720 and lang from 0730 (Darko, Poppin, Bauernhuber, Jordan)
- 3985 ECUADOR Esc. Rfonias Pop.; 1040 SP, Andean mx (Moore 12-24) 0210 HJ mx, ID, notes, xint (Meyer-PERU)
- 3995 W. GERMANY DW; 0057-0356, GM, nx, Xmas mx, IS (Marker, Braga)
- 3995 ASIATIC SSR Nikolaevsk-na-Amure; 0716-0801 regional pgm (usually/pin) Mayak), RS tik on work control, rock mx, ID no pips/chimes 0800 (Pop-
- 3999T GREENLAND Gronlands R; 1045 in unid lang, mx pgm and talk, ham interference; f-g (Porter 12-8) ID?... TK
- 4000 CHINA unid 1335 w/ EG lesson and CH anc; weak--site? (Behr 12-28)
- 4030 ASIATIC SSR Anadyr; 0600 RS, IS, M ID/nx (D.W. Johnson) 1100 RS, nx and mx; weak but clear (Behr 12-27)
- *4050 KIRGHIZ SSR Frunze; *2302-2307, RS NA w/ large choir, 2304 melody which is always played before the news, the nx (!) by M&W, very poor, bothered by ute-4047 (McVicar 12-28)
- 4050 ASIATIC SSR Yuzhno-Sakalinsk; 1100 RS nx and mx on USB (Behr 12-27)
- 4055 USSR Kailin (?) ; 0520, RS, clsc1 mx in M3 pgm (Routenburg 12-22)
- 4395 ASIATIC SSR Yakutsk; 0755 RS, Mayak IS, TC (D.W. Johnson)
- 4467 BOLIVIA R Movima; 0011, SP talk on wheat transactions, ID (Meyer-PERU)
- 4520 ASIATIC SSR Palana Kamchatka Region; 0703-0716 (have been lucky on Sat/Sun at this hour), poss Koryak/Eveni lang ments Moskva (Poppin)
- 4635 TADZIK SSR Dushanbe; *2300, RS NA by choir, very poor (McVicar) 0139 RS, talk, brief silence, M&W talk (Bryan)
- 4680 ECUADOR R Nac. Espejo; 1012/0022+ SP, soap operas, ID (4 reporters)
- 4696 BOLIVIA R Riberalta; 2316 quick SP ID into snappy LA mx; fair and better than Espejo-4769 (Crawford) 0024 (Meyer-PERU) 0240 semi-clsc1 mx (Bryan) 0010 LA songs, ID (O'Donnell)
- 4719 CELEBES RRI-Ujung Pandang; 1308 IN, clear ID, talk // 4753 (Moman)
- 4725 BURMA BBS; 1056-1122 oriental style mx, w (Porter) *1030 IS, ID, lang, beautiful local mx (Orcutt) 1250 instr mx, ID 1300 (Dayen)
- 4738V BOLIVIA R Mamore; 2317 clear SP M ID, EZL orch mx; f in het (Crawford) 0027 SP messages, TC/ID (Meyer-PERU)
- 4750 CAMEROUN R Bertoua; 2140-2207 FR/EG nx, drum mx, s/off (Dunlop, Moore, Lineback, Cucura) 0500 IS, TC, ID, Yaounde relay nx (Klein)
- 4750 CHINA (Tibet?) 1130 w/ opera mx, CH talk. I thought this was Tibet, but I've also hrd that it's QSLed as something else (O'Donnell)
- 4753 CELEBES RRI-Ujung Pandang; 1230 IN mx // 4719 (Moore) 2134-2147 IN net pgm in its annual winter showing here (Krueger 12-27) 1530 (Dayen)
- *4754T MALDIVES RM; 0106-0113 f/out, prayer chant which I've never hrd in SAM. Too early for Ujung Pandang and not in SP or PT eliminating Brazil or the HJ. Thanks to call from J. Young (Poppin 12-23) Lucky, TK
- 4755 BRAZIL R Dif Maranhao; 0830 PT, comic, TC, ID, breaks (Klein) 0845 with breaks, ID (0759 s/on), EZL vocal mx (Cunningham, Prath)
- 4765 BRAZIL R Rural Santarem; *0800-0930 PT, "Ave Maria" type mx, ID 0806, accordian mx, TC's (Perdue, Cunningham, Klein, Greenwood)
- 4766V ECUADOR CRE; 0415-0535, Coke ads, ID, sportscast (Ottaway, Rankin, D.W. Johnson) 1111 ID, SP nx (Jones 11-28)
- 4770 LIBERIA ELWA; 0620-0740 EG, BBC nx 0700, local nx, rel pgm and choral mx (Poppin, Alexander, D.W. Johnson, Durnavich)
- 4770 PERU R Tarma; 0032 ID, SP ads for Inca Cola, f (Meyer-PERU)
- 4770 VENEZUELA R Bolivar; 0230-0309, SP ID, TC, LA pops (Gregory, Jones)
- 4774 JAVA RRI-Jakarta; IN 1133-1310, net nx, SCI, C&W mx, motif based on SCI 1206, possible request pgm (Poppin, Klein, Dayen)
- 4775 BRAZIL R Cult. de Sergipe; 0020, PT EZL mx, ad, ID (D.W. Johnson)
- 4775 COLOMBIA Em. Kennedy; *1054 (Klein) 0048-0330 ID, talk on "derechos humanos", ID. poor (Crawford, Field)
- 4777 GABON RTVG; 2210-2245 FR drama, mx (Durnavich, Lineback) 0510 (Klein) 2110 request pgm in FR, ID (Cucura)
- 4780V HONDURAS R Juticalpa; *1050-1136, s/on spiel, four minutes of commercials, ranchera mx (Jones, Greenwood, Klein)
- 4780 KARELO FINNISH SSR Petrovodsck; 0247-0603 RS, M2, light mx, // 5065 not hrd (Crawford, D.W. Johnson, Klein)

- 4802V ECUADOR R Pop Independiente; #1045-1100 NA, ID into talk or news/
0124-0826 LA folk mx, messages, IDs in SP (6 reporters)
- 4805 BRAZIL R Dif do Amazonas; 1005, ID, meaning of Xmas in PT (Klein)
- 4807 SAC TOME R Nacional; PT M w/ nx, bad ute, 0535 (Klein 12-28)
- 4810 ARMENIAN SSR R Yerevan; 0403-0435 RS, not // Baku (Jordan 12-20)
- 4810 ECUADOR (GALAPAGOS) LV de Galapagos; 0115-0405*, SP ID, EZL and
pop mx, news, ads, NA (7 reporters)
- 4815 COLOMBIA R Guatapurí; 0515-0630, ID, SP pops, nx (4 reporters)
- *4815 PERU R Samaren; 1015 SP pop vocals, M ID 1016, rapid talk into
more pops. Het from Guatapurí (Lattemann 12-27)
- 4815 UPPER VOLTA Rdf Voltaïque; 2125 FR, EZL mx, ID (McVicar)
- 4820 ANGOLA R Nacional; 2157, PT talk, full ID (Yajko 12-28)
- 4820 ECUADOR R Paz y Bien; 0940 SP M, HC mx, ID (Perdue) 0133 (Meyer-PERU)
- 4820 HONDURAS HRVC; 0255, EG from 0300 (6 reporters)
- 4825 ASIATIC SSR Yakutsk; 1349-1358 short talk in Yakutian, short xylo-
phone chime between nx bulletins, short slow guitar mx, off (Poppin)
- 4825 PERU LV de la Selva; 0136, SP ID, nx, poss 24 hrs soon (Meyer-PERU)
- 4825 TURKMEN SSR Ashkhabad; #0100 local IS thru ute (McVicar 12-29)
- 4825 USSR Starobelsk or Ashkhabad here, Mayak 2055-2150 (3 reporters)
- 4825 GUATEMALA R Mam; 0210-0250 SP, ID, marimbas (4 reporters)
- 4830T CHINA Liaoning; 1220 CH M anmts, some SSB QRM (Moore 12-23)
- 4832 COSTA RICA 0200-1200 local pops, ID's, address SP M (6 reporters)
- 4835 GUATEMALA R Tezulutlan; 0050/1100 marimbas, SP ID (6 reporters)
- 4840 CHINA Harbin; 0629* CH fair w/ s/off (D.W. Johnson 12-22)
- 4840 CHINA FPBS; CH 1200-1221, mx pgm, W ancr, instrs (Dunlop 12-21)
- 4840 PERU R Andahuayas; 0140 EZL mx, SP IDs, g (Meyer-PERU)
- 4840 VENEZUELA R Valera; 0840 s/on anmts, NA, ID (Field) 0347 rock
singers, bass violin, ID, chorus NA, 0357* (Poppin 12-23)
- *4843 CONGO RTVC-Pointe Noire; 0505-0550 FR, definite ID, Brazzaville nx,
local hilife mx pgm, zapped by Mauritania carrier 0550 (Krueger,
Klein)
- 4845 COLOMBIA R Bucaramanga; 0400-0501* SP pops, ID, NA (Cunningham,
Moore, Alexander, Clifford, Lineback) #1001 in ID, NA, full ID,
calls, freqs at the time was trying to ID poss Fides (Jones)
- 4845 MALAYSIA RM-Kuala Lumpur; 1409-1417 Indian sounding M, nx, sub-
cont mx, high voiced W talk, ID "Inilah RM..." (Poppin)
- 4845 MOLUCCAS RRI-Ambon; 1250 IN M, local style mx (Moore) 1020 (Klein)
- 4845 MAURITANIA R Nationale; 2100/0650 FR/AR, chants, nx, "Huna
Noukhot" AR ID, strings (8 reporters)
- 4845 BOLIVIA R Fides; 0142 SP nx, TC/ID's, US pops, xint (Meyer-PERU)
- 4850 CAMEROON R Yaounde; 2200-0540 EG/FR ID's, FR nx, hilife/pop mx,
TC, greetings (6 reporters)
- 4850 SURINAME R SRS; 0300 DT/EG DJ, US pops (6 reporters) #0858-1015
DT/HD M, nx, chants (Braga, Cunningham)
- 4851V ECUADOR R Luz y Vida; 1015 SP, 10 ads, VoA pgm (Durnavich) 0145
VoA SP excerpts, ID, cmtry on solar energy (Meyer-PERU)
- 4853 YEMEN ARAB REP. R Sana'a; 2017 in AR w/ AR stringed instr mx and
M vocal strong, //9780 (McVicar 12-25)
- 4855 BRAZIL R Clube do Para; 0550 PT, ID, soft mx/ballads (Eastman)
- 4855 MOZAMBIQUE RM; EG 2000 (Zimbabwe Front sponsored political diatribe
about Zambia, Rhodesia, S.Af, Afro vocals 2007. Seems a new svc,
unheard previously (Padula-AUSTRALIA 12-27)
- 4856 SUMATRA RRI-Palembang; 1502-1514 IN, nx, slow NA, ID (Poppin)
- 4860 EUROPEAN SSR Oblast; presumed site, RS, no IS/ID 0530 (Krueger)
- 4860 PERU R Chinchaycocha; 0115, ID, SP TC, mx, (Klein, Meyer-PERU)
- *4860 UNID subcontinental station flute IS, droning strings bkgnd, lang
talk. AIR listed. Hrd several days (Perdue)
- 4863 MOZAMBIQUE RM; 2003 w/ PT football (Padula-AUSTRALIA 12-27)
- 4865 COLOMBIA LV del Cinaruco; 0200/1005 SP, ID, HJ mx, (4 reporters)
- 4870 BENIN Lvd1R; 0515 FR, cmtry, ID (Klein) 2205 (Alexander)
- 4870 ECUADOR R Rio Amazonas; #1032 NA (Klein) #1114 NA, short primitive
mx (Jones) 0153 (Meyer-PERU)
- 4875 COLOMBIA R Super; 0100-0713 SP ID, TC, HJ pops, nx (5 reporters)
- 4875V BOLIVIA La Cruz del Sur; 0005 SP rel pgm w/ both HJ's off (Klein)
SP ID 2354 hetting HJ (Cartwright 12-13)
- 4875 WEST IRIAN 1140-1235 IN, local mx. Site is Sorong. (Moore,
O'Donnell, Klein)
- 4880 VENEZUELA R Universo; 1124 SP, ID, mx (Jordan) 0100-0400* SP,
nx, ID, pops, NA (3 reporters)
- 4883 CHINA R Peking; 1200 IS, lang ID/nx (Klein, Krueger) 1300 IS,
RS ID "Govorit Peh-kin" (Dayen)
- 4885 ASIATIC SSR Novosibirsk; RS, clsel mx, anmts //4885. Anyone know
4885 site (Moore) time 1210... 1979 TBS says also Novosibirsk... TK
- 4885 COLOMBIA Ondas del Meta; #1016 NA, SP ID (Klein) 0420 (Moore)

- 4885 KENYA VoK; 1951-2013*, pres Mombasa w/ vern langs, Indian-like mx, 2000 M armts or nx, choral mx 2004, closing armt and ID 2010, NA with only one verse and no instrs, off (McVicar 12-25)
- 4885 PERU R Hancavelica; 0458-0500, SP M ID, NA, off (Eastman) 0430 SP M ID, ads, local mx sounding HJ (Krueger) 0156 SP nx, (Meyer-PERU)
- 4890 ECUADOR R Centinela de Sur/Musical; 0030-0158, ID, LA pops and nx (D.W. Johnson, Meyer-PERU)
- 4890 HONDURAS R Lux; 0030 SP, TC/ID (Klein) 0142 bilingual Santa "Ho, Ho, Ho Feliz Navidad, Merry Xmas", ID (Crawford) 0254 dramatic M soliloquy, "Love Is a Many Splendor Thing", ID (Poppin)
- 4890 PAPUA NEW GUINEA NBC; 0820-1359, EG nx; pops, ads, ID, NA and off 1400 (7 reporters)
- 4890 SENEGAL R Nationale; 0610-0635 FR/lang, ID, nx, stringed mx, Kofan Readings (Durnavich, Alexander, Klein)
- 4895 BRAZIL R Bare; *0800, NA, guitar mx, ID (Perdue, Greenwood, Klein)
- 4895T TURKMEN SSR Ashkhabad; *0200-0205 M2 IS, six time pips. Nothing else heard; p-vp (McVicar)

A lot of misplaced items which we'll squeeze in... TK

- 3205 BRAZIL R Clube Riberao Preto; 0035 PT, ads, ID (Yajko)
- 3227 LIBERTIA ELWA; 2152 vernacular talk (Yajko)
- 3335T BRAZIL R Clube de Conquista; 0230 PT, ads, ballads (Yajko)
- 3375T ANGOLA R Nacional; 2218 PT, no ID hrd, p (Yajko)
- 3414 INDONESIA RRI-Medan; 1210-1230, IN talks by M&W, not nx. Can any of our West Coast members confirm? (Dayen)
- 4780 VENEZUELA LV de Carabobo; 0000/1030 SP, ID, pops (7 reporters)
- 4785 AZERBAIJAN SSR Baku; 2154 ME mx, ID by M (Lobdell) 0400-0500 RS, TC, HSI, Tass nx (Jordan, Crawford, Moore, Radcliff, Klein)
- 4785A MALI RM; 2340 FR, M anc, Afro pops // poor 5995 (Braga)
- 4785 TANZANIA 2144 tentative late for Xmas w/ slow Afro sound rel type, poor (Cunningham) or above... TK 0330-0407 Swahili M, ID, nx; local mx (McGil, Rankin) 2045 w/ ID, Afro mx (Yajko)
- 4790 PERU R Atlantida; 0115 SP (Meyer-PERU) 0905-1005 Peruvian mx, ID/TC, SP M (Klein, Jordan, Perdue)
- 4790 SWAZILAND TWR; 0256 IS, EG/vern rel pgm (Dayen, Crawford, Lineback)
- 4794 SURINAME R Apintie; *0826 s/on, Hindi M, subcontinental mx, DT ID, drums and flutes, EG/SP mx and rel pgm till 1010 fade (Lineback, Lobdell, Jones, Jordan, D.W. Johnson, McVicar) just got a great wall calendar from these guys... TK.
- 4795 BOLIVIA R Nueva America; 0118 SP, messages, ads, ID (Meyer-PERU)
- 4795 BRAZIL R Tabajara; 0825 PT M, usual accordian mx pgm, talk, ID (Perdue)
- 4795 ECUADOR LV de los Caras; 0000-0400 SP pops and local mx, ID's, Beatles, ads (7 reporters)

I told you it was a lot, hi!

4N-73,

Terry

A VERY NICE THOUGHT:

I would like to thank NASWA member Brian Cartwright of Johnstown, PA for the success of the World Radio Pen Pal Club which he began in 1969. After writing for some time, Robert Taylor of Northampton, England and I were able to make exchange visits with each other's families. Many friends were made on both sides of the Atlantic creating a link of friendship between Britain and America. So under the club motto of "Unity and Friendship", thanks again, Brian.
from Robert Pietraszek, 63 Millers Falls Road, Turners Falls, MA 01376

log report section

4900-6199



STEVEN WISEBLOOD

- 4900a ECUADOR LV de Saquisilí: 1058 ID, Ecuadorian mx, TC, choral version of NA @ 1100. Juventud not there. Very Good this am (Jones-MS 12/26).
- 4900 VENEZUELA R. Juventud: 0310-0340 ID, SP anmts, Soul, Big-Band & Jazz mx (Alexander).
- 4904.5 CHAD RMT: 2010-2131 M ancr w/tlk in FR, nx, FR pop mx, ID @ 2129 (Cucura, Braga).
- 4905 CHINA RP-1: 2231-2300* tlk by W in CH, time pips, then off. Good (McClellan-MI 1/1, Lineback 1/1). 1635 W ancr in CH w/oriental operatic type mx. Good (DW Johnson 12/26).
- 4905 BRAZIL R. Relógio: 0200 M&W in PT w/nx, time pips every minute (Gregory 12/26).
- 4910 GUINEA R. Nat: 0520 lcl Afro mx w/chanting, long tlk by M in FR. Fair (Klein-CA 12/28).
- 4915 GHANA GBC-1 Accra: 0600-0620 EG nx & cmntry until 0615, then Vernaculars pgm (5 rpters)
- 4917.5 MOZAMBIQUE RM: 0315-0325 Tlk by M in PT, lcl pop mx. Poor (Lineback 1/1).
- 4920 UKRAINIAN SSR Starobelsk: 2250-2310 Clscl mx, time pips, RS nx @ 2300 (Dayen 12/10).
- 4920 AUSTRALIA ABC: 1245-1356 Clscl mx, EG international NA, sports, ID (Moman, Cucura).
- 4925 CHINA Haerbin (heilongjiang Prov.): 1323-1340 EG lesson by M&W "Goodbye Comrades", long CH tlk by M, //5950. Good (Mosier 12/22, Poppin-CA 12/21).
- 4925 BRAZIL R. Difusora Taubate: 2257-2310 "A Voz do Brasil" pgm in PT, fqys., ID (Dayen).
- 4925 EQUATORIAL GUINEA LV del Rio Muni: 2110-2201* Afro high-life mx, W ancr in SP, many ID's, detailed sked of next days pgms @ S/off, NA is 3 minutes long (6 reporters!). *0430-0579 uninterrupted lcl Afro mx, SP anmts. Good (Klein-FL 12/28, Poppin-CA 12/28)
- 4930 TURKEMEN SSR Ashkhabad: 2200 test tones, Mayak IS, into RS nx, low warbly het, possibly two xmtrs carrying the same pgm. Poor-Fair //4895 (Crawford 12/19). 0110-0159 likely the one here w/Mayak IS @ 0130, W ancr w/ID & RS nx. Fair (Klein-FL, Alexander 12/29). 1330 "Mayak" IS, "Moscva" nx by M&W in RS (Dayen 12/13).
- 4930 GEORGIAN SSR Tbilisi: 0410-0435 "Mayak" IS @ 0429, nx by W in RS (D Moore, Rankin-KS)
- 4934 KENYA VOK: 2139-2204 Disco mx, EG nx, full ID & QTH, TC, best in 14 months! (Valko).
- 4935 PERU R. Tropical: S/on around 0950-1005 w/high-Andes music, M ancr in SP (Klein-FL).
- 4940 UKRAINIAN SSR Kiev: 0400-0515 10-note chime, W ancr in UK w/ID "Favoritis Kiev", tlk in UK, pgm-II according to WRTH-79. Very Good w/Ukrainian folk mx (Greenwood, Klein).
- 4940 IVORY COAST Rdf Ivoirienne: 2213-2233 possible radio play w/conversation by M&W in FR, UNID QRM co-channel (Dunlop 12/30). 0600-0615 chines, NA, FR nx & pop mx (Valko 1/2).
- 4943.8 VIETNAM VOV-I Hanoi: Noted here w/VT tlk by a M&W after 1430, Good! (wiseblood-CA 1/20)
- 4945 COLOMBIA R. Colosal: 0545-0820 many ID's, L&M mx, SP ads, Excellent! (5 reporters).
- 4950 SARAWAK RM-Kuching: 1215-1430 EG nx, clsel mx, old C&W mx, ID, //better 7160, ID as "Inilah R. Malaysia-Kuching", piano mx (Poppin-CA 12/30, Orcutt 12/12, Thompson, Klein).
- 4955 BRAZIL UNID: 0030 tlk by M in PT, Very Poor (Field 12/11).
- 4960 CHINA R. Peking: 1210 CH operatic type mx, W ancr w/tlk in listed JP. Fair (Klein-FL)
- 4960 ECUADOR R. Federaciones: 0200* ID, fqys., NA. Good (Whitehead & Jones-MS). 0256-0300* 1045 M ancr w/long tlk in Quecha, ID's & TC's, High-Andes mx. Fair (Klein-FL). Mellow L&M instrumental type mx, SP anmts by M w/deep echo effect, S/off armts & ID (Cunningham)
- 4970 VENEZUELA R. Rumbos: 0030-0415 "Noti-Rumbos" nx, L&M mx, PSA's, ID (Kruszka, Durnavich).
- 4972 FRENCH GUYANA FR3: 0935-0940 ID & M in FR w/tlk, pop mx (Lobdell-MA, DW Johnson).
- 4975 ASIATIC RSPSR Blagoveshchensk: 0652-0701 W vocalist, tlk by W in RS, TC, nx (Poppin).
- 4975 CHINA Fujien HS: 1329 EG lessons, violin mx, bad het. Fair (Mosier 12/28).
- 4980 ECUADOR Ondas Azuayas: 0400 Audible after Venezuela's S/off w/Ballads, TC's (Alexander)
- 4980 GHANA GBC-Ejura2: 2200 full ID, EG nx, cmntry about Xmas (McClellan-MI 12/23).
- 4980 VENEZUELA Ecos del Torbes: 0000-0359* SP anmts, US & L&M pop mx, ID, fqys (6 reporters)
- 4985 BRAZIL R. Brasil Central: 0635 M ancr in PT, lite vocal mx, ID. Fair (DW Johnson 12/22)
- 4985 MALAYSIA RM Penang: 1608 EG MoR type vocal mx, M ancr in EG w/TC, religious PSA, closing anmts w/full ID band mx NA which reminds me of "Aloa Oe" anthem 1629* (Poppin).
- 4990 NIGERIA NBC-Lagos: 1940 interesting mid-summer DX at a good level w/EG cmntry & Afro mx (Padula-AUSTRALIA). 2203-2301 EG pgms, fading out by 2300 (Potter 12/22). .(12/31/UNID 0415-0521 maybe R. Cristal here w/U.S. pops/disco mx, no anmts heard (R McVicar/
- 5000 ITALY IEF: 0650 "IBF-X3" repeated in CW, Gud w/MVH-WVW (Klein 12/22)
- 5005 EQUATORIAL GUINEA LV del Rio Muni: *0430-0530 NA, Afro mx, few SP anmts (Klein, Clifford)
- 5010 SINGAPORE RS: 1523-1533 lite MoR melodies, W in EG w/TC & anmts, EG nx (Poppin-CA).
- 5010 MADAGASCAR Tananarive: 1648 EG pgm sponsored by the Zimbabwe Peoples Revolutionary Voice & Freedom Organization w/tlks about Zimbabwe-Rhodesia. BEC-MS says dual to 6135 but unheard there due to the clutter of international broadcast stations (Padula-AUS).
- 5010 CAMEROON R. Garoua: 2125-2201* Nonstop mx to 2152, then anmts in FR, NA (Potter, Moore). *0500-0530 FR nx, EG nx, ID's, IS repeated 3-times, choral NA (Witte-CA, McClellan, Klein)
- 5010rf COLOMBIA R. SurColombiana: 0130-1037 SP sports pgm, L&M mx, enthusiastic ID's, W ancr between songs, "Caracol" network plug, ads (Klein, Jordan, Field, D Moore, Jones-MS).
- 5010 PERU R. Eco: 0432-0437 ID followed by uptempo L&M mx w/M singing (Eastman 12/24).
- 5015 ASIATIC RSPSR Vladivostock: 0653-1300 M&W w/tlk in RS, Clscl mx (Mosier, George-TX, Moore)

- 5015 BRAZIL R. Cultural: 0635-0700 Brazilian pop mx, ID's, wiped out by Vladivostock's fade in @ 0700 (Sheedy-CA 12/25).
- 5020 SOLOMON ISLANDS SIBC: 0945-1240 Xmas carols, EZ listening pop mx, C&M mx mixed with island mx, ID's, World nx via R. Australia @ 1000, lcl pidgin arnmts, TC's (5 reporters)
- 5020 NIGER Niamey-ORTN: 0525-0620 Wailing M w/Islamic chants, tlk by M in Vernaculars, Afro drum mx, ID, into Disco mx pgm @ 0620, ID's, TC's. Good (Klein, Jordan, McLellan).
- 5025 BRAZIL R. Borborema: 0045-0101 tlk by M in PT, lite vocal mx, ID. F-P w/QRM (DW Johnson).
- 5025 PERU R. Quillabamba: 0532-M anc in SP, ads, lcl Peruvian vocals. Fair (DW Johnson 12/5)
- 5025 ECUADOR R. Splendit: 0530-0625 EG & Lam pop mx, jingles, echoed arnmts, ads, "Pink Panther" theme, many ID's (Cunningham, Jordan, Klein, Eastman). 0950 Ecuadorian mx, ID after most every song! (Prath-FL 12/23).
- 5028 SAUDI ARABIA BSKSA: 2036-2200+ dull pgm of AR mx w/applause between songs, every half an hour or so, a M would mumble something in AR. It faded out before an ID was heard. Fair w/some QRN (R McVicar 12/27). See Feb. 1979 LR-B for previous logging of this stn!
- 5030 SARAWAK RMS Kuching: 1341-1457* MoR type vocals, W in Bidayah, ID, closing arnmts, band mx NA sounding a bit like the Hawaiian anthem "Aloa Oe". Good (Poppin, Mosier)
- 5030 VENEZUELA R. Continente: 0313-0456*SP "Noti-Rumbos" nx w/chimes between items, ads, Lam mx, closing arnmts, fqys., ID's & NA (Kruszka, Braga, Moman, Cunningham).
- 5035 BRAZIL R. Aparecida: 0030-0115 M anc in PT, many ID's, Bras. pop mx, fqys., MoR type Brazilian vocals, sambas, bossanova mx. Fair-Good (DW Johnson, Lettemann-WA, Perdue)
- 5035***PERU R. Aguiri: 0140-0229 lcl mx, tlk by M in SP, fqys & ID (Marker, Field). *1007 likely the one here with NA, Peruvian High-Andes yip-yip type mx (Klein-FL on landline).
- 5038 CENTRAL AFRICAN REPUBLIC LVdCAR: 0600 ID, weird Afro mx (O'Donnell). weird? -Scw
- 5039 SUDAN R. Omdurman: 0437 battling it out w/R. Cinco on 5040, mostly chanting (O'Donnell)
- 5040 CHINA Fuzhou-Fujian: 0823 Light Classical mx, orchestral mx, M&W in CH w/ID (DW Johnson)
- 5040 VENEZUELA R. Maturin VYQH: *1015-1030 S/on w/NA & opening arnmts. Fair (Durnavich).
- 5040 COLOMBIA R. Cinco: 0232 Tlk by M in SP (Marker 12/6).
- 5040***PERU R. Libertad: 0505-0700 Peruvian mx, "Happy Birthday" sung in EG, ID, SP tlk, Maturin & Cinco not on this nite (Perdue 12/16, Field 12/16).
- 5040rf GUINEA-BISSAU Rdf Nacional: *0600-0700 Drum IS, W anc in PT w/ID, Highlife Afro mx, Fair-Good most nights (Klein-FL 12/30, Krueger-FL).
- 5040 GEORGIAN SSR Tbilis: 0159-0532 M1 pgm w/lite classical mx, "Govorit Moscva" ID, RS nx, ID's by M&W @ 0159, not //4930 (Klein-FL, Krueger, Crawford, R McVicar 12/26).
- 5045 BRAZIL R. Cult do Para-Belem: 0103 ID, M anc in PT, EZ listening vocal mx, echo effect arnmts, Fair (DW Johnson). 0905-0948 radio play w/M&W in PT (Jones-MS, Jordan).
- 5047 TOGO RU: 2220 lcl tribal mx, Poor modulation (Durnavich-IL). *0530-0640 M leading a group of other Men in what sounded like a patriotic pep rally!, M anc in FR w/QTH & opening information @ S/on, Interview between two M in FR (6 reporters).
- 5050***TANZANIA Lar-es-Salaam: 1945 Islamic chants, prayers, ID in Swahili, SH nx (Padula-AUS).
- 5050 VENEZUELA R. Mundial: 0610-0840 upbeat Lam mx, marimba mx, MoR vocal mx, M in SP w/arnmts, ID as "R. Cadena Mundial", echo ID's, Poor w/QRM & QRM (Jordan, Cunningham, Field).
- 5051a COLOMBIA LV de Yopal: 1022 mx until 1035, loud ID, slogans "La Voz de Yopal", Venez. not on at this time, Good (Jones-MS 1/3). Good Catch! -Scw
- 5055 COSTA RICA TIRC: 0320-0401* EG Religious pgms, full ID, S/off arnmts, NA, fqys (5 rptres).
- 5057 ALBANIA R. Gjirokastra: 0410-0520 Gypsy folk-dance mx, exercise pgm. W anc in AB between songs, nx in AB. Poor-Good-Vy.Good (R McVicar, O'Donnell, Alexander, Braga, Ottaway).
- 5060.3 ECUADOR Sistema de Emis Prog: 0657-0810 Andean mx, M anc in SP, ID (D Moore, Witte-CA).
- 5065 KARELIAN SSR Petrozavodsk: 0345-0701 Clscl mx, nx by M in RS, cmtry (Krueger, Moore, /
- 5095 COLOMBIA R. Sutatenza: 0100-0347 Lam mx, SP arnmts, ID's, UTE QRM(4 rptres)..(Lineback/
- 5125***PERU R. Agricultura: 0239 SP arnmts, lcl musical pgm, QRM from phones (Marker 12/6).
- 5140 UNID M w/tlk in Indo sounding lang @ 1343, CH oriental sounding mx (Mosier 12/28).
- 5215 ECUADOR R. Splendit: 0930 noted off usual 5215 freq w/xmtr problems, Xmas greeting by M in SP & "Silent Night", off abruptly @ 1031 following ID (Lobdell-MA 12/25).
- 5240 CHINA Fujien Front BS: 1135-1347 W in CH w/discussion, //stronger 5265(Mosier, Prath).
- 5260 KAZAK SSR Alma Ata: 0144 Russian folk mx, M&W in RS w/arnmts (Bryan 12/20).
- 5265 CHINA FFBS1: 1115-1349 cmtry by M in CH, loud CH singing!, //5240 (Mosier, Prath-FL).
- 5290 ASIATIC RFSR Krasnoyarsk (Siberia): *2258-0015 test tones, pgm #1 IS, clock chimes @ 2300, several verses of the Russian anthem, ID's by M&W for Moscow pgm, organ notes always played before a newscast on the first network, Clscl mx followed nx @ 2311, exercise or ballet pgm w/piano marches & W in RS giving instructions. 2330-2340 tlk by W in RS & some Clscl mx, local ID by W @ 2340 following a pgm break. Very Poor at first, then faded up to a fair level, but almost inaudible by 0000 (R McVicar 1/2).
- 5300***PERU R. Esmeraldas-Huanta: *0955 Opening armt by M in SP, huayno mx, ID & TC by M in SP, but arnmts seemed Quecha, audible level until 1035 fade-out (Lobdell-MA 12/16).
- 5550a**UNID On tip from Hauser, pretty sure I heard "La Voz de something, Children singing hymns or religious songs. Perhaps an educational or religious stn. Good (Jones-MS 11/17).
- 5880 CHINA RP1: 1130 CH play/drama w/enthusiastic sounding voices & CH mx (Prath-FL 12/16).
- 5881.5 ARGENTINA R. Rivadavia: 0150-0229 excited tlk by M on sports event, SP arnmts by a M&W, Disco mx, ID's. Good clear reception (Cunningham, Marker, Moman). Also noted here -Scw
- 5900 CHINA FFBS1: 1350 //5240, 5265, but QRM from cochannel carrier. Poor-Fair (Mosier).
- 5930 CZECHOSLOVAKIA R. Prague: 0130 M&W anc in EG w/Xmas food tips. V0-Exc (Klein-FL). 0228 tlk by M in SP, ID (Marker 12/27).

- 5930 GEORGIAN SSR Tbilisi: 1859 IS, tkl by M&W. Very Poor u/Prague on 12/25. According to "A Guide of Soviet Broadcasting", this is suppose to be here every Tue., Fri., & Sun., Dec. 25 was a Tues., but not heard the following Friday. Maybe just Conditions (McVicar).
- 5930 EUROPEAN RFSFR Murransk: 0500-0516 time pips, IS, ID, RS tkl, operatic mx. Poor, but there almost every night lately. Hollow sound w/echo (Jordan 12/20, McVicar 12/26).
- 5935 LATVIAN SSR R. Riga: 2150-2200* tkl in Swedish, ID, S/off @ 2200, ID in Latvian (Buer). 0725-0840 Orchestral mx, RS vocals, folk mx, nx & interviews, ID in RS, IS (Jordan).
- 5940 ASIATIC RSPFR Magadan HS: 2102 nx by W in RS, Fair (DW Johnson 12/28). 0700-0800 tkl by M&W in RS, Clscl mx, Mayak IS. Poor-Fair (Jordan, Mosier).
- 5945 AUSTRIA ORF: 2310-2320 Waltz mx, "Shortwave Panorama", ID, tkl by W in GM after 2320, March mx, Fair w/het & UTE WRM (DW Johnson 12/16, Reynolds 12/9). *0130-0157* EG nx, cmtry, "Report from Austria", Austrian folk mx, //9770 poor (Braga, Fraser, Alexander).
- 5950 GUYANA GBS-Action Radio: 0645-1014 EG religious service, wx, ID, nx, tkl by W about the human mind, Hindi vocal mx. Pgm for Senior Citizens, cider ads, TC (5 reporters).
- 5950 NICARAGUA LV de Nic: 0058-0322 Disco mx, ID's by W in SP, patriotic slogans by M, usual S/off around 0432* (.11 reporters). 1103-1118 Opening anmts by M&W in SP, ID, childrens chorus, Lam pop mx. Vy. Good (Perdue 12/8, Jones-MS 11/28).
- 5955a COLOMBIA LV de Centauros: 0445-0453 ballads, ID w/fys, NA (Cunningham). 0652 Beer ads, lcl MoR vocals (D Moore 12/25). 0900-0940 I heard a positive ID for "LV del San Pablo" with ads for "Sierra" beer, mentioned power of 5kw. Overmod (Durnavich 1/1).
- 5955 NETHERLANDS Lopik: 0710-0720 M&W in EG w/ tkl on color prejudice in Brasil, interviews, Excellent (Jordan 12/9). *0930 audible via Longpath until 1000, these longpath Europeans seemed to remain later this DX season. Surprisingly, the highpower BEC outlet on 5975, which was the last signal to fade out in earlier years disappeared well before 1000 this night. Solstice period now past, Winters well on the way! (Padula-AUSTRALIA).
- 5960 CANADA RCI: 0100-0130 EG nx, cmtry, wx, sports, DX Digest (Reynolds, Davenport). 0215 DX Digest pgm announced that there was no DX news this day! (Diekman 12/17) Strange!
- 5960 MONGOLIA RUB: *1130-1200 IS, ID, W in Mongolian w/nx, stringed instr. mx (Jordan 12/26)
- 5960 MALTA JBS: 1958 end of AR propaganda pgm, ID's, NA, off at 2000* (Crawford/Krueger)
- 5965 BRAZIL R. Guaiaba: 0007 tkl by M in PT, EZ listening-MoR Vocals. Fair-Good (DW Johnson).
- 5965 MALAYSIA RM-Kuala Lumpur: 1425-1430 tkl in Malay, instrumental mx, nx @ 1430 (Poppin-CA)
- 5970 PERU R. El Sol: 0522 tkl by M in SP, ID, freq. (Moman 12/16). 1041 Peruvian mx (Jones-MS)
- 5970 ASIATIC RSPFR Khabarovsk: Q740 Radiostansia Tikhly Okean, W ancr in RS, vocal mx (DW J'sc)
- 5975 GREAT BRITAIN BEC: 2210-0230 Big Ben chimes, EG discussion on Rhodesia (Klein, Moore, /)
- 5980 PHILIPPINES FEBC: 0930 M&W tklng in lang, several ID's heard (Greenwood). Davenport)
- 5980 TAIWAN VOPC: 1014-1030 tkl by M&W in CH. F-G (DW Johnson 12/29). 1130-1200 Pro-west EG political tkl, MoR mx, ID's. Good (Orcutt 12/11).
- 5980 SIERRA LEONE SIBS: 0558-0601 Sierra Leone's IS blasted out by Libya's NA @ 0600 (Valko).
- 5980 LIBYA SPLAJC: 0620 Fair w/usual endless chants (Radcliffe, Bauernhuber 12/9).
- 5980 USA KOEI: 1320-1335 Two M w/EG-CH lang lesson, tkl by W in CH (Earhart-PA 12/16).
- 5985 WEST GERMANY RL/RPE: 2235-2250 tkl by M&W in HG, nx & cmtry (Rankin-KS 12/25). 0655-0700 tkl by M in RS, vocal mx, ID as "R. Liberty". Vy. Good (Jordan 12/27).
- 5987** GREENLAND Grnland R.: *1000 IS, NA, tkl by W in lcl lang, into religious pgm with "The Old Rugged Cross" hymn, //9575 audible until 1145 t/out (Lobdell-MA, O'Donnell).
- 5990 ROMANIA R. Bucharest: 2334-2357* tkl by M&W in RM, Semi-Clscd mx, ID, Fair (DW Johnson) 0130-0230 "Sunday Studio" pgm, DX pgm., "Listeners Letterbox", EG nx & cmtry (6 reports)
- 5992.5 COLOMBIA R. Nacional: 1000 3ongs, ID, SP discussion pgm. Fair (Greenwood-PA 12/15).
- 5995 MALI Rdf du Mali-Bamak: 2300 FR tkl & Afro mx. Fair (Ottaway 12/22). 0702-0755 FR nx, Afro tribal mx, QRM from DW's S/on @ 0752 (Witte-CA, Alexander, DW Johnson, Migil 12/17).
- 6000 BRAZIL R. Inconfidencia: 0132-0200 PT nx, interviews, ads, ID (Yajko, Moman).
- 6000 AUSTRIA ORF-Aldrans: 0700 M in GM w/World & lcl nx, ID w/QTH. F-G (Klein-FL 12/9).
- 6005** TANZANIA Zanzibar: 1745 Swahili tkl & Afro mx, ID @ 1800 & lcl nx in SH (Hart-W.AUS).
- 6005 CANADA CFCX-Montreal: 1355-1814 Pop mx, EG tkl, At 1815 M interrupted midsong with "This is CFCX Shortwave, Montreal Canada on the 49 metre band" (Bauernhuber, R McVicar).
- 6005 WEST GERMANY Rias (West Berlin): 0700-0750 GM nx, ID, Clscl mx, piano mx, TC, severe slop from R. Relej, other Germans noted on 6030, 6085, 6190 & 7265 (5 reporters).
- 6005 BOLIVIA R. Progreso: 0840-1000 ID & TC @ 1000, "Programa El Centro Campesino Tupacatar tkl in SP & Indian lang, Bolivian mx w/lots of drums. Some QRM (Jones-MS 12/20, Witte-CA)
- 6010 VENEZUELA R. Los Andes-1040: Lam mx, ads, SP tkl, TC (Klein, D Moore, Greenwood, Jones-MS)
- 6015 VATICAN STATE VR: *0100-0115* The true meaning of Xmas, EG (Weinhold, Fraser-MA, Earhart-IL)
- 6015 BYELORUSSIAN SSR Orsha-HS: 0158-0215 Mayak IS, 6-time pips, nx by M in RS (Durnavich-P).
- 6020 MADAGASCAR FN: 1903 interview in EG (D Moore 12/29).
- 6020a PERU R. Victoria: 1030-1039 ID, Peruvian mx, ads, SP tkl (Greenwood-PA, Jones-MS 1/3).
- 6020 UKRAINE SSR Kiev-HS: 0715 10-note chime IS, M ancr in UK w/ID & QTH. Vy.Gud (Klein-FL).
- 6025 UZBEK SSR R. Tashkent: 1200-1215 EG nx, cmtry on Afghanistan, pgm on Agriculture in the Uzbek, ID's by W (Porter 12/10, Kunz 1/2, D Moore 12/31). 1400-1430 EG (J Williams).
- 6025 PORTUGAL RP: 2040 EG nx, fqy sked, feature pgms. Good w/some QRM (Braga 12/19). 0300 EG nx, heavy QRM from Afrts on 6030. Fair (Moman 12/14).
- 6025** COSTA RICA San Jose: *1025 heard QTH, lite mx, no annts heard. P-F (Greenwood 12/19).
- 6028.9* ANTARCTICA R. Nacional Arcangel-San Gabriel-LRA36: 0000-0031 M&W w/ tkl in SP, ID @ 0007, choral mx w/solo by W. Very Poor (Rankin-KS 12/16).

- 6030 UKRAINIAN SSR Simferopol: 2340-2359 Mayak IS, W ancr in RS, lite RS pop mx, 4-time pipe and into RS mx read by a W. No way for Antarctica with this here! (Walko, Durnavich).
- 6030 WEST GERMANY Sueddeutscher Rundfunk: 2252 Pop mx pgm, 2300 gong, ID by M, into GM nx, Good w/QRM (R McVicar). 0700-0900 GM nx, sports, ads, interview pgm, mx (7 reporters).
- 6035 BRAZIL R. Globo: 2352-0053 lite Lam-type pop mx, tdk by M in PT, ads, ID @ 0000, tdk with listenr over the phone. F-G w/het (DW Johnson 12/15, Cunningham 12/18).
- 6035 AUSTRALIA RA: 2208-2215+ EG nx to Asia, ID @ 2210. Poor w/cochannel QRM (Buer) LP!
- 6040 EAST GERMANY RBL: 0030 SP cmtry by M&W, Good (Greenwood-PA 12/4).
- 6045 SENEGAL RS-Dakar: 0610-0635 Koran recitations, chanting by M, stringed mx (Durnavich).
- 6055 CZECHOSLOVAKIA R. Prague: 0030 EG cmtry attacking NATO, Clsel mx. Fair (Greenwood-PA) 0640-0820 ID, EG to Europe, into Czech, then GM, lite pop tunes //9505 (Jordan, Greenwood).
- 6055 RWANDA Rdf du Rwanda: 2030-2100* Afro highlife mx, FR pop-disco mx, ID by M in FR, Fqys, S/off anmts & NA (Crawford- 12/16, D Moore 12/30, Dayen 12/7).
- 6055 JAPAN NSB-Tokyo: 1258 ID in JP, time pipe, "Tokyo Forum" in EG, JP tdk (Moman 12/20).
- 6060 ARGENTINA RN: *0900 NA, time pipe, ID by W, opening anmts, Clsel mx. (Routenburg-ONT)
- 6060 AUSTRALIA RA: 1500-1530 ID, EG nx, sports, Pacific-S.E. Asian Svce (J Williams 12/29)
- 6065 SPAIN SFR-REE: 0540-0615 EG world nx, SP xmas mx, ID, world affairs (Danko, Alexander).
- 6070 CANADA CFPX-Toronto: 1135 lcl nx, M ancr in EG (Klein 12/14) 1818-1840 ID, "The Way I See It" pgm, many ads (Miller Sr). 0100 EG nx (Moman). 0728 lite mx, ID, tdk (Mosier).
- 6080 AUSTRALIA RA: 1245 EG interview pgm, long after lcl SRS. Good! (Klein 12/24).
- 6080 CANADA CKFX-Vancouver: 0052 EG wx & rush-hour tlc info. Good (Moman 12/15). 0758-0920 C&W pop mx, "Super Country" ID's, ads, M ancr in EG, "Cash-Call jackpot" (6 reporters). 1218-1256 bad het, C&W mx, u/Australia after 1226. Poor-Fair (Danko 1/1).
- 6081.8 COSTA RICA R. Nueva Victoria: 2352-0106 anmts by M in SP, discussion, ID (5 reporters).
- 6085 ESTONIAN SSR R. Tallinn: 1911-2203* Clsel mx, anmts by a M&W in Estonian, ID @ 2000 as "Siin Tallinn Radio", World nx, Chime IS 11-notes @ 2103-2105, trumpet IS repeated three times, tdk in Estonian by W until 3/off. u/R. Ned. SP svce (Crawford, R McVicar).
- 6085 WEST GERMANY Bayerischer Rundfunk: 0705-0810 ID, ads, GM anmts, GM Classical & pop mx, wx, TC, W ancr in GM between signs. Good w/slop from Luxembourg (6 reporters).
- 6090 LUXEMBOURG RL: 2220-2231 EG Religious pgms (R McVicar 12/30). 0056-0133 "Gold Rock" mx, M ancr in EG, TC, EG nx, wx, ads, requests for mail (Moman, Weinhold, Conover, Davenport).
- 6090 EUROPEAN RFSFR Orenburg: 1959 RWSM "Spotlight on Sports", IS, ID, EG nx (Routenburg-ON).
- 609+ ECUADOR HCJB: 0620 "Passport" pgm 1 EG (Swanson 12/22).
- 6095 COLOMBIA LV del Centro: SP ads for "Banco de Colombia", nx items. Fair (Crawford 12/14)
- 6095 BRAZIL Rdf Sao Paulo: 0139, lite vocal mx, M ancr in PT, ID's. Fair (DW Johnson 12/28)
- 6095 POLAND Polish R.: *0158-0229 "This Week in Poland", //11815 (Durnavich 12/17).
- 6095 MOROCCO? RTVM: 0010 AR chanting w/guitar & flute accompaniment (Radcliffe 1/2).
- 6100*** YUGOSLAVIA RY: 2056-2101, end GM pgm, ID by W w/fqy, into Greek pgm, IS, "Yugoslavia" opening choral theme song, tdk by M in Greek. F-G (R McVicar 12/22).
- 6104 COSTA RICA R. Universidad: 1430-1435 Lam pop mx, M ancr in SP, ID u/XEQM (Krueger-FL)
- 6105 BRAZIL Ceara R. Cl.: 0830 upbeat Lam mx, MoR mx, fluttery sigs, M ancr in PT (Klein-FL).
- 6105 MEXICO Tus Panteras: 0630 Countdown of the decades best hits. VG (Klein). 1125 (D Moore)
- 6115nf SOUTH AFRICA SABC: 2103 EG mx & wx, never noted here before (D Moore 12/30).
- 6115*** MOZAMBIQUE RM: 1700 good w/M in PT w/tlk, lcl nx items (Hart-Western Australia).
- 6120nf NICARAGUA R. Zinica: *1130-1430 musica folklorica nacional, opens w/"Sandinista" NA, Musica ranchera, W w/EG ID, M ancr in SP, SP nx. XInt (Krueger, Lobdell, Jones-MS, D Moore).
- 6120 ARGENTINA R. El Mundo: 0820 Lam pop mx, M ancr in SP, ID's, TC's, ads (Klein-FL 12/8).
- 6135*** MADAGASCAR Tananarive: 1545 M ancr in FR w/tlk or discussion. Fair (Hart-W. AUSTRALIA)
- 6135 POLAND Polish R.: 0220 EG tdk about Xmas, Xmas mx. QRM (Prath-FL 12/25).
- 6135 SWITZERLAND SRI: 0145-0147 EG nx, "jazz panorama" (Reynolds 12/23).
- 6135 BRAZIL R. Gaucha-Porto Allegre: 0900 M ancr w/ID, PT ads, Rooster crows. F (DW Johnson).
- 6140 AUSTRALIA ABC Perth: 1050-1200 EG nx, pop mx. Good! (Klein-FL 12/14, Zilmer 12/20).
- 6140*** BURUNDI Bujumbura: 1710 Afro mx & drums, FR anmt @ 1800 (Hart-Western Australia).
- 6150 AUSTRALIA ABC-Lyndhurst: 1200-1250 EG nx, jazz mx, pop mx (Zilmer 12/20, D Moore 12/31).
- 6155 CYPRUS CBC: *2211-2220 guitar IS, ID by M, nx by M in Greek. Strong (R McVicar, Rankin).
- 6155 JAPAN FEN-Tokyo: 1100-1300 ID, TC, EG nx, "Gene Price" show (Clifford, Klein-FL 12/14)
- 6155 BRAZIL R. Cult da Bahia: 2305 M ancr, lcl vocal pop mx, ID. F-G w/QRM (DW Johnson 12/27)
- 6160*** CANADA CKZU-Vancouver: Shocked to hear this stn here @ 0000 w/CBC EG nx rpt, lots of noise & slop from other sigs (Hart-W. AUS). 0100 EG CBC nx. Good (Moman 12/15).
- 6160 GREAT BRITAIN YOA-Wooferton: 0755 M ancr w/nx summary in AR. VG (Klein-FL 12/6).
- 6166 VIETNAM Saigon (Hochiminh City): 1500 VT tdk & lcl mx, //9623. Good (Behr 12/28).
- 6185 LIBYA SPLA-JBC: 2355 Saut-al-watan-al-Arabi pgm, M ancr in AR, ID, o/Brazil (Crawford-FL).
- 6185 BRAZIL R. Bandeirantes: 2322 ads, ID, mention of Brasilia. Fair (Moman 12/15).
- 6190 GERMANY (W.) SFB/Bremen: 0740-0810+ tdk by M in GM, "biernal" mx, GM nx (8 reporters).
- 6190 VENEZUELA R. Ecoe del Torbes: 1103 now using the slogan "R. Juvenil", SP anmts (Klein-FL).
- 6195 GREAT BRITAIN BBC: 2050-2115 Xmas carols, ID&TC, GM nx, then into EG (Rankin-KS 12/25),
- 6195f PERU R. Cuzco: 0920 SP request pgm, Peruvian mx, No ID heard (Field-1/1).
- 6195 CANADA CBC-NS: 0200-0605 wx, lite pop mx, W ancr in EG, C&W mx (Davenport, Jordan).

And that's LR-B for another month, and I filled a whole four pages! Hopefully we can do it again next month. Received a call from Stu Klein in FL, he's hearing a strange RS pgm on 9810 that has an IS @ 0810, and the words "Govorit Radiostansia Yod". I listened myself on 1/22 and heard the same thing, on 1/23 heard the same IS but "Govorit Radiostansia Unid" (Yoo-nid)

7/35 Steve

log report

section

6200-11699



PETER SCHIPELLITI

- 31 HEAVERBROOK ROAD BURLINGTON, MASS. 01803 or phone after 2300 GMT up until 0500 GMT.
617 272-3142. I don't want to take up too much space as there are quite a few reports this month. I guess a lot of you had a chance to do some holiday listening and that explain this month's abundance. I've been back at school since Jan 21'st and still not enough time to DX. Lately, the only listening that I do, is when I'm typing LR-C. Onward.....
- 6210 VATICAN Vatican R; 0715-0815* Italian Pgm w/ 1t Mx noted w/ extended sked on 22 Dec European Service (Padula-Australia)
- 6215 ANDORRA AMR via R. Andorra; 2035-2100* EG, Christmas carols & OM w/ rel tlks, ID as "Radio Andorra AMR." Address for Lisbon & London (Cucura 12/18)(McIvor 12/24)(Braga 12/27)(Moore 12/25)(Valko 12/28)(Routenburg 12/24)(Porter 12/5)(Overcamp 12/25)(Lobdell 12/25)(Alexander 12/22)(O'Donnell 12/28)(Krueger); 2140-2200 EG (Cartwright 12/28); 2300-0000* FR on late w/ Xmas Church Service; telephone calls (Buer 12/24)
- 6215T ANDORRA R. Scandinavia; 0350-0450 FR?, Pop, Soul, Rock Mx and a few annmcs. On all night for New Years (Lineback 1/1)
- 6235 GREAT BRITAIN European Music Radio; 0814-0906 EG, Many ID's & Addresses, US Pop Mx, QSB @ 0906 (Cucura 12/16)(Field)(Cartwright 12/16)(Porter 12/16)
- 6250 EQUATORIAL GUINEA R. Malabo; 2120-2204* SP, West African Mx until 2200 then ID including "Radio Malabo" & sign off w/ March having several verses (Rankin 12/25)(Lang 1/1)(McVicar 12/30)(Routenburg 12/23); 0915 SP (Klein 12/15)
- 6340 TURKEY Turkish Police Radio; *0458-0530 Turkish, Anthem, ID by OM, Turkish Mx, (Dayen 12/9)(Buer 12/23)(Peck 12/9)
- 6383 MONGOLIA R. Ulan Bator; *1220-1250* EG, muffled audio w/ fair signal (Dayen 12/27)(Cartwright/Valko 12/29)(Greenwood 12/27)
- 6418 USA-Bootleg KVHF; 0740-0905 EG, Rock & Blues Mx, ID as "This is KVHF, The Voice of America." (Durnavich 12/29)(Lattemann 1/6)
- 6480 SOUTH KOREA R. Korea; 2106-2215* in several languages-too weak to tell exactly what they were. Folk Mx. 2130 R. Korea orchestral theme Mx, ID by OM, pop Mx & Tlk. 2200 New Pgm in Arabic w/OM, 2213 Theme Mx w/ orchestra, ID, off at 2215. Fair (McVicar 12/22); *1955 EG (Padula-Australia 12/14)
- 6540 NORTH KOREA R. Pyongyang; 1210 JP, Nice Mx, Tlks by YI, could be Korean though WRTM says JP. (Prath)
- 6550 LEBANON Voice of Lebanon; 0445-0503 tuned in just in time to hear 'Sout al Loubnan' and a FR ID. They played Christmas Carols until 0500, when they played 'When a Child is born.' Numerous IDs. I can't believe this is 500 Watts (O'Donnell 12/25)(Buer 1/3)(Klein 12/9)(Crawford & Krueger 12/23)(Field 1/1)(Fisher 12/30)(Cartwright 12/29)(Peck 1/1)
- 6576 NORTH KOREA R. Pyongyang; 2050-2106 EG, Mx, Cmtry, ID's Fair (Krueger 12/25)
- 6665 CHINA Peking; 0754-0800* CH, dramatized soliloquy by OM followed by piano and chorus singers w/ catchy tempo; OM short Tlk...silence...high pitch pips which end w/ one long pip YI ID..I got the Bay-Ping! (I've yet to hear them ID w/ 'Bay-Jing' supposedly their new pronunciation of Peking. Very Satisfactory overall (Poppin 12/15); 1203 CH, (Prath 12/15)
- 6840 CHINA/INNER MONGOLIA Nei Menggu; 1105 CH, Local Mx, Tlk w/ about 3 or 4 people. (Prath 12/16)
- 6900T TURKEY Turkish Meteorological; 0545; Wailing Turkish Mx, YI singing w/ orch., Cont. string of folk melodies played by various orchestras. (Peck 12/16)
- 6910T LAOS Oudom Kay; 1220 Lao, weird OM chanting type Mx, f/o 1230. f-p (Klein 12/22)
- 6965 ????? RBC Radio Rainbow; 0200-0300, SP ID, Mx & lessons in EG for Spanish speaking people. good reception w/ slight fading. Have never seen this reported. (Findlater 1/17) I wonder if anyone has heard of this station. Clandestine or Bootleg?????????? Okay DX'ers, let's track this down and see if we can't have a few reports for this next month. If you use two or more receivers, keep one on this freq. at all times & report if anything interesting shows up. Thanks for your interest! ps.
- 6965 USA?BOOTLEG WARG; 0440-0451 EG, OM kept saying, "This is WARG calling our chief engineer. This is WARG." then he would disappear as if expecting a reply. He also said that regular programming wouldn't continue until he heard from the "Chief Engineer" Strong signal. Heard this thanks to a phone tip from Chris Lobdell in Malden, MA. (Schipelliti 1/14)
- 7001 ANGOLA Em. Regional do Lobito; 0230, on late for New Year's, highlife Mx. Good w/ heavy fading. (Crawford 1/1)
- 7050 EGYPT R. Cairo; 0517-0535 AR, YI vocalist w/ orch. ID @ 0520, Nx. G (Jordan 12/8)

- 7065 ALBANIA R. Tirana; 0020 EG, Y1 w/ political cntry (Witte 12/23)
- 7080 ALBANIA R. Tirana; 0635 EG, Tlk about Chinese/Albanian relations (Bauernhuber 12/8)
- 7082 GLANDESTINE R. Abdala; 0145-0205*, 0145 tune-in following tip call from Krueger for a once in a blue moon appearance to hear political cntry & "Independencia o muerte" slogans, folk Mx; ARO QRM heavy at times, exc signals. 9 note piano IS (First notes of Cuban NA), SP ID, w/ unncd freq as 7080, off w/ folk Mx tune at 0205. Sounds very professional, unlike the original Abdala which was rapid fire talk (Crawford 1/2)
- 7105 CONGO RTVC; 1700-1715 Vernaculars and not FR., brief mentions of News-Tribal News from the Congo and surrounding areas. Fair (Hart-Australia 1/12)
- 7110 DOEGANESE ISLANDS VOA Rhodes Relay; *0359-0402 EG/AR, caught VOA s/on w/ ID & "Yankee Doodle" while futilely waiting for VoRE ID. into AR Nx (Cunningham 12/15)
- 7110 ETHIOPIA VoRE; 0358 Amharic, flute IS, @0400 march Mx, ID then Nx. f-p w/ CW QRM (McGill 12/18)(Valko 12/25)(Brags 12/20)(Schipelliti 1/23)
- 7110 UGANDA UBC; 1730 Vernacular, GM snncr/good strength-funny enough no Ethiopia-had just faded and gone by this time this night - or morning in Perth. ID as "The Uganda Broadcasting Corporation in Uganda..." (Hart-Australia 1/12)
- 7120 ALBANIA R. Tirana; 0240-0300 EG, Nx, Cntry & Mx (Posporellis 12/9)(Davenport 12/4)
- 7135 FRANCE RFI; 0645 FR, Pop List Mx w/ CM DJ (Bauernhuber 12/8)
- 7145 POLAND Polish R; 0215 EG, Christmas Mx Pgm (Prath 12/25)
- 7160 SARAWAK R. Malaysia-Kuching; 1438, CM w/ Nx in EG, 1439 OM Malay Lang "RM Kuching berita" followed by piano solo "Broadway Rhapsody" into 1440. poor (Poppin 12/28)
- 7170 GREECE VOA-Kavala; 2110 EG, CM w/ Cntry about Iran, ID, fair (Johnson 12/28)
- 7170 NEW CALEDONIA R. Noumea; 0723 FR, CM DJ w/ Disco Mx. Fair (Mosier 12/27)
- 7175 SICILY RAI-Caltanissetta; 0515-0600 IT, OM/Y1 w/ Tlks, MoR/EL Mx, Time Pips @ 0530, CM w/ IDs, Pop Mx, Piano/Jazz. Fair-poor (Jordan 12/18)
- 7180 POLAND Polish R; HS Relay, late LP reception 0908 just prior to fade out, Polish anncnts and pop Mx. Dual 9755-sudible to well past 1000 (Padula-Australia 12/24) 10)
- 7190 YEMEN DYBS-Aden; 0320 AR, AR Mx, ID @ 0329 by Y1 into Nx (McGill 12/18)(McClellan 12/10)
- 7200 UNID; poss Yakutsk (per WRTH) Yakut ASSR. RS, 0804 piano solo, Y1 "You are listening" then mentions selections followed by pison solo 0808+: Y1 "Dimitri Blagdeva" soloist.. after selection silence 0810: OM "Moscow Time: Eleven Hours, ten minutes" followed by "Govorit Radio Stan-see-ys You-must(Youth)" Fair w/ co-channel QRM (Poppin 12/15); 1040 RS (Klein 12/22)
- 7215 IVORY COAST R. Abidjan; 0658 FR, CM snncr w/ drums & ID. Extremely unusual conditions at this time of day and month. Fair signal (Hart-Australia 1/12)
- 7225 TUNISIA RTT; 0456 AR, ID, chants (McClellan 12/8); 0635 AR (Dunlop 12/9)
- 7230 UPPER VOLTA RTV; 1630 FR, CM ID "Ici Ougadougou." Fair (Hart-Australia 1/12)
- 7250 ZAMBIA R. Zambia; 0650 FR, Guitar Mx, IDs (Witte 12/26) More Details ie ID words. ps.
- 7255 NIGERIA VoN; *0515-0600* EG, "Focus on Africa", World & Nigerian Nx, review of Nigerian press, into FR at 0600 (Clifford 12/29)(Taylor 12/31)(Johnson 12/5); 0700-Vernaculars (Witte 12/16)
- 7260T NEW HEBRIDES RNH; 0858 tune-in w/ FR anncnts by Y1, then into long church service in EG, including many hymns. Though they sang "Amazing Grace" @ 1010, Anncnt by OM in FR sounding lang, but including some EG words followed by Y1 anncnt in same lang. before s/off about 8 seconds of native drum type instrument 1022*. Did not catch ID, but format follows that of Jerry Berg log on 12/9 (fair/poor 12/30) also noted on 1/6. First heard @ 0830 but covered by AROs until 0924. EG preaching by OM, hymn @ 0958, then short prayer. Closing anncnt by OM (Which again couldn't catch ID1) followed by same musical instrument till 1004*. ARO open carrier during anncnt ruined chance to ID. Poor w/ ARO QRM (Lobdell 12/30-1/6) I also heard this station on 1/6 as per DX phone tip from Chris Lobdell. My 40 meter dipole helped somewhat, but I did not get a Positive ID. (ps. Fair on 1/6); Now on hmb during local evening service, vernacular anncnts, island style Mx, 0847-0900 as of 12/18 (Padula-Australia)
- 7265 ZAIRE Kisangani; 1755, ID as "Radio Republic of Zaire" African Mx & many IDs. Exc reception, Good morning for Africans. Exc till about 1815 (Hart-Australia 1/12)
- 7271 GABON Libreville; 1735 EG, lcl Afr tribal Nx. Exc. (Hart-Australia 1/12)
- 7275 MONACO TWR; *1725 into Estonian, NF replaces 11835, QRM VOA (Padula-Australia 12/26)
- 7275 NIGERIA VoN-Lagos; 1740 presumed AR or some Vernacular lang. Items of interest about Nigeria heard at times through the 1/2 hour. I was glued to this one (Hart-Austral 1/12)
- 7360 USA-Boothleg Moonshine R; 0558 EG, Mx by Bad Co. "For those of you who have just tuned in this is Moonshine Radio with your host Johnny Blackbeard." Mentioned Green River Radio & other stations. More Pop Mx (Mosier 1/1)
- 7384 LAOS Savannakhet; 1130-1200 talk in presumed Laotian & much Mx. 7 bells at 1200, which corresponds to Laotian time. Then NA and presumed Nx by Y1. (O'Donnell 12/29) (Cartwright/Saylor/Wicks/Berzonsky/Valko 12/29)(Porter 11/30)(Dayen 12/20)
- 7470 CHINA R. Peking; 2130 EG, Nx, local Mx, Cntry (Zalmer 12/18) 12/23)
- 7550 SOUTH KOREA R. Korea; 1300-1330 EG, ID, Nx, Cntry, "Editorial Comments" (Williams 12/2)
- 7670 BULGARIA Stolnik; 0424-0432 EG, Folk Mx Pgm, R. Sofia 1st IS 0429, 2nd IS 0430, Nx by Y1. (Cunningham 12/2); 0636-0703 TK (Cucura 12/16)
- 9009 ISRAEL Kol Israel; *2000-2025* EG, Nx, "This Week" (Fraser 12/8)(Moman 12/16) (Schumacher 12/7)

- 9022 IRAN VOIRI; 1941 EG, Nx, ID, Cmtry by OM. Fair (Kruszka 12/23)(Homan 12/16)(Miller 11/10)(Cunningham 12/1)(Dunlop 12/10)(O'Donnell 12/20)(Braga 12/27)(McIvor 12/29) (Durnavich 12/14)(D'Angelo 12/9)(Grishin 12/17)
- 9420 NORTH KOREA R. Pyongyang; 2026 EG, political tlk (Moman 12/16); 0807 FR (Padula-Australia 12/21); 1325 SP (Earhart 12/23); 1401 SP (Mosier 12/28); 0714 EG (McVicar 12/27); 0820 EG (Klein 12/9); 1710 Lang? (Braga 12/27)
- 9425 ISRAEL Kol Israel; 2025 EG, Nx in Brief (Prath 12/22)(Moman 12/16)
- 9490 CHINA Tibet-Lhasa; 0415 CH, Vocal/Piano Mx (Johnson 12/6); 1046 CH (Crawford 12/12)
- 9495 MONACO TWR; 0900 EG, interview w/ Charles Colson (Grishin 12/16)(Klein 12/9) (Durnavich 1/2)(Crawford 12/12)(Lang 1/5)
- 9500 USSR Magadan; 0500 RS, "Govorit Magadan" local Pgm to 0600; //7320, Tues. to Sat. (GMT); Sundays at 0315-0400. (Behr 12/29)
- 9510 ROMANIA R. Bucharest; 0215 EG, Pgm on skiing (Byron 12/4); 0400 EG (Durnavich 12/15)
- 9515 GREECE VozG; *0630 GR, OM/Y1 w/ Tlks (Johnson 12/11); 0100 GR (Peck 12/30)
- 9525 SOUTH KOREA R. Korea; 1000 EG, Nx, KBS Magazine (Grishin 12/16)
- 9530 BULGARIA R. Sofia; 2130-2200 EG, Nx, DX Pgm (Zilmer 12/23)
- 9535 ANGOLA R. Nacional; 1505 Port., OM DJ, local Mx & Drums. In the clear like most Africans this morning. Exc. (Hart-Australia 1/12); 2350 Port. (Padula-Australia 12/8)
- 9545 SOLOMAN ISLANDS SIBS; 0645 EG, frequent TCs, Christmas songs. fair (Diekmann 12/23)
- 9560 JORDAN R. Jordan; 1720 EG, Mx, Instrumental tune to 1729 then ID as, "This is Radio Jordan, Amman," annct sked as 1500-1730. (Routenburg 12/24)(Valko 1/1) 8)
- 9570 ROMANIA R. Bucharest; 0150 EG, Tlk on Romsanian Economy (Prath 12/21)(Alexander 12/12)
- 9570 QATAR QBS; 2030 AR, Tlks by OM, het from RNE (Peck 12/16)(McVicar 12/29)
- 9575 GREENLAND Godthaab; 1000, local ID in Greenlandic, then into church service or rel. Pgm w/ Hymns. Into Danish 1030, to fade out around 1035. Via North Polar Path, & then South over North Pacific. First noted on Dec. 10. Haven't heard this station since 1968! Freq clear now that USSR & Neth Antilles moved in 1000-1100 GMT period. Haven't seen any other authenticated reception for Eastern Australia in last decade for Godthaab. May not hold due to intensifying northern winter and decreased MUF's. (Padula-Australia 12/10) I haven't heard this yet. ps.
- 9575 ITALY RAI; *0100-0120* EG, IDs, freq's, Y1 Anncr, opera (Posporelis 12/17)(Baker 12/17)(Earhart 12/18) 14)
- 9580 AUSTRALIA R.A.; 1135-1300* EG, "Carols by Candlelight", Nx (Fraser 12/24)(Conover 12/12)
- 9580 ZAMBIA R. Zambia; 1520, Fair signal. underneath European Signal; nice African Music. Lost later under big powerhouse signal (Hart-Australia 1/12)
- 9585 CYPRUS CBC; *2212-2244* GR, 16 note IS to 2215; ID; Nx by OM to 2220, radio drama to 2212. Super signal (Cunningham 12/30)(Padula-Australia 12/22)
- 9585 JAPAN R. Japan; *1300-1315 EG, Nx--"Current Topics" into JP @ 1315 (Fraser 12/9); 1500 EG, 1515 JP (Taylor 12/9)
- 9585T SOMALIA R. Mogadishu; 2025, Somalian folk Mx w/ OM singing, flutes, strings & guitar. Sounds like a mix of Mideast/Hindu/Afro elements. Qur'an readings. (Peck 12/16)
- 9585 CLANDESTINE Voice of the Communist Party of Turkey; *0800 TK, IS, NA, Tlks, (Klein 12/22); *0655 TK (Peck 12/16)
- 9589 NEPAL R. Nepal; 1240-1255, Tlks in Nepali, subcontinental Mx, heard in // w/ 3425, which was much better (Dayen 12/19); 1146 IS, annct by OM, overpowered by USSR stn. on 9590. poor (Lobdell 12/24)
- 9595 JAPAN NBC; 1530-1600 EG, Pop Mx, Nx, fade/out by 1600 (Hasselkus 11/12)(Nelson 11/17)
- 9600 OMAN BBC Relay; *0000, EG, into World Service, NF for D-79, first time heard here, dual 9590/Sackville & 9580/Ascension all audible at 0000! (Padula-Australia 12/9)
- 9600 TAIWAN VOFC; *0900 CH, IS, ID & Tlks (Klein 12/15)
- 9600 USSR "Anadyr" pgm, 0500 Chukchi & Mx, 0545 "Govorit Anadyr" RS local Nx & Wx; Wed/, Thu/, Fri (GMT); Tue. 0500-0600 & Sun. 0315-0400 relays "Magadan" Pgm; actual site may be Magadan or Okhotsk. (Behr 12/28)
- 9605 PHILIPPINES R. Veritas; 2215 EG, OM w/ rel. Tlk about Creation vs. Carbon Dating. Xmas Mx, Mailbag Pgm. Fair-Good (Johnson 12/15) 19)
- 9605 VATICAN VATICAN R; 0005 EG, Nx about the Pope (Mosier 1/5); 0035 SP (Posporelis 12/12)
- 9610 MEXICO R. Universidad de Mexico; 1840-1945 SP. Definitely off frequency according to my GAR-7. Many IDs as "R. Universidad Nacional...Mexico". Cl Mx (Eastman 1/4)
- 9615 ETHIOPIA VoRE; 1627 Lang?, IS till 1628, psible NA, chants & Mx (Valko 12/11)
- 9615 INDIA AIR; 1535-1540 EG, Y1 w/ Nx, poor (McIvor 12/30)
- 9617.8 MOZAMBIQUE R. Mozambique; 0300 PT, Nx by Y1, 0316 Mx, Fair (Behr 12/11); 9618v 2200-2216* PT, (Dayen 12/15)
- 9620NF MONACO TWR; *0900-0930* GM for Europe, NF replacing 9610, via LP, interesting DX, Mons to Sats only, Sundays uses 7230 Khz. (Padula-Australia 12/20)
- 9623 VIETNAM Ho Shi Minh City; 1540-1605* Vietnamese, apparently a radio-play as heard Y1, OM & children speak. some orchestral Mx, other days noted till 1610* (Dayen 12/23)
- 9630 CHILE R. Agricultura; *0958-1008 SP, Cl Mx, IS, ID, fanfare, into 'les noticias Agricultura' by OM. Mucho QRM. (Cunningham 11/12); 9629.7 1038 SP (Dayen 12/13)
- 9645 COSTA RICA TIFC; 1310 SP, ID by OM, TC; into light instrumental Mx (Lobdell 12/24)
- 9650 KUWAIT R. Kuwait; 2007 EG to Eur, //11665, 1534.5. QRM @ 2015 IBRA (Padula-Aus 12/25)
- 9650NF MALTA IBRA; 2015 Ukrainian, 2045 Slovenian, Croatian 2100-2115* (Padula-Aus 12/1822)

- 9654 THAILAND R. Thailand; 1150-1210 EG, ID @ 1059 as "This is R. Thailand, you are tuned to R. Thailand." then again at 1202 w/ freqs & metre bands. (Dayen 12/20)
- 9665 MAYLASIA VoM; 1625 EG, OM & Y1 anncr (Witte 12/21)
- 9670 MALTA Xmdir Malta; *0700-0755* EG, "Malta Calling", "Views on the Nx", "People in the Nx" (Durnavich 12/15)(Briscoe 1/12)(Jordan 12/15)(Cunningham 12/8)(Johnson 12/22)(Lang 1/5)(Diekman 12/15)
- 9683 TANZANIA R. Tanzania; 1915-1931 EG, Cmnty by OM, Afro Mx, machine gun fire, into Pgm of Nx, Mx & Cmnty, ...brought to you by the Patriotic Front of Zimbabwe, and the ...representatives of the struggling people of Zimbabwe, followed by machine gun fire. Heavy stuff! Into long cmnty by OM w/ Afro & military Mx interludes. Poor signal w/ heavy QRM and het at t/in, got progressively worse till unreadable @ 1931 (Cunningham CAMBODIA VotKP; 1200-1215 EG, Nx (Hasselkus 11/12)(Jordan 11/29)
- 9695 LITHUANIAN SSR Lietuvos Radijas, Kaunas; 0803-0818 in Lith., Nx, Folk Mx, IDs, 12/22) mentions of Vilnius & Moscow, electronic notes (McVicar 1/2); 0632 (Padula-Australia SWAZILAND TWR; 0400 EG/Lang?, IDs, "This is the International Voice of TWR, Swaziland" rel. Mx, OM & Y1 Tlks (Hensley 12/3)
- 9750 CHILE R. Minería; 2330, Beatles Mx, TC's, ID @ 2344, QRM (Dayen 12/8)
- 9770 CUBA ect.: from 1058-1100 I could hear a total of five stations sharing the freq. I R. Habana noted w/ IS, R. Australia in EG, ORF-Austria w/ their IS, 4VEH-Haiti w/ IS & R. Moscow there w/ IS. Can anyone top this?? (Lobdell 12/16) I'll try, Chris. ps.
- 9780 YEMEN ARAB REPUBLIC R. Sana; *0230-0330 AR, IS, NA, chant-like vocals (Durnavich 12/14)(Cunningham 12/6)(Valko 12/25); 1940 AR (Braga 12/21)
- 9815 ISRAEL Kol Israel; 2230-2300 EG, IS, into Nx & Cmnty Pgm (Davenport 12/11)(Nelson 11/20)(Reynolds 12/15)(Moore 12/28)(Danko 1/2)
- 9835 HUNGARY R. Budapest; *0300-0307* EG, Nx, Xmtr problems off @ 0307, but other freqs OK. //79585 (Durnavich 12/13); 2100 EG (Swanson 12/24) 1/1
- 9840 KUWAIT R. Kuwait; 1850-1900* AR, Mid East songs, ID @ 1900, Nx (Buer 12/22)(Crawford 9953T CLANDESTINE R. Freedom of South Yemen; 1956-2002 AR, chanting type Mx, OM w/ anncmts at 1959 then band Mx w/ chorus. poor-very poor (McVicar 12/27)
- 9977 NORTH KOREA R. Pyongyang; *1100-1249* & *2300-0025 in English were reported by many. (Durnavich 12/10)(Dunlop 12/19)(Reynolds 12/9)(McIvor 12/29)(Nelson 12/3)(Fraser 12/20)(Williams 12/15)(McClellan 12/30)(Danko 12/31)(Hesch 12/7)
- 10010 VIETNAM VoV; 2039 EG, Nx, ID, //10040 (Moman 12/16)(D'Angelo 12/9); 0005 CH (Rankin 12/27); 2220 CH (Peck 1/1)(McClellan 1/1)
- 10100H CANADA CFRB; 10 X 1010 KHz, 1859 EG, ID, OM ID, Y1 w/ Nx. CFRB is a 50KW MW stn. (Miller 11/10); 1630 EG (Routenburg 12/17)
- 11610 ISRAEL Kol Israel; 2100 HB, ID by Y1, Israeli Pop Mx (Peck 12/16) (Zilmer 12/31)
- 11615 ALGERIA R. Algiers; 2100 EG, IS, ID & freqs. Nx (Moman 12/16)(Baker 11/6); 2200 FR, 11620 INDIA AIR; *1745-2230* EG, Many reports rcd for this transmission. (Baker 11/7)(Gliksmen 12/17)(Alexander 12/22)(Moore 12/21)(Williams 12/24)(Moman 12/16)(Braga 12/18)(Grishin 12/5)(Prath 12/22)(Bauernhuber 12/8)
- 11637 ISRAEL Kol Israel; *2230-2300* EG, Nx, "Mosaic", "Spectrum" good (Fraser 12/3)(Alexander 12/19)
- 11640 PAKISTAN R. Pakistan; 1330-Lang?, Local Mx, Tlks.//21755, 17910 (Zilmer 12/25)
- 11646 ALGERIA R. Algiers; 2100-2130 EG, Nx, Wx, 2122 Mx Pgm, Pop Mx //9610, 11810. (Durnavich 12/14)(Alexander 12/22); 11647NF 0120-0137* SP (Buer 12/14)
- 11646.5 UNID : OM/Y1 in Tlks interspaced w/ excerpts of classical Mx. 2138-2225 f/o, SP/FR, EZ vocal, guitar, flute Mx, OM w/ possible ID @ 2200 & Brief Talk, Pop Electric guitar; w/ FR anncr (Johnson 12/28) Can anyone help us to chase this one down? Any Ideas? ps.
- 11650 CHINA R. Peking; 0315 EG, Local Mx, Cultural Tlk about China (Prath 12/25)
- 11660 CAMBODIA VotKP; *2330-0056* KH Pgm; //11685 weaker (Behr 12/27)
- 11665 KUWAIT R. Kuwait; 2015-2100* EG, Western Disco & Pop Mx, IDs (Johnson 12/16)(Zilmer 12/22)(D'Angelo 12/8); 1845-1930 EG (Williams 12/22)(Buer 1/1)(Braga 12/8)(McIvor 12/11685 UNID: 0335 AR, Tlks by OM & Y1, under a horrible jammer on 11670 (Mosier 1/2) (31)
- 11690 KUWAIT R. Kuwait; 1930-2000 EG, Pop Mx, IDs by OM, Nx by Y1. Fair signal (Hasselkus 11/11)(Taylor 11/26)(Diekman 12/16)
- 11695 CHINA R. Peking; 0115-0140 EG, OM w/ Cmnty on changes in Kampuchea's Gov't, "Music From China" w/ tlk & playing of Beethovens 9th by the Central Philharmonic Orch & Choir. Exc signals. (Jordan 12/30)(Hesch 12/31)

And once again, we end with China on 11695 KHz. Let me highlight a few of catches worth trying for; 6340-Turkish Police Radio, 6900-Turkish Meteorological, 7082-R.Abdala, 7260-Radio New Hebrides, is a nice catch if you can filter out the ARO QRM. 9570-Qatar, 9589-Nepal, 9623-Ho Shi Minh City, 9683-Tanzania, 9953-Radio Freedom of South Yemen.

I wouldn't mind hearing from a few more of you & what you are using for equipment and antennas. Do you use any accessories that really improve your DX'ing ability? If you want to know when a particular station is on, and you can't find their schedule, drop me a line and I'll be glad to give it my best. I can't promise a 2 day turn-around, but within a week or two I should be able to get a reply out. If anyone is interested in Amateur Radio, ask me. I help to teach Novice classes on Friday nights & I'm sure I'd be able to steer you in the right direction. For Now, Best of DX & 73's... I remain WBJOEX... Peter

log report section

11700 TO 17699

TERRY COLGAN



- 11705 UNIDENTIFIED "R. Itatiaia": 0010-0030 presumed PT, M w/ tlk, "R. Itatiaia" mentioned @ 0017, orch mx, W w/ poss ID @ 0030 (Jordan)
- 11705 SWEDEN RS: 0230-0250 EG, SCDX, nx, sports, mx (Kunz, Vrugink)
- 11705 AUSTRALIA RA: 1010 EG, nx, pop mx (Swanson)
- 11710 NEW CALEDONIA R. Noumea: 0749 FR, blues mx, // 7170 (McVicar)
- 11710 ARGENTINA RAE: 2318-2330 EG, nx, tk on international development, Argentine mx, (Abbey, Diekman) WRTH lists as 100 kw-tc
- 11714 EQUATORIAL GUINEA R. Equatorial: 2303* SP, special xmsm to Spain, 12/3, announced 11715 (Behr) (Davenport)
- 11715 BELGIUM BRT: 0015-0100 EG, hrd clear on Sat/Sun-other days RCI QRM
- 11715 SWITZERLAND SRI: 0148-0215, 0430-0441 EG, wrld nx, "Dateline" (Baker, Thompson)
- 11715 CHILE VOC: 0310 SP, nx, ID w/ address, flk mx (Mosier)
- 11720 BULGARIA R. Sofia: 1930-2000 EG, nx, "Life in Bulgaria" (Durnavich)
- 11730 NETHERLANDS RN: 1800-1820 AR, mx, cmntry, ID, freqs (Baker)
- 11730 MADAGASCAR RN: 1910-1920*, 2030-2120 EG, "Stamp Corner", "Happy Station" (Fraser, Johns)
- 11730 GREECE VOG: *2358 GK, TT, IS, nx, EG nx @ 0015 (Durnavich)
- 11735 PORTUGAL RJ via Sines: 2205-2215 EG, nx, many IDs, cmntry (Buer, McIvor, Porter)
- 11755 FINLAND RF: 0330 EG, "Compass North" (Calderwood)
- 11755 ARGENTINA R. El Mundo: 0711-0716 SP, M w/ IDs, mention of 1070 kHz MW freq, LA mx (McVicar) (Johnson)
- 11760 CYPRUS BBC: WS 0800 EG, nx, no chance for Cook Islands here (D. W.)
- 11765 BANGLADESH RB: 1815-1915* EG, nx, cmntry, subcont mx, slow speed nx @ 1900, many IDs (Dayen, Vrugink)
- 11765 BRAZIL R. Tupi: 2344-2359 PT, long tlks by M & W, EZL & choir mx, 2359 ID "R. Tupi, Sao Paulo, Brazil", g but overmod (Cunningham)
- 11780 BRAZIL R. Nac.: 0916 PT, ID, anmts, accordian mx (Mosier) (Cucura)
- 11790v INDONESIA VOI: *1400-1440 EG, ID, nx, IN pop mx, tlk on history
- 11800 ITALY RAI: *1850 AR, recent nf, repl 11875, co-channel SLBC (Padula)
- 11800 SRI LANKA SLBC: 1200 lang, mx, TC, ID (Crawford)
- 11805 BRAZIL R. Globo: 0031-0100 PT, futbol game, ID @ 0051 (Cunningham)
- 11810 ALGERIA R. Algiers: 2100-2130* EG, nx, pop mx, IDs (Zilmer, Hensley)
- 11820 ASCENSION ISLAND BBC: WS 1833-1915, 1945 EG, "Outlook", pop mx. (McIvor, Zilmer)
- 11830 VATICAN VR: 2210-2223 EG, rel cmntry (Zilmer)
- 11838 NICARAGUA LVN: 0000-0400v* SP, mx & IDs, back here since 12/22, // 5950 (Behr)
- 11840 GUAM KTRW: 0822 EG, xmas mx, ID @ 0830, rel pgm (Cucura)
- 11845 FRANCE RFI: 1735 EG, "PCA" (Swanson)
- 11845 SWEDEN RS: 2100 EG, special xmas pgm 12/24 (Zilmer)
- 11850 CANADA RCI: *2330 EG, special xmas eve world-wide phone-in for Canadian Armed Forces personnel, satellite-linked live rpts from bases around the world (Padula)
- 11850 SEYCHELLES FEBA: *0315 SP, IS, ID, rel pgm (Kunz)
- 11850 INDIA AIR: 1135-1140* EG, nx, // 9705 (Zilmer) (Hasselkus & others)
- 11854v SAUDI ARABIA BSKSA: *1800-2100 EG, pop mx, class mx, nx, IDs
- 11865 MALTA DW: 0130-0150 EG, NA svc w/ nx & mag pgm (Davenport)
- 11880 SPAIN SFR: 0030, 0100-0200 EG, nx abt Spain, tourist nx, cmntry, DX pgm (Danko & others)
- 11890 CHILE VOC: 0240 EG, Chilean flk mx, ID (Gliksman)
- 11890 PHILIPPINES FEBC: *0800 EG, IS, ID, mx (Klein) 0829-0839 EG, rel pgm IS, TC, Asian nx, p (McVicar) *2200-2300* VT (Padula)
- 11890 OMAN R. Oman: 1933-2025* AR, mx on wind instruments and percussion, brief anmts between mx, psbl nx @ 2000, @ 2023 Omani NA sung by M, carrier off a minute later, f-g before 2000, then unusual drop in sig strength after 2000, freq unusually clear-usually covered with jamming mess, 12/30 (McVicar)
- 11900 VATICAN VR: *0100-0115* EG, tlk abt family (Joseph)
- 11900 USSR RM: WS 1500-1530 EG, ID, nx, "Mediascope" (Williams)

- 11900 SOUTH AFRICA R. RSA: 0205-0240 EG, nx, cmntry, "Panorama", nx-in-brief, (Nelson, Bauernhuber)
- 11905 SWEDEN RS: 0031 EG, review of 1979 events (Abbey)
- 11910nf SAUDI ARABIA BSKSA: 1727 Somali, co-channel Budapest QRM (Padula)
- 11910 HUNGARY R. Budapest: 1530 GK, IS, ID, tlk (Alexander)
- 11920 CUBA R. Havana: 2125 EG, nx (Swanson)
- 11925 PORTUGAL RP: 0300, *0500-0530 EG, NA, IS, ID, nx (Bauernhuber, Jordan)
- 11925 ALGERIA R. Algiers: 2005 AR, found here 12/20, // 9640, also via LP 0715 when // 9640 & 9705, thought this might have been Baghdad listed for 11925 by BBCMS (Padula)
- 11930 NETHERLANDS RN: *1330 EG, nx, to Eur (Zilmer)
- 11938 KAMPUCHEA V. Kampuchean People: 1208-1220, EG to 1213, FR @ 1215, het, //9695 (Buer)
- 11940 GABON Africa #1: 2000-2133* mult lang, AF mx, IDs, rept requests
- 11950 USSR R. Alma Ata: 2352-0005 Kazakh/RS, TT, IS, clock chimes striking 6, anthems, IDs, p (McVicar) 0340-0450 RS, IS, ID, tlks (Rankin)
- 11955 OMAN BBC: WS 0005 EG, nx, p (Bragg)
- 11955 ANGOLA R. Nac.: 0450-0545 PT, NA @ 0500, ID, latin & Af pop mx, complete ID @ 0530, frequent TCs (Rankin, Valko)
- 11955t PHILIPPINES R. Veritas Asia: 1430-1502 lang, eerie mx, mentions of mars (??-tc), nx, poss ID @ 1500 (McIvor)
- 11955 TURKEY VOT: 2130 EG, nx (Moman)
- 11965 RWANDA DW: 1545 FR til 1614, f/d ID, into SH (MkGil)
- 11975 EAST GERMANY RBI: 0400 EG, lbx, tlks, // 11890 (Johns)
- 11980 USSR RM: WS 1400-1430 EG, ID, nx, "Culture & the Arts" (Williams)
- 11985 ALBANIA R. Tirana: 0710 EG, pol tlk, RM QRM (Bauernhuber)
- 11990 CZECHOSLOVAKIA RP: 1755 EG, interviews, features, ID, nx (Alexander)
- 12010 USSR RM: WS 1615-1630 EG, DX pgm (Fraser) 1800 EG, nx (Moore)
- 12050 USSR RM: WS 0715 EG, lbx (Bauernhuber)
- 12070 MONGOLIA RUB: 1215, oc, 3X chme IS @ 1220, EG ID, short NA, Eg nx, f but images on DX-160 ruined reception (Crawford)
- 12070 USSR R. Atlantika: 1255-1325 RS, orch mx, ID, M & W w/ nx (Jordan)
- 12095 ENGLAND BBC: WS 0500, 1230-1300 EG, TC, ID, wrld nx, cmntry (Mosier, Williams)
- 12175t ICELAND ISBS: 1235-1257* lang, cont tlk by M til f/out, nice xmas mx on 12/25 (Gliksman)
- 15004 USSR RKM: 0250 time pips (Marker) Presumed CW ID?-tc
- 15008v VIETNAM VOV: 1253-1300* VT, M singing song to tune of Battle Hymn of the Republic, f (Schumacher)
- 15060 SAUDI ARABIA BSKSA: 1600-1630, 2207-2238 AR, tlks by M, lively AR mx, several IDs (Gliksman, Moman, Thompson)
- 15105 GRENADA RFG: 2020 EG, ID by M, calypso mx (Routenburg)
- 15105 ISRAEL KI: 0500 EG, nx, press review, wx (Hensch)
- 15115 ECUADOR HCJB: 0236, 0515-0545, 1400 EG, "DXPL", "Sounds of Joy" "Passport", "Morning in the Mountains" (Abbey, Jordan, Swanson)
- 15120 CHINA RP: 0011-0016 EG, nx, cmntry, had them listed on 15115 at this time-apparently they changed freq (Reynolds) 0220 EG, CH mx, cmntry (Kunz)
- 15120 SRI LANKA SLBC: 1930 EG, "Voices of Prophecy", mx, f (Ottaway)
- 15120 VATICAN VR: 2045-2100* EG, "Who Were the Magi?", AF serv (Durnavich)
- 15125 SWITZERLAND SRI: 1835-1845 EG, "Jazz Panorama" (Alexander) 1847-1900 GM, wrld nx, Swiss wx, sports (Schumacher) Durnavich)
- 15140 CHILE VOC: 0015-0030, 0130-0200 EG, flk mx, cmntry (Fraser, Johns, Morocco)
- 15155 MOROCCO RTM: 2350-0022 AR, vocal mx, M w/ ID @ 0000, tribal mx, speech (D. W. Johnson) Mosier)
- 15165 DENMARK RD: 1858 EG/DN, IS, ID in Eg & DN, into DN pgms (McClellan)
- 15170 TAHITI RT: 0304-0327 TT, many PSAs, lcl mx (Brouillette) 0410-0534 TT, polynesian mx, tlks, have they increased pwr? (Clifford)
- 15180 USSR RM: WS 2209 EG, nx, tlk (Abbey)
- 15180nf PORTUGAL RP: *2030-2100* PT, to Guinea & Cape Verde, repl listed 15125, RM co-channel (Padula)
- 15200 GABON Africa #1: 0601-0720 mult langs, AF mx, disco, many IDs, gave address many times and requested repts (Valko & others) Schumacher)
- 15205 GABON Africa #1: *1800-2130* mult langs, pop & lcl mx, many IDs (Behr, Sri Lanka)
- 15210 SRI LANKA VOA: 0205-0210* EG, "Breakfast Show", to SEAs (Buer)
- 15210 USSR R. Leningrad: 0815 RS, IS-8 notes or broken chords, M w/ clear "Govorit Leningrad" ID, more IS, M w/ "Govorit" something else ID, fanfare, mx, psbl nx w/M & W (McVicar)
- 15220 MADAGASCAR RN: 2031 EG, nx, "His and Hers" (Abbey)
- 15225 TAIWAN VOFC: 2300-2350* SP, // new 15125 (Behr)

- 15225nf AUSTRIA ORF: 1725 GM, repl 15335, Tunisia co-channel (Padula)
 15228.5 ALGERIA R. Algiers: 0015 FR, pop mx, 0105-0135 SP, nx, hrd only 3 days in Dec, Cuba co-channel (Behr)
 15230 CHINA RP: 0405 EG, nx, ID (Hesch)
 15230nf GUAM KTWR: 2240-2257* IN, rel pgm, ID & IS @ 2257 (Buer)
 15235 JAPAN RJ: 0200-0230 EG, IS, nx, cmntry, into SP @ 0230 (Williams)
 15240 USSR R. Kiev: 0030-0041 EG, nx, "Ukranian Panorama", mx (Reynolds)
 15240 LIBERIA UN (via VOA): *0215-0245* var langs, to C & E Af (Padula)
 15240 EAST GERMANY RBI: 1430-1500 EG, ID, cmntry, lbx (Williams)
 15240 SWEDEN RS: 1830 EG, interviews, mx, lbx, to Af (Zilmer)
 15250nf USA WINB: 1713 EG, rel pgm (Padula) Hoffmann)
 15260 CANADA BBC (via RCI): WS 1715-1735 EG, "My Word", horse race (Grishin,
 15260 CANADA RCI: 1807 EG, "DX Digest" (Hoffmann)
 15265 BRAZIL R. Excelsior: 0155-0205* PT, sports event w/ excited ancr, co-channel RM Kenga feeder from 0200 (Buer) ID hrd?-tc
 15265 GABON Africa #1: 2000-2130* mult lang, AR mx, many IDs (Behr)
 15270 TAIWAN VOFC: *0300 EG, nx, cmntry (Calderwood, Mosier, Ottaway) *2140-2240* EG, nx, pop mx, tlks, many IDs (Dayen, D. W. Johnson, Hasselkus)
 15270 JAPAN RJ: 2345 EG, nx (Hesch) (Zilmer)
 15275 SWEDEN RS: 2300 EG, lbx, repl 9695 per ANARC-FRC recommendation
 15280 BRAZIL R. Nac.: 2145 PT, vocal mx, dominant over co-channel VOA (Padula) others)
 15285 BANGLADESH RB: *1228-1300* EG, IS, ID by M, nx, pop mx, p-f (Klein & others)
 15298.3 CHILE VOC: 2300-0000* FR/SP, p, // 15138 (Behr) Johnson, Padula)
 15305 PHILIPPINES FEBC: *2156-2345* IN, IS, rel mx, tlks (Behr, D. W.
 15310 OMAN BBC: WS 1240-1315 EG, nx, pol tlk, ID (Cunningham, Lineback)
 15313t BRAZIL R. Globo: 2300 PT, hrd only 3 times since Oct, p w/ QRM (Behr)
 15320 SINGAPORE BBC: 2200 JP, 2230 CH, f (Behr)
 15325 UGANDA RU: 0300-0420 EG, nx, lcl & disco mx, IDs (Lang & others)
 15325 SOUTH AFRICA R. RSA: 0115-0130 EG, New Year's round-the-world listeners call-in show, into lang @ 0121 w/ more calls (Danko)
 15333 COLUMBIA R. Nac.: 0204-0238 SP, class mx, ID @ 0215 (Glikzman)
 15340 AUSTRALIA RA: 0417-0435 EG, pop mx, W ancr, to As (D'Angelo)
 15340 PORTUGAL RP: 1800-1830 EG, ID, nx, sports, cmntry, mx (Williams) 2130-2200 SP, to Eur, nf, may repl 6025 (Padula)
 15345 NEW ZEALAND RNZ: 0404 EG, M w/ lcl nx, wx, TC in NZ time (Mosier)
 15345 TAIWAN VOFC: 0300 EG, ID, NA, nx, f w. flutter (Mosier)
 15350 ZAIRE L. V. du Zaire: 1605 FR, ID, nx, FR & EG pop mx (Gregory) 2303 FR, xmas mass, ID by M @ 2309 (D. W. Johnson) Are you fellows sure that this wasn't R. Luxembourg?????-tc
 15350 USSR RM: 0520-0530 EG, cmntry on China, mx, to ME (Lineback)
 15360nf ASCENSION ISLAND BBC: *0330-0400 EG, alt pgn for Af, ex 15400 to avoid FEBA (Padula)
 15365.2 UNIDENTIFIED: 1520 AR, mx, 1600 TC & nx, 12/25 (Behr)
 15370 PORTUGAL R. Liberty: 2045 RS, nx, "Goverit Radio Svoboda" ID @ 2100, tuning sig, s/off (Padula)
 15385nf LIBYA SPLAJBC: V. Arab Homeland pgm, // 15450 (Padula)
 15405 SEYCHELLES FEBA: 0305 lang, IS, ID, US orch mx, native inst mx, tlk by M, (Hesch) *0345-0445* AR, W w/ s/on anmt, rel vocal mx, BBC s/on promptly @ 0445 (D. W. Johnson)
 15425 SRI LANKA SLBC: *0030 EG, EZL pop mx @ 0100, TC & ID (D. W. Johnson)
 15435t TANZANIA RT: 1825 SH (100% sure), lisp ty tlk by M, drum mx @ 1829, p w/ heavy splatter, 12/23 (Crawford, Krueger)
 15450nf LIBYA SPLAJBC: 1500-1730 AR, usual pgms, ex 11690 (Crawford, Behr)
 15470 PAKISTAN RP: 1700-1730 EG, nx, sports, cmntry (Hasselkus)
 15475 EGYPT R. Cairo: 1635 AR, M w/ tlk, AR mx (Prath) Lang)
 15520 CHINA RP: 0015-0055* EG, CH mx, CH lessons, var tlks (Bryon, Danko,
 15550 CHINA CPBS: 0045-0105 CH, TP @ 0100, ID, opera, // 15590 (Rankin)
 15560 AUSTRIA ORF: 1835-1855* EG, "Shortwave Panorama" (Hoffmann) others)
 15570 SOUTH KOREA RK: 2300-2330, 0400-0430 EG, nx, cmntry, KR mx (George &
 17650 CHINA RP: 0140-0155* SP, class mx, tlks, IDs (Thompson)
 17663v PAKISTAN RP: 1105-1121* EG, slo speed nx (Zilmer)
 17670 EGYPT R. Cairo: 1805 AR, AR mx (Prath)

That's all for this month. Thanks for the fine support. Sorry I had to cut most US and CANADA loggings to make room for the "foreign" stuff. Can anyone help with the 15350 ZAIRE-LUXEMBOURG problem?? Please! 73 de to

Teng

log report *section*

17700 & ABOVE



BRETT SAYLOR

- 7710 HUNGARY R Budapest; *2330 Hungarian, "Hungarian Fantasia" by Liszt, ID by M, "Itt Budapest", tlks & pop songs (Peck)
- 7720 USSR R Moscow; 0159-0230 English, IS, ID, organ mx, nx, sports (Thompson)
- 7725 JAPAN R Japan; 0130-0230 English, nx and commentary (Johns, Ottaway)
- 7730 nf BELGIUM BRT; 2025 Dutch, replacing 17740 to 2215*, // 15285 (Padula)
- 7740 PHILIPPINES VOA; 0047 English, Breakfast Show (Mosier)
- 7755 JAPAN RJ; 0100-0115 English, ID, nx, //17880 (Williams)
- 7770 GUAM KTWR; *2359 English, IS, ID by W as "This is Trans World Radio, KTWR, Agana Guam", Religious programming, poor (Mc Vicar, Potter, Braga)
- 7780 SOUTH AFRICA R RSA; 0400-0427 English, Good Morning to Africa program (Johns)
- 7790 PHILIPPINES R Veritas Asia; 0002, 0030-0100 English, ID, nx, DX pgm, into Japanese at 0100 (6 reporters)
- 7790 CHILE Voice of Chile; 2210-2225 English, nx and stories of Chile, mx breaks, het from 2223 (Earhart)
- 7795 AUSTRALIA R Australia; 1830, 0230 English, ID's, nx, pop mx (Gregory, Mosier)
- 7800 CHILE VOC; 0000 English, 0043 Spanish, harp signature tune, ID, "You are listening to the V of Chile", Chilean nx, into SP info pgm & folk mx (Peck, Crawford)
- 7800 JAPAN RJ; 0400-0415 English, nx and political comment (Joseph)
- 7810 PHILIPPINES FEBC; *0000-0100* English, nx and religious programming, fair - good w/ flutter (8 reporters)
- 7815 BRAZIL R Cultura de Sao Paulo; 2245-2305 Portuguese, non-stop classical mx w/ titles by M between selections, ID @ 2305 (Cunningham)
- 7825 JAPAN RJ; 2345-0045 English, nx and mx program, lang lessons, commentary (5 rep)
- 7825 KIRGHIZ SSR R Moscow via Frunze; 0505-0515 English, pgm to SE Asia, poor (Lineback)
- 7830 PAKISTAN R Pakistan; *0230-0245* English, slow-speed nx, // 21590, 21730 (5 rep)
- 7830 SWITZERLAND Swiss R International; 1530-1545 English, Dateline, nx (E. Hoffmann)
- 7830 CANADA BBC via Sackville; 1500 English, Radio NxReel, Concert Hall (Zilmer)
- 7835 WEST GERMANY R Free Europe; 1815 Czech, tlk by M w/ ID, religious-type mx (Prath)
- 7840 CZECHOSLOVAKIA R Prague; 1641-1727* Arabic, commentary by M & W, mixture of ME, rock, and Greek-sounding mx (Schumacher)
- 7840 VATICAN STATE Vatican R; 1115-1130 English, religious commentary, nx, // 21485 (Zilmer)
- 7845 USA WYFR; 1750 English, nx and s/off (Swanson)
- 7850 FRANCE R France Int'l; 1700-1745 English, comment & contest info (Byron, McIvor)
- 7870 LIBERIA VOA; 0315-0400 English, mx, account of recent events in Iran (Earhart) 1745-1810 English, "Science in Africa", nx in Special English (McIvor)
- 7875 ECUADOR HCJB; 1715-1732 English, stamp program, scripture reading (McIvor)
- 7880 USSR RM; 0445-0515 English, Soviet mx, nx (Orcutt, Lineback)
- 7885 ECUADOR HCJE; 2145-2200* English, DX Partyline, //15295 (Alexander)
- 7885 ASCENSION ISLAND BBC; 1733-1745 *, 0400 english, world nx, Newsdesk (3 reporters)
- 900 VATICAN STATE VR; 1700-1725 English, nx, interviews, mass in Latin (Zilmer, Bauer nhuber)
- 930 LIBYA V of the Arab Homeland ? (-just a program name, bs-); 1630-1715 Arabic, speeches into native music (Lang)
- 930 CUBA R Habana; 2028 Spanish, first noted 21 Dec (Padula) Bob wonders if this is perhaps a relay of Havana via Tripoli. I have not heard of such, and the VO Arab Homeland is scheduled past 2200 on this freq according to LN Jan. bs.
- 000 h USSR RM; 0200 Russian, tlk & ID by M, 2 X 9500 (Marker)
- 460 BELGIUM BRT; 1750 French, Classical mx (Bauernhuber)
- 465 EAST GERMANY R Berlin Int'l; 1430 English, Mailbag, s/off @ 1443 (Zilmer)
- 465 USSR RM; 1430 English, commentary on Afghan situation, classical mx; right next to BBC WS on 21470 (naturally) (Kunz)
- 475 FINLAND R Finland; 1430-1500* English, listener's letters, mx (5 reporters)
- 535 SOUTH AFRICA R RSA; 1300-1545, 2100-2150* English, world & African nx (4 reports)
- 545 KUWAIT R Kuwait; 0529-0600 English, nx, mx w/ golden oldies, good with no interference (Miller)

Hope all of you have gotten those QSL's you've been waiting for !

- 21570 nf GREECE EIRT; 1238 Greek, for North America from 21 Dec (Padula)
 21570 USA AFRTS; 1810 English, U.S. news, QRM from France (Bauernhuber)
 21580 FRANCE RFI; *1700-1745 English, "Paris Calling Africa", nx (6 reporters)
 21590 PAKISTAN RP; *0230-0245* English, slow-speed nx (Moman, Durnavich)
 21600 WEST GERMANY DW; *1715-1805* English, nx, sports, special topics, // 9735, 11965, & 15135 (announced or heard ?? bs.), site not Kigali, Rwanda as reported elsewhere (Zilmer, D'Angelo, Rankin)
 21605 KUWAIT RK; 1800-2000 Arabic, tentative, 2158-2230 Arabic, tlk by M & W, local mx, nx on the hour (Davenport, Thompson)
 21605 nf PAKISTAN RP; *1630-1730* Turkish, replacing 21450, QRM Riyadh (Kuwait? bs) co-channel (Padula)
 21615 SWEDEN R Sweden; 1414-1428* English, "Panorama" , folk mx, stories from Europe, //21700 (Cucura, Hesch)
 21615 CZECHOSLOVAKIA RP; 1530 English, nx, mailbag (Zilmer)
 21625 nf SA'UDI ARABIA BSKSA; *1100 Indonesian, into Koran readings; also Arabic for Asia @ 0940, also nf (Padula)
 21625 ISRAEL IBA; 1758 Russian, IS, ID, tlk, mx (unlisted frequency) (Zilmer)
 21640 JAPAN RJ; 0115-0229 Japanese, English, EG nx at 0130 into Spanish @ 0230 //15270 (Braga, Baker)
 21640 HOLLAND R Nederland; 2030-2045 English, world nx (Reynolds)
 21650 AUSTRALIA RA; 2300 English, world news (Kunz, Padula) (Fraser)
 21655 nf AUSTRIA ORF; *1230-1300* English, Austrian Musical Trip; //17860 not audible -
 21670 BANGLADESH RB; 1244-1300* English, US pop tunes, ID, folk mx (Cucura)
 21690 ITALY RAI; 1357-1425 Italian, bird chirping IS, bells, M & W ann, orch mx, nx (Thompson)
 21720 PORTUGAL RFE; 1432-1445 Czech, pop mx (Earhart)
 21730 NORWAY R Norway; 1427-1430* English, discussion of world affairs (Earhart) 1624-1630* English, announced // 15175, 21655 (D'Angelo)
 21735 MOROCCO RTVM; 1400-2000 Arabic, mx, speeches&cheers, ID's, nx @ 2000 (Fisher, Zilmer, D.W. Johnson)
 21740 AUSTRALIA RA; 0050-0250 French, English, pop mx, special pgms (Nelson, Braga, Brouillette)
 21755 PAKISTAN RP; *1600-1615* English, slow-speed nx (4 reporters)
 23850 h BRAZIL R Bandeirantes; 1630 Portuguese, light mx, ID's, 2 X 11925 (Moore)
 25790 SOUTH AFRICA R RSA; 1415-1527 English, 1555 Swahili. nx, cmntry about events in Africa, good signals (Danko, Zilmer, Cucura, Braga)
 25880 USA VOA via Bethany; 1625 Swahili, nx (Moore)
 25900 FRANCE RFI; 1335 - 1410 French, play-by-play of football, pop mx (Jordan)
 26000 PHILIPPINES VOA; 2200 English, nx, commentary (McClellan)
 26020 ECUADOR HCJB; 1430 - 0330 English, 100 watts directed to North America; pgm is same as bcst to Europe, //17890 w/ DX Partyline, rel programs, vocals. Usually weak with deep fades (Lobdell, Buer, Duavich, Marker)
 26040 USA VOA; 1905-2010 English, African Service, panel discussion on Iran (Jordan)
 29725 ISRAEL IBA; *1400-1430 Yiddish, time pips, world nx, cmntry, into Russian (Jordan) 1500 Farsi ? , tlks by W, carrier off 1530 (Peck)

Thanks to the many reporters this month. I hope the DX season is going as well for you as it has for me, with catches like the F.I.B.S., Nepal, Mongolia, & Laos. Never seem to have enough time to write to them all, hi!

Sorry for the cruddy typeface last month, but I was at home & forced to use an antique typewriter (compared to this IBM) to get the column out. I'll try to use this one as often as possible.

Best of DX in the days ahead, and see you next month!

73's,

Butt

PUBLISHER'S PAGE



FOR SALE OR SWAP: One RAK-3 Double Dipole Antenna, new, never used. \$40.00 or will swap for an audio filter, or a preselector, or whatever. Make an offer. Will ship UPS. Bob Wirrell, 85 Stillman Avenue, Brockton, MA 02402.

FOR SALE: Collection of recent shortwave and amateur radio books and also a large variety of recent magazines. Excellent reference material at low prices. For a list write to Michael Walker, P.O. Box 332, West Lorne, Ontario N0L 2P0.

FOR SALE: Copies of FRENCH from June 1972 to present. Also Hallicrafters S-53A and/or Heathkit QF-1 Q-multiplier. Send a SASE to Alan H. Roth, 538 East 84th Street 1-C, New York, NY 10028 for details.

WANTED: Help! I just purchased an Atwater Kent model 20 receiver. I think it's wired for 6 volt DC but I need info. Can tubes be purchased? How do I hook it up? The serial number is 18313. Can anyone provide me with some info? Tom Reed, 304 North Cherry, Bryan, OH 43306.

FOR SALE: Factory aligned Drake SFR-4, 5-NB noise blanker, MS-4 external speaker, tropical band crystals and other extras. \$400.00, I pay shipping. Also Gilfer M-1 antenna tuner, \$20.00; Telex CS-7 headphones, \$20.00. Tom Farland, P.O. Box 726, Cedar Rapids, IA 52401. Phone (319) 377-3094 from 2300 to 0300 GMT. No collect calls, please.

WANTED: Information on obtaining copies of service manuals containing all schematics and layout configurations for the National Panasonic RF-2900. Please write: Shawn A. Sabo, 19th Maintenance Company, APO New York 09165.

FOR SALE: Yaesu FRG-7000, new, little used. Modified by Radio West with 2.9 MHz mechanical filter and switchable AGC. Price \$600.00 includes UPS shipping. Certified check or money order only. Please write first and include SASE. Mike Hardester, P.O. Box 49 (NDRG), NAS Miramar, CA 92145.

FOR SALE: URR 390A and URR 388. Both recently serviced. Open on price. Please contact Don Roller, 3983 Pineview Lane, Greenwood, IN. Phone (317) 882-0019 evenings.

FOR SALE: DX-160 with speaker in great condition, only two years old. In original carton with manual. Slight wear on front panel. Price \$100.00. John Kalata, 12057 Meadowland Drive, Lockport, IL 60441. Phone (312) 349-7006 after 2300 GMT.

FOR SALE: DX-300 in excellent condition, 10 months old. No problems with this receiver. Price \$300.00. Rob Harrington, 3181 South York Street, Englewood, CO 80110. Phone (303) 781-1185 from 0200 to 0430 GMT.

FOR SALE: Realistic DX-160 Communications Receiver. Price \$125.00. Will ship UPS. YN3 Donald McCants, Building 45, Room 304, NAS Belle Chasse, LA 70037.

FOR SALE: Collins 51-J-4 in excellent working order. Recently aligned and a beautiful machine in the tradition of the Collin's 51J series! Rack model with metal case, crystal filter and IF mechanical filters, .5 to 30 MHz with read-out to 1 kHz. First person with a certified bank check or money order for \$350.00 takes it. Contact Dan Robinson, 4437 Sedgwick Street NW, Washington, DC 20016. Phone (202) 686-1119.

FOR SALE: Worcester Space Magnet Ferrite Loop medium wave antenna Model SM-2. AC operated, mint condition and little used. Price \$45.00 ppd. Edward Pyatt, 1871 Plaza Lane, S.W., Apt. F-5, Atlanta, GA 30311. Phone (404) 758-9513 evenings. No collect calls, please.

FOR SALE: Heath GR-78 General Coverage SW Receiver. Excellent condition. Specifications for SASE. Price \$50.00 includes shipping. Robert Hughes, 2302 Briar Grove Ct., Richmond, VA 23233.

WANTED: Hammarlund Model S-200 speaker for HQ 180AC receiver. Please contact: George Brown, 6 Glassel Park Road, Longniddry, East Lothian, SCOTLAND.

FOR SALE: Knight Span/Master general coverage receiver in good condition with manual. Contact Richard D. Swanson, P.O. Box 349, Wellman, IA 52356. Phone (319) 646-6849 after 6:00 p.m. C.S.T. No collect calls, please.

NOTICE: I would like to thank, through FRENEX, Jack Somers, Los Angeles, CA, Tom Adams, Midland, MI, and Terry Weinhold, Terre Hill, Pa for their response to my query about the SONY CRF-5100 and ICF-7600 in the December FRENEX. I wish those who own other portable radios would profile them in SWC. I am one of those who cannot afford the exotic receivers often profiled in the bulletin nor do I have room for a permanent radio shack. Thus I am limited to a portable or semi-portable and I would like to hear about the other makes and models and what their owners like and dislike about them. Robert Fraser, F.C. Box 501, Cohasset, MA 02025.

Congratulations are in order for NASWA member Tom Mooningham who has been named "DXer of the Month" by ANDEX International. Here's the article as it appeared in the ANDEX newsletter.

DXer OF THE MONTH



An ideal spot for DXing!

This month we would like to introduce you to a young man who is a member of the U.S. Navy Hospital Corps and is currently serving with the U.S. Marines at Camp Lejeune, North Carolina, in the eastern part of the United States. Obviously, he is also an active DXer. Thomas Ray Mooningham has been interested in the shortwave hobby since the early 1960s. After joining the military his interest was interrupted for a few years, due to his many activities. When he was transferred to the 3rd Marine Division in Okinawa, he again started DXing. At that time he used a fifteen-year old Aiwa 3-band portable receiver.

Thomas is now back in the United States and finds he has time to spend two or three hours a day with his hobby. He still has the Aiwa portable receiver but this is now a standby. He has added two other receivers to his equipment. His main receivers now are a Realistic DX-160 and a National NC-46. During the past three years, and using a random-wire antenna, he has heard stations in more than thirty-nine countries and received QSL cards from

all of them. In all he has about two-hundred cards and twelve pennants in his collection. Many of these trophies can be seen on the wall above his listening post.

In addition to being a member of ANDEX, Thomas is on the membership rolls of the North American Short Wave Association, the BBC World Radio Club, and several other station-operated clubs. He is ANDEX member No. 2527. He joined our club in the early part of 1977. Other interests include stamp and coin collecting. He also has a valuable collection of old books with some dating back to 1833. These books range from old Bibles to story-book sets. He is a Registered Emergency Medical Technician. It would seem that all of these activities would keep Thomas busy, but another activity is attendance at the local junior college where he expects to obtain a degree in history.

Thomas is married and his wife's name is Tara. They have two small children, Teddy and Tracy. The family attends the local Southern Baptist Chapel. Thomas says, "I first heard HCJB back in 1967 when I was living in San Diego, California. As a very young man I paid no heed to what I was hearing. Now, as I have matured and experienced more of life, I feel more at ease and understand the mission of God's radio station, HCJB. I listen regularly now and enjoy it more each time." We wish Thomas Mooningham many more years of happy life with his family and his shortwave hobby!

NOTICE, PLEASE: Sam Barto's QSL Column was not available for publication at the deadline date. It is in the care of the U.S. Postal Service somewhere between Waterbury, CT and Levittown, PA. Sam mailed the column on January 16. On January 26 it had still not arrived.

DAVE VALKO
Box 155
Dunlo, PA
15930

DEADLINE is 12TH

FRENEX CREDITS

NEW EDITOR: Greg Bares
237 Colonial St.
Oakville, CT 06779



We had between 80 and 90 reporters for this month of February. Here's the reporters.

Carol & David ABBEY, Regina, Sask (DX-160)... Brian ALEXANDER, Mechanicsburg, PA (RF-4900, SX-190)... Donald R. BAKER, Millsboro, DE (RF-4900)... Raymond BAVERNBUER, Rosedale, NY... Ernie BEHR, Kenora, Ont (SPR-4)... Ed BERZONSKY, Elmora, PA (DX-160)... Paul BROUILLETTE, Sault Sainte Marie, MI (DX-160)... Caesar BRAGA, Fall River, MA (FRG-7, Astro 5)... James BRYAN, Stockton, CA (RF-4900)... Paul BURR, Miami, FL (SPR-4, FS-4)... Leslie BYRON, Laurelton, NY (Patrolman 9)... Michael CALDENWOOD, Denver, CO (FRG-7)... Brian CARTWRIGHT, Johnstown, PA (R-390) Brian is one of our regular Falklands listeners. James CLIFFORD, Lawton, OK (FRG-7)... Wheeler CONOVER, Manchester, KY (Admiral All-World) David CRAMFORD, Edgewater, FL (DX-160)... Vladimir CUCURA Jr., Reading, PA (FRG-7000)... Larry CUNNINGHAM, Columbus, OH (DX-300)... David D'ANGELO, Broomall, PA (RF-292, URR)... Larry DANK, Livingston, NJ (BCR-101)... William DAVENPORT, Nashville, TN (DX-160)... Michael DAYEN, Plymouth, MN (FRG-7, KRS)... Gary DIEKMAN, Parkersburg, IA (DX-160)... James DUNLAP, Slinger, WI (RF-2200)... Carl DURNAVICH, Harvey, IL... Kenneth EARHART, Allentown, PA (FRG-7, NDR-505)... Gene EASTMAN, Huntsville, TX (FRG-7)... Mike ELWOOD, St. Peter, MN... Marlin FIELD, Hillsdale, MI (SPR-4)... John M. FISHER, Chelmsford, MA... Robert FRASER, Cohasset, MA (XCR-30)... Charles GEORGE, Dallas, TX (SSR-1)... Michael GILCHRIST, Iowa City, IA (FRG-7000)... Sholom GLIKSMAN, Chicago, IL (RF-2800)... Maxfield GREENWOOD, Devon, PA (BCR-101)... Richard GREGORY, Erie, PA (DX-160)... Ivan GRISHIN, Toronto, Ont (FRG-7, XCR-30)... ? ? HASSELKUS, Maaume, OH... Baxter HENSLEY, El Paso, TX (SX-190, FRG-7)... Ruth HESCH, White Plains, NY (JVC FR-6600JW)... Emmett HOFFMANN, Collins 51S-1 in St. Louis, MO... C. Vernon HYSON, Plain City, OH... Kenny JOHNS, Jackson, TN (SX-190, FRG-7)... Douglas JOHNSON, Issaquah, WA (two R-388's, SP-600) Did you sell your SP-600, Douglas? ... Jack JONES, Jackson, MS... Rufus JORDAN, Pittsburgh, PA (Zenith Trans Oceanic)... Fred JOSEPH Jr., Gretna, LA (SW-717)... S.D. KLEIN, Gainesville, FL (DX-160)... Paul KOWALSKI, Milwaukee, WI (SX-190, RF-2900)... Editor Terry KRUEGER, Casselberry, FL (QR-666, NC-183)... Jeff KRUSZKA, Elyria, OH (GE H-634)... Dan LANG, Murrysville, PA (Nordmende Mesa 6606)... Jack LATTEMANN, Seattle, WA (RF-2800)... Jerry LINEBACK (Editor SWC), St. Joseph, IL (SPR-4)... Brett MARKER, Rockford, IL (CRF-320)... Scot MCCLELLAN, Battle Creek, MI (TFM*8000W)... Donald MCIVOR, Darien, CT (FRG-7)... Richard MCVICAR, Prescott, ONT (DX-160, R-392)... Richard MILLER Jr., Weirton, WV (RF-4800) Don MOORE, Bellefonte (Zion), PA (XCR-30)... David MOSIER, San Jose, CA (FRG-7)... Scott NELSON, Parshall, ND (HQ-100)... Frank ORCUTT, Alameda, CA (JVC FR-6600)... Jeff O'DONNELL, Mineral Point, PA (DX-160)... Bob OTTAWAY, Denver, CO (FRG-7000)... Tom OVERCAMP, Seneca, SC (FRG-7000)... Bob PADULA, Surrey Hills, Vic Australia (Marconi CR100)... Neal PERDUE, Falkville, AL (SX-100, SW-4A)... Stephen PORTER, Burlington, CT (RF-4900, DX-150A)... James POSPRELLIS, Troy, NJ... Martin POTTER, Limoges, Ont (R-4C, SB-310)... John PRATH, Fort Lauderdale, FL (FRG-7000, FRG-7, DX-160)... Ben RADCLIFF, Ottawa, IL (SW-4A, DX-40, SB-310)... Robert RANKIN, Lawrence, KS (FRG-7000)... Bill REYNOLDS, Amherst, NY (SW-4A, DX-40)... Paul ROUTENBURG, Ontario, (SX-190)... Editor Brett SAYLOR, Altoona, PA (DX-160) I didn't forget this time, Brett. Fred SCHUMACHER, Kindred, ND (RF-2200)... Dan SHEDDY, Cardiff, CA (FRG-7)... Richard SWANSON, Wellman, IA (DX-160)... William TAYLOR Jr., Unionville, PA... Glenn THOMPSON, Deming, NM (FRG-7)... Editor Dave VALKO, Dunlo, PA (DX-160)... David VRUGGINK, Hudsonville, MI (FRG-7)... Walter KUNZ, Dunmore, PA (FRG-7) Sorry, Walter, out of order... Terry WEINHOLD, Terre Hill, PA (FRG-7)... Doug WICKS, Mineral Point, PA (DX-160) I'm not going to ask, Doug! Hi!! ... John WILLIAMS, Bloomington, MN (R-4C, R-4B, SPR-4)... Robert YAJKO, Leechburg, PA (SPR-4, RF-2800)... Robert ZILMER, Milwaukee, WI (R-390A, SPR-4).

Well, that's a list of credits to the people who reported for this month.

Once again (for the third time) I managed to hear F.I.B.S. w/ some audio. The carrier left the air at exactly 0130 and 40 seconds. Here's two more loggings I found hiding at n shack for this month also.

- 4754 MALDIVES 1905-1321 Male, cmntry in unknown lang after IS, 1200-1220 lcl mx (name is Unknown)
9730 CLANDESTINE- Voice of the Egyptian People, 1950-2002* AR by CM and mx w/ ID as:
"Izaat Saut al-Shaab al-Misri" Martial NA Good (Crawford 12/16)

I apologize for not getting those two loggings on to the editors! Nice loggings too

Radio Televisora "ONDAS AZUAYAS" - Canal 5

H C 5 J C

Dave Dave

ANTENNAS/ACCESSORIES

EDITOR: Mike Agner c/o Delphi Associates 169 Merrimack St. 4th Floor
Lowell Ma 01853

Howdy all! It's long overdue, but I think it's time I dove into the mailbag and see what you've sent me. So without further ado....

Stu Klein Gainesville Fl

100 Kc xtal calibrator
patch box w/remote switch for a
tape recorder and a static filter
between the recorder and receiver
**what about this static filter, Stu?*

Don Dickey, Minneapolis Minn

2 Mosley SW7 dipoles- one mounted
SW-NE, the other oriented NW-SE.
homebrew antenna switch
SX59 preselector
inverted L (how long, don? mja)
**Don sent me a nice long letter with
some interesting old-time info- wish
I had the space to reproduce it. tnx
Don mja**

Neal A. Perdue, Falkville Al.

3/2 wave vee-beam cut for 60metres
set at 45 foot height
1/2 wave inverted v for the 60mb, also
at 45 foot
150 foot inverted L
SST T1 antenna tuner **Neal do you
still use the UWT? mja
48 foot ground plane for the 60mb
***Neal, that lineup has me jealous! By
the way, NAP is the former ed of this
very column. Hi NAP de MJA!***

Ralf Munster, Decatur Ga.

30 foot random wire **Ralf, what is
an inverted U? hi**mja
50 foot random wire
Harman Kardon cassette recorder #200
-0

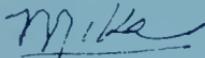
Andy Robins, Kalamazoo, Mich.

80 foot random wire abt 10-15 foot
above ground
DB20 US Navy preselector

John Mosman, Wheeling Ill.

Autek QF1A audio filter
MFJ SBF2 audio filter
HRS digital display **you mean
KRS, right?**mja
Codar PR40 preselector (who is Codar
John?) mja
RAK59 antenna tuner
50 foot random wire
Gotham V160 vertical (another stu-
pid question, hi- who is Gotham?) mja

Until Next time, 73s all!



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