

FRIENDS

RADIO PEKING



SERVICES)
 II=No. America
 IV=So. Ea. Asia;
 =No. & We. Africa;
 amalia; XI=Brazil;
 arope; XIV=Middle
 vi=Iran/Alghansian;
 y the season. T=Tirana

RADIO PEKING IF
 Target Areas: I=No. At
 (West); III=Australia/Ne
 V=So. Asia; VI=Ea. & S
 Europe; IX=Far
 in America; X=
 Africa; XV=
 Philippines;
 mentioned belo

1945, 15060, 15520, 17680
 8450, 11975, 11455, 11945,
 60, 15165, 15435, 17680

Shanghai
 01-0055 1
 00-0155 1

Radio Peking of the People's Republic of China broadcasts to various parts of the world in 38 foreign languages, in Standard Chinese and in the Hakka, Amoy, Chaochow and Kwangchow dialects.

Its programs include news, commentaries, talks and special features such as "Construction", "In the People's China", "Music

北京广播电台

北京广播电台是中华人民共和国对世界各地广播的电台。

北京广播电台目前使用三十八种外国语言及汉语普通话、客家话、厦门话、潮州话、

航空
PAR AVION
 印刷品
PRINTED MATTER

To Radio Peking
 Peking
 China

RECEPTION REPORT RADIO PEKING

I listened to your broadcast beamed to
 kiloHertz in the

Date	Time (local)	Time (GMT)	S	F



Welcome to 57 new NASWA members who have joined the ranks in time to receive the November issue of FRENCH. We hope they find their new association to be helpful.

ALOI, Gaetano, Syracuse, NY	LEITE, Stephen, Fall River, MA
ANTHONY, Anthony B., Tempe, AZ	LERNER, Paul, Mineola, NY
ARIDA, Shigeki, Wakayama, Japan	LYLES, H.G., Springfield, VA
BIGGERS, Eric H., Birmingham, AL	MCCOY, Randy, Utica, MI **
BLUNT, Maj. James H., APO, NY	MCCRACKEN, R.J., Indianapolis, IN
BODLE, James & Gwynne, Cawastoth, NY	MAUSTELLER, Steve A., San Jose, CA
BOHM, Ron, Minneapolis, MN	MINCHIN, Ray, Utica, NY
BRAMLET, Donald G., South Elgin, IL	MISENHIMER, Ron, Stockton, CA
BREED, David W., Willow Grove, PA	MOMAN, Don, Edmonton, Alta.
BRISCOE, Kenneth L., New Albany, IN	NEAL, Albert W., Brighton, MI
BROOKS, Robert P., Betterton, MD **	ORLOWSKI, Thomas P., Racine, WI
BROOKES, S.H., Keysville, VA	OSSEGE, Ted, Cincinnati, OH
BROWN, Gary S., Columbus, OH	PARISI, Robert, Northford, CT
COIL, Jeff, Grand Rapids, MI	PARSYCK, Joseph F., West Mifflin, PA
COLLINS, Ralph W., South Haven, MI	PIJACUN, Michael, Auckland, New Zealand
COOPER, Mike, Orlando, FL	POSPORELIS, James, Troy, NY
DAVIS, Tom, Cincinnati, OH	RADOJCIC, V., Mississauga, Ont.
DIEKMAN, Gary D., Parkersburg, IA	RATHSBURG, John M., Detroit, MI
DIETRICH, Paul H., Cleveland, TN	RECORDS, John A., Lagrange, OR
EAGAN, Patrick D., Lagrange, IL	RUST, Gene, Plano, TX **
FRANCIS, James, Flushing, NY	SCHENKER, Alan, Laramie, WY
GORDY, Becky, Kansas City, MO	SHANK, Jim, Albany, CA
GREENWOOD, W. Maxfield, Devon, PA	SMITH, Charles R., Fresno, CA
HARRINGTON, Francis, N.Grafton, MA	STECK, Richard, Lake Forest, IL
HASSELKUS, Chris, Maumee, OH	TOMASELLO, Philip A., Pittsburgh, PA **
HILLMER, Guy W., Toronto, Ont.	WEINBERGER, Oscar, New York, NY
HUTTON, Charles L., Decatur, GA	WIXON, James, Jr., Lake Station, IN
JACOBSON, James, Washington, DC	
JERGEL, Joe F., San Francisco, CA	** Welcome back to NASWA after a short absence!
LEBRYK, Thomas, Irvington, NJ **	

SOUTHERN CALIFORNIA DXERS WIN ANARC 1980 CONVENTION SITE VOTE, ANARC Club representatives have chosen the University of California at Irvine as the location for the 1980 Association of North American Radio Clubs (ANARC) convention to be held July 18, 19, and 20th, 1980.

Based on indications of interest already shown, DXers from all over North America, plus broadcasters and DXers from overseas, the ANARC convention committee chairman, Stewart MacKenzie, expects an attendance equal to that of the highly successful 1979 convention held in Minneapolis. It's too early to give details yet, but as things develop, they will be reported here.

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
DECEMBER, 1979

FRENDX LOG REPORT EDITORS NAMED: As announced in the October FRENDX, Dan Robinson, our LR-A section editor for Log Report indicated he would like to turn over his log report section to someone else as soon as a suitable replacement could be appointed. This issue of FRENDX will carry Dan's final column as an editor. As some already know, Dan is now working for the Voice of America in Washington, DC. We do wish him well in his new job, and we hope that he can continue to contribute to FRENDX in other ways in the future.

Starting with the January, 1980 issue of FRENDX, Terry Krueger of Casselberry, Florida will be the new LR-A editor. Terry has been a regular contributor to the FRENDX Log Report sections, and his DXpertise will assure that the excellent quality of that section will be continued in the future.

Another change in the editorial staff of FRENDX is that Terry Colgan of Austin, Texas will be the new LR-D editor for the Log Report section replacing Bob Brown who had been editor since October, 1978.

Bob Brown recently called HQ to apologize for the fact the LR-D section for the November FRENDX did not appear, and that this was due to circumstances beyond his control. He explained that he was having to do more traveling in connection with his work, and that there would be times that he would not have advance notice as to when he might be required to be away from home, so he felt it would be best for all concerned if he would step down as editor immediately.

Wesley Saylor, our LR-E editor volunteered to do the LR-D section for December in addition to his regular LR-E section. Fortunately, Terry Colgan was available to start with the January issue, so our problem was resolved with a minimum of difficulty.

We welcome both of our new editors to the FRENDX staff!

ANNUAL REMINDER: As mentioned in the two preceding issues of FRENDX, starting with January, 1980, membership rates in NASWA will increase slightly. Membership for persons in North America will be \$14.00 per year; \$22.00 for our European members, and those in Central and South America; \$24.00 for all other parts of the world. The mid month UPDATE will increase to \$3.50 for 12 issues mailed to North America, and \$5.00 all other areas by airmail.

We will accept renewals at the old rates, regardless of normal expiration dates, if those renewals are received at HQ by December 31, 1979. Renewals received after this date must be at the new rates.

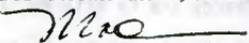
SPEAKER WANTED: The Joliet (Illinois) Amateur Radio Society (JARS) is looking for a qualified speaker to give a talk on the SWL hobby at one of their future regular meetings. They report that quite a bit of interest has been shown by their members in learning more about the SWL hobby as well as the equipment currently available.

They meet the first Tuesday of each month at St. Joseph Hospital in Joliet. They would be willing to reimburse reasonable travel expenses to someone who lives near the Joliet area who would be willing to give a presentation. Those interested can contact Art Hostert WD9HZF, 812 Regent St., New Lenox, IL 60451 for more details about this.

PERSONAL NOTE: It's hard to believe that this is the final FRENDX for 1979. It seems like it was just a few weeks ago that we were doing the January one. I guess when you're having fun, time flies!

Since this is the last issue for 1979, I would like to thank all members who have taken time to contribute to FRENDX/UD, because without those contributions, we would have nothing to offer. Also, a special thanks to all of our editors who have donated their time and efforts to make all of this happen.

We are looking forward to another good year for NASWA in 1980!


M.R. Leonhardt
Executive Director - NASWA

shortwave CENTER



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

DECEMBER 1979

DXing

WHEN DXING BECOMES A LOST ART

By Daniel A. Robinson, 4437 Sedgwick St. NW
Washington, DC 20016

(Note: This article first appeared in the now defunct ECDXA newsletter in 1978.)

After almost a decade of spinning the dials of numerous shortwave receivers, many DXers begin to think about how they have developed their listening talents over the years, how they have progressed to the level at which they now stand in the DXing world. To be sure, everyone has a different story to tell. All of us can bring back memories of past experiences and remember the feeling of sitting down at our first receiver, hearing the sounds of distant cultures drifting in through the speaker during a hot summer night or cold winter afternoon. After ten years of involvement with shortwave radio, I have begun to think about what the term DXer really means. It is a much misunderstood term, especially to those unfamiliar with the hobby. I shall not attempt to discuss the differences between DXer and SWL here, for that has been done already by others, and quite adequately in my opinion. What I will do here is engage in a little personal reminiscence, with the reader's permission.

Ten years may seem like a long time, but it's really little more than a drop in the resistor can compared to the time some people have spent listening to shortwave radio. And to explain to someone unfamiliar with this hobby, just exactly what it is we do and why, remains one of the most frustrating tasks I have yet run up against. So, just what is it that keeps us all at the dials (or digital displays), searching for radio signals for hundreds of hours each year? As a friend at the VOA told me the other day, "We have to keep up with what's happening. . ." This was from a person for whom international broadcasting is a profession. NASWA's membership is composed of people who work in many different professions and jobs, and they all no doubt have their own reasons for tuning in the world day after day. I can speak only for myself. I've been asking myself the question: Why have you stayed with this hobby for so long, and is it doing you any good at this point in your life? The answers I come up with are a bit disconcerting. After almost ten years as a DXer, I have begun to "cool off" so to speak. In fact, the process began for me quite some time ago. Without a doubt, this happens to many of us after sifting through enough QRM, UTE, and CW, and RTTY over the years. One thing is certain, however, and that is that DXing is no longer the passion it was for me in 1969 and 1970. As a newcomer to shortwave, there was a certain mystery to each station I tuned, and to be sure, a real challenge in tuning them.

As with many other present-day listeners, I started on an old receiver, circa 1930 which, as a result of its poor selectivity, held behind its plastic window many of the DX catches I so desperately wanted to add to my rapidly-growing collection. Back then, time was cheap - I spent up to 8 hours every day, and often the same number at night (burning the 'midnight oil chasing elusive low powered Angolan and Mozambique stations, Radio Fiji and Papuans. While other, more experienced DXers in NNRC and NASWA logged the rare ones I had to be content with catches of lesser magnitude. Soviet site logging wasn't as big in 1970 as it seems to be now. Stations were a pleasure to hear, from All India Radio to Radio Norway - they were truly a novelty, and back then I was as close to what could be defined as an SWL as I would ever be. Many stations that today literally smash through the ionosphere with powerful transmitters, were still challenging DX.

Today, it seems ever-so-strange to think back to the time when the Voice of Iran was a thrill to hear on 12176 kHz; to the time when the tingling excitement of hearing the North American Service of Radio Mali in English on 17725 kHz could hardly be matched; to the time when the English service from Kabul on 15265 was a daily item; or when stations like ELBC in Monrovia, Radio Rwanda and La Voix de la Revolution in Bujumbura were common loggings.

Well, no sour grapes. These stations weren't necessarily any better or worse than a Radio Sandino or Radio Mogadishu today. It isn't that I don't realize the various reasons why things are so much different today. The atmosphere goes through changes and determines what will or will not be heard from year to year, cycle to cycle, season to season. Station

power may increase, some go off the air permanently (i.e. Radio Gambia, Radio Fiji, etc.), others come on the air (UBC, TWR Swaziland, Bhutan, etc.). Yesterday's thousand watt DX catch goes off the air only to be replaced by another signal on the shortwave bands from a more or less exotic location.

The important thing here, and the point of this editorial is this: Time passes much too quickly, and before many of today's newer DXers/SWLs (overflowing with enthusiasm and yet-to-be-released DX talent) realize it, they will arrive at the stage where SOMETHING ELSE IS NEEDED to justify their further involvement and interest in shortwave listening as a hobby. Reception reporting becomes increasingly inconvenient and time-consuming (not to mention expensive), and other commitments become more important than sitting down at the good old radio for a few hours. Many persons enter this hobby as seemingly born-to-run DXers with innate abilities and rocket to the top of the country lists. Some begin as SWLs on old receivers and develop their talents to the point at which they might accurately be described as DX-workers. I suppose some "DX-psychoanalysts" would describe this as something akin to the social worker's "burnout." Indeed, it has happened to many former listeners who seem to have dropped out of the shortwave bulletins. For some, international broadcasting becomes a career ambition ("wouldn't it be wonderful to work for VoA or Radio Nederland. . .") as unrealistic or as unwise an impulse as that may be.

But here is the point I'd like to express most: With time, even the most enthusiastic of DXers begins to turn ever-so-slowly back to programming, to an appreciation of the medium itself and how it is used. One's interest becomes less a manifestation of the technical aspect of shortwave radio (wow, I still get a kick out of manipulating all those knobs on an HQ-180 and hearing all those far-away places), but rather, and more importantly, a representation of one's interest in using a shortwave receiver as a tool to improve oneself and others, as a special link to foreign cultures. That receiver, whether an old Hallicrafters or a Sony ICF-5900 progresses from a mere electro-mechanical tool to a character and culture-building tool.

My message to all newcomers to shortwave radio listening is this: Appreciate the initial fascination and exhilaration that comes with being new to the hobby. I can't go as far to say that ambition should be held in check. But this hobby should be pursued with the proper perspective in mind. It may sound as if I'm putting down the competitive nature of DXing -- I would be the last person to do that, in view of my own DX past. In short, the climb to the top is a very exciting experience, but IT'S NOT AS THRILLING ONCE YOU'RE THERE. . . at least that's the view from here. Lest you think I'd rather be collecting butterflies than tuning in and turning on to the world, I assure you that shortwave will always be No. 1 for me, regardless of where it does or doesn't take me.

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Antenna dB

WORKING WITH dB AND ANTENNA GAIN AND LOSS

by Ben Radcliff, 740 Tomahawk Dr., Ottawa, IL 61350

How many times has the novice DXer heard his more experienced friend casually mention that such and such antenna has 1.5 dB gain only to mumble under breath "that so. . . ?" or something equally uncommittal in response? How many read Chuck Rippe's excellent article on the Delta Loop and simply ignored the paragraph explaining the 1.2 dB gain? Unfortunately, probably a large percentage.

The sharper beginner to SWLing will take a look at his S-meter and remark that 1.2 dB isn't even readable, that a single dB wouldn't make the slightest difference in signal strength. Well, he is dead wrong. Lets examine what a dB really is: in communications a dB (sometimes and more accurately a dBm) is a ratio, approximately $1\frac{1}{2}$ to 1 (to be exact 1.259:1). Therefore the dB expresses an equivalent of the multiplication of ratios or gain factors.

Before anything else, we must determine whether the given gain is over the reference antenna (namely a standard $\frac{1}{2}$ -wave dipole). In most instances relative gain is given over the dipole, but sometimes it could be given over an isotropic or vertical (also known as a ground plane) antenna. Although it is rather complicated, a good rule of thumb is that an isotropic is -2 dB (2 dB loss) compared to a dipole and a vertical will be about -1.5 dB compared to the same dipole. In other words, an antenna with a 3 dB gain over a dipole will have 5 dB over a isotropic and 4.5 over a vertical.

Now that we have determined what the gain of our proposed antenna is over the standard,

we are ready to find out exactly how much that dB gain will affect our reception. Returning to the example of the Delta loop, what will 1.2 dB gain do to signal strength (QSA)?

We locate 1.2 dB on the table at the right (a	-2	.631
longer and more detailed table is given in the July 1979	-1	.794
issue of <u>Popular Electronics</u> , page 47). While it is	0	0.00
possible to interpolate between 1 and 2, for the purpose of	1	1.26
this discussion, lets say 1 dB gain. We see that 1 dB	2	1.58
is 1.26. That means if we switch from a $\frac{1}{2}$ -wave dipole	3	1.99
to the Delta loop, we would get the same effect (in signal	4	2.51
strength) as if the station we were listening to increased	5	3.16
its output power by 25%. For example, lets say we were tuned	8	6.31
to SRS on 4850 kHz. If we switch to the Delta loop, it will	10	10.00

have the same effect as if SRS increased its power from 10 to approximately 12.5 kW.

You can see that given enough gain you could work miracles. In practice, it is only possible to get about 12 dB gain and that using a big quad or beam antenna. While impractical on the tropical bands, anyone can construct a quad on frequencies as low as 19 meters (although it is probably easier to modify a commercially available 20 meter antenna). If you've got the guts to stand up to verbal assaults from your neighbors and sleep on the couch for a month when the XYL sees it, its possible to construct quads to frequencies as low as 49 meters (although the boom length on the monster is a not too pretty 84 feet).

As few of us are ready to stand up to this cruel and unusual punishment, we stick to wire antennas. As all ready said a Delta Loop will give 1.2 dB gain, a "V" (not inverted V) a minimum of 2 dB at 90 meters and a maximum of 5 dB at 10 meters, a $\frac{5}{8}$ wavelength vertical about 1 dB gain. The list is endless.

It is of course possible to have negative gain (-dB or simply loss) when constructing an antenna. For example, someone wrote a SWC article about a 60 meter dipole folded into a square. As he pointed out, this gave approximately 1 dB loss. This, as the table shows, would result, in so far as signal strength goes, as if such and such station reduced its power by 20%.

One last note: a dB is often defined as the "just noticeable difference." In other words, a dB is the minimum change in QSA that the human ear can detect, anything less goes unnoticed. Whether it is worth the trouble to construct a complicated antenna like the Delta Loop for such an increase in signal strength is open to debate and ultimately up to the prospective constructor.

DX-300

THE DX-300 SAGA -- EPILOGUE

by Larry Cunningham, 1360 Thornwood Place, Apt. C,
Columbus, Ohio 43212

In the June, 1979 issue of FRENDX was published an article of mine regarding my experiences with the Radio Shack DX-300 shortwave receiver. At the time that article was written, I was in possession of a functioning DX-300, after having gone through four previous samples which all had serious problems. In that article, I gave a mini-review of the receiver which, in general, gave a positive view of the DX-300.

In the ensuing months, I have gained considerably more experience with the radio, and more awareness of the problems with the set.

To bring the reader up to date:

In March of this year I finally obtained a DX-300 which did not exhibit the "free-running oscillator" first IF stage frequency readout problems encountered previously. Based principally on my experiences DXing the tropical bands, I was generally satisfied with the receiver's performance. However, in late summer I began concentrating more on the international bands (the 49 meter band and above). At about the same time, I resumed using my DX-160 as a back-up receiver, which had been pretty much ignored since my purchase of the DX-300.

It was then that I discovered the problems which remained with the DX-300 receiver. I had previously noted a tendency of the set to overload on the international bands. Particularly strong stations within the band (for example, Radio Canada International, in my area) not

only appeared at their actual frequencies, but pretty much throughout that band as well. When I attempted to dig out a weak station in the band, what I generally heard was spurious signals from strong stations elsewhere in the band. In addition, when I did manage to log a weak station, the audio was almost always distorted because of these weak but annoying spurious signals.

This problem was dramatically brought home by tuning in the same weak station with both my DX-300 and DX-160. My shack set-up allows me to make direct "A-B" comparisons between two sets using the same pair of headphones. When I tuned to the same weak station using both radios, and peaked each radio separately for that station, the results were depressing indeed! In the tropical bands (below the 49 meter band), the DX-300 did generally outperform the old DX-160. However, in the international bands, in almost every case the station came through clearer and with less audio distortion with the DX-160 than with the DX-300. Almost always, spurious signals degraded the tuned station's signal on the DX-300.

So, in late September, I once again took the DX-300 back to the shop. Rather than attempt to repair this sample, the Radio Shack manager gave me a brand new, "corrected and modified" sample. When I ran this (my sixth!) sample through the same comparative tests, exactly the same problems were found. In addition, for some reason, the frequency readout was off by a constant 2 kHz (approximately) in this sample!

"That's all I can stand, I can't stand no more!" Popeye once said. On 20 October, I returned this last sample to Radio Shack and obtained a refund. (Because I had purchased the original radio using my Master Charge, I was given a Master Charge credit slip.)

As a result of the experiences outlined above, I can no longer recommend the Radio Shack DX-300 receiver. It is obvious to me that, although Radio Shack has solved the initial severe problem with frequency tracking, the DX-300 still has other basic design problems which must be resolved.

I encourage other owners and past owners of the DX-300 to write me or, even better, write articles to their respective shortwave associations, about their experiences with the radio, whether these experiences be positive or negative. Because of my own history concerning the DX-300, I am most interested in learning whether my experiences are unique, or whether others share my views. (Ed. Note: See November FRENDEX)

P.S. A warning to others who may decide to obtain a refund for their DX-300: Whether you paid cash for the radio or used a charge card, the actual refund money may not be quick in coming. Even though I obtained a credit slip for Master Charge immediately, the Radio Shack manager has not yet (a week later) submitted that credit slip to the bank for processing. This means that the credit may not be added to my Master Charge account for quite some time, and therefore I won't be able to use the actual money until then.

KENWOOD R-1000 ANOTHER NEW RECEIVER - THE KENWOOD R-1000

Those of you discussed with the DX-300 (see above) may look forward to another new low priced shortwave receiver expected to be available in mid-November 1979. Rob Harrington and Bill Smith both sent information on the receiver.

The company advertising shows the receiver to be a Wadley-loop type receiver like the FRG-7000. The R-1000 has a fluorescent digital readout that doubles as a clock-timer at the flip of the switch. So you don't have to look at the clock if you don't want too. Tuning is similar to the FRG models. There is an RF attenuator and a tone control. The receiver has two ranges of selectivity on AM. Frequency coverage is 200 kHz to 30 MHz, with the usual AM-SSB-CW modes. A third narrower filter is used for SSB-CW. There is a built in noise blander and speaker. The usual connectors and switches are provided and the picture shows that the receiver has a rather nice appearance with the usual pseudomilitary styling. There is a recording output on the front panel.

Specifications however are not encouraging. AM sensitivity below 2 MHz is given as 50 uV and above 2 MHz as 5 uV (better SW receivers are rated at 1.0 to 1.5 uV above 2 MHz). On SSB the ratings above 2 MHz are a normal 0.5 uV. Image Ratio is more than 60 dB and IF rejection is more than 70 dB. Frequency stability is rated only as ± 2 kHz in the first 60 minutes and ± 300 Hz every 30 minutes thereafter (that's a lot compared to other similar receivers). Audio output is 1.5 W 10 percent distortion. Because of the quartz clock (that uses 60 Hz AC for its time base) the receiver can only be used on line voltage (like the FRG-7000).

Now the bad news. The AM wide filter is as wide as a barn door with 12 kHz at -6 dB and 25 kHz at -50 dB. This filter is provided "with emphasis on tonal quality." You sure will have tonal quality on two stations 5 kHz apart, both at the same time. The FRG-7000 comes with a stock 6 kHz filter, which was not adequate to separate strong stations 5 kHz apart as stated in my review of that receiver in the March 1979 FRENDX.

The AM narrow filter is rated at 6 kHz at -6 dB and 18 kHz at -50 dB. This may be adequate for general listening, but not adequate for DXing. Now the SSB filter is another story, rated at 2.7 kHz at -6 dB and 5 kHz at -60 dB. I hope the receiver can be modified to use that filter on AM or have a 4 kHz (or narrower) filter implant.

Bill Smith saw an R-1000 at the ARRL Southwestern Division Convention in Anaheim CA and was able to play with it for about an hour. He said, ". . . it needs the usual filter implant, but other than that, not too bad, and the noise blanker works - and well on power lines, auto ignition, and neon lights! Kenwood says it will be on the shelves in late November at \$499.95 retail."

Information on this receiver may be had from your local dealer or from Trio-Kenwood Communications, 1111 West Walnut Street, Compton, CA 90220.

Book Review

A REVIEW OF THE WORLD IN MY EARS by Arthur Cushen

by Ralf F. Munster 307 Adair St. #H-9
Decatur GA 30030

Spedded by airmail from half around the globe (at an additional cost of \$2.00) here is the eagerly waited book by Australasia's world famous radio personality. While not "over 240" pages long as advertised, but 204, it is beautifully printed, handsomely bound, and illustrated with over one hundred photographs and drawings. The text is organized in two parts of which the first one, going through page 63, covers in nine chapters the autobiographical data, and the second devotes ten chapters to shortwave plus one to medium wave. The first part is essentially the story of how a valiant man, born with poor sight, served his country through two wars primarily by instituting a prisoner of war monitoring service and after becoming totally blind in 1955, helped other handicapped individuals with the assistance of his wife and others, while making a living as a monitor and/or technical advisor initially for the BBC and Radio Canada, later also for the VoA, and more recently additionally for Radio Nederland, Vatican Radio, and Radio Sweden. Drawing on his specialized knowledge in shortwave reception, Mr. Cushen can boast of many a news scoop, particularly during the days when international communication was less developed than it is today. If others respond the same way as I did, they will find sections of this first part quite moving, largely by virtue of the plain manner in which Mr. Cushen describes aspects of a life characterized by unselfishly devoted service to others.

The second part of The World in my Ears deals with such standard topics as shortwave in general, receivers, antennas, GMT and the 24 hour clock, foreign languages, propagation, frequency allocation, interference, reporting, interval signals, and includes numerous tables pertaining to the Australasian sphere. While a great deal of the specialized material is unavoidably based on the author's QTH and unfortunately for a hardbound book will no doubt soon be out of date, some of it need not have been. Thus, for example, the "Metre Bands Service" for Region 3 is specified, but no mention is made of the other two regions and the differences between them. Similarly there are, with varying degrees of comprehensiveness, two great circle maps centered on the South Pole, but none for any other parts of the world. In short, substantial portions of this part will be of interest only to radio enthusiasts in Australasia.

Though the book is clearly intended primarily for beginners, there are some curious omissions. Most regrettable of these is the total absence of any bibliography whatsoever and while the "World Radio and Television Handbook" is mentioned a couple of times, no other data about it are (e.g. the name of its editor, that it is an annual, where it is published, etc.). Similarly, while it is understandable that the author lists only DX Clubs in Australia and New Zealand, it would have been a simple matter to refer the reader to the rather complete listing in the WRTH. Perhaps even more surprising, especially for an author who is himself handicapped, is the total omission of any reference to the numerous cassettes with ISS, IDs, language characteristics, etc. issued particularly by organizations for the handicapped, foremost the Canadian Handicapped Aid Program (CHAP). In my estimation any newly published book on SWL should also include a reference to the Review of International Broadcasting, edited and published by Glenn Hauser, that is now in its third year, if not also his "Listeners Notebook," regularly comprising between a dozen and sixteen pages in

RENDX. There also appear to have been some slipups between the manuscript stage of the book and its final production in that the table of contents lists for Chapter 10 of Part Two sections on "Addresses of Principal Shortwave Stations" and "Abbreviations of Major Broadcasting Organizations" but no such sections are to be found in that chapter. There is, however, both in the table of contents and at the end of Chapter 8, a listing of "International Broadcasting Symbols" that includes abbreviations for countries and a few shortwave broadcasting organizations.

Finally, there are some assertions in the text that at least would appear to be open to question. Thus Mr. Cushen holds with respect to the SINPO code "that the last figure must be equal to the lowest figure used in the group" but while it may be exceptional for the overall" to rate higher than the lowest of the other factors, what would be the point of including "overall" at all if it always equalled the lowest factor? And while it is apparently the case that the broadcasters for whom Mr. Cushen monitors have gone over to the SIO code, it would be regrettable for DXers to jump to the conclusion that all of them have in that at least one international broadcaster asks its official monitors to report in terms of SINFM0 substituting Fading for Propagation and inserting Modulation) while for other purposes including even "J" for jamming.

In short, for a volume that has been internationally publicized, the Second Part of The World in my Ears in certain respects has an undue regional emphasis and needs to be used by beginners with a measure of caution. For many, though, its numerous illustrations and Part One may well be worth the price of admission to a beautifully produced book that is remarkably free of typographical errors.

The book is available from Arthur Cushen, 212 Earn St., Enwood, Invercargill, New Zealand, for \$13.95.

Drake R-7

THE DRAKE R-7/DR-7: A HANDS-ON REVIEW

by Jerry A. Lineback, editor of Shortwave Center

I have recently had the opportunity to examine the new Drake R-7/DR-7 synthesized general coverage receiver and to compare it to the Drake SPR-4. The specifications for the R-7 were reviewed by Bill Whitacre in the July 1979 SWC. I refer you to that article for details. I will discuss only certain operational features and results of tests here.

All radios are compromises between electronic practicality, economics, and the uses to which the designer intends it to be put. The R-7 is no exception. Those looking for the perfect DX machine or the elusive "ULTIMATE" receiver may continue to be disappointed, but there is no question that the R-7/DR-7 is a vast improvement over most other receivers that are currently available to DXers today.

Let us be frank from the start. The R-7 is a ham receiver. It is designed for use with the Drake TR-7 transceiver and a number of the available accessories (i.e. the AUX-7 board, the counter, antenna splitter, back panel connectors, etc.) are for ham applications and partially result in the high cost of the receiver.

DX-applications require the DR-7 digital readout, general coverage board and a brace of filters. Gilfer Associates, Box 239, Park Ridge, NJ 07656 (phone 201-391-7887) is selling the R-7/DR-7 general coverage model receiver with the 6, 4, 2.3, 1.8, and 0.5 kHz filters for \$1500 plus shipping. They also rearrange the filters in a logical descending order.

GENERAL COMMENTS

The Drake R-7/DR-7 is not just a super FRG nor even a super SPR-4. It is rather unconventional and in some aspects of its operation most similar to the old R-4B model. The R-7 reverses the unfortunate recent trend in receivers by reviving the old concept that each variable in a receiver should be independently controlled by the operator. Therefore the AM-BFO, AGC decay rate, and bandwidth are under separate control. In addition the passband filter can be continuously tuned so that the operator can not only select USB or LSB, but can tune to that part of the selected sideband that provides best reception and the special synchrophase AM detector will provide undistorted audio. All this without the BFO and in any bandwidth. Exalted carrier is also possible, but less necessary, with the R-7. Using the 2.3 or 1.8 kHz filters with the BFO, the RIT control serves as a clarifier or fine tuner to tune in the station. There is no frequency offset of the display in any of the above operations. For added versatility there is also a notch filter.

The front end contains a high level, double balanced mixer and 48 MHz "up converted" first IF for superior general coverage, overload protection, and no need for a preselector. There is a 10 dB broadband preamplifier for use above 1.5 MHz.

I quickly adapted to the R-7 and found it easy to use and easy to exploit the advantages allowed by the variable selectivity and passband tuning.

SENSITIVITY

The design of the R-7 provided a rated sensitivity of 2 uV on the shortwave bands with the preamp off and 1.2 uV with it on, yet provides maximum image rejection and strong signal handling performance. It is as good as or better than the SPR-4 without the spurs and images that require careful pre-selector tuning to eliminate on the older receiver. I have not yet noted any problem with overloading, images or spurs on the R-7. However, Larry Brookwell reports that local broadcast band signals may enter the R-7 when it is located near a transmitter. Since I am 10 miles from the nearest 1 kW station, I have had no problem.

SELECTIVITY

Certain DXers, myself included, are constantly carping about the broad selectivity of unmodified general coverage receivers such as the FRG-7, 7000, DX-300, and R-1000 (see article this SWC). I have discussed selectivity in the December 1978 SWC and in my review of the FRG-7000 in the March 1979 SWC. As mentioned in those articles, probably the most important aspect of selectivity filters is their shape factor. Most filters included in popularly priced receivers are like those found in the FRG-7000 (6 and 14 kHz) or the R-1000 (6 and 18 kHz). In these, the 6 kHz width looks nice, but the -60 dB bandwidth is really the most important figure for rejecting strong signal interference found in the short wave bands today. The Drake 6 kHz filter provides a 12 kHz bandwidth at -60 dB for a fine 1:2 ratio. But in actual practice, even the Drake 6 kHz filter is too wide to reject most adjacent channel interference and finds its chief utility in providing better audio on uninterfered stations. The 4 kHz filter (8 kHz at -60 dB) is most useful for general listening and band scanning. Tuning with this filter and similar filters on other radios, indicates strongly to me that a good 4 kHz filter is the maximum acceptable bandwidth for tuning the shortwave bands. The 2.3 kHz filter (4.2 kHz at -60 dB) is useful for severe interference and for SSB reception. Audio clipping is noticeable at the narrower bandwidths but the audio is still quite listenable, even with the 2.3 kHz filter.

Note that with the passband tuning you can tune upper or lower sideband independently to eliminate interference. This works well with the 4 kHz filter while at the same time extending the frequency range of the audio since each sideband of an AM signal has the same information. Using the 4 kHz filter and tuning to the least interfered sideband, the Drake R-7 will have an audio response of about 3000 Hz, providing good sounding audio on music or voice. It works.

As with my review of the FRG-7000, I tested the R-7 against the SPR-4 and Panasonic RF-2800 under operational conditions. Since the new tests produced the same results for the RF-2800 and SPR-4, I include the results of my previous tests of the FRG-7000 for comparison.

1. Signal attenuation: How many kHz away from the carrier frequency do you have to tune before you notice significant attenuation of an uninterfered strong AM signal on the shortwave (49 metre) bands?

R-7: 6 kHz filter	3.5 kHz	FRG-7000: 6 kHz filter	5 kHz*
4	2.0	3 kHz ceramic	1.5
2.3	1.2	2.9 mechanical	1.5
1.8	0.7		

SPR-4: 5 kHz filter	3 kHz	RF-2800 Wide	5 kHz
		Narrow	3.5

2. Station separation: Two strong stations on 49 metre band 5 kHz apart, tune one or the other carrier frequencies, how much interference from the other station is heard?

SPR-4: 5 kHz filter, separate with a little interference

RF-2800: Wide, separate with a fair amount of interference
Narrow, separate with a little interference

R-7: 6 kHz, separate with some interference

R-7 cont: 4 kHz, separate with little interference
2.3 kHz, separate with little interference
1.8 kHz, separate with little interference

FRG-7000: 6 kHz, no separation, sidebands mix and both stations heard *
3 kHz, separate with little interference
2.9 kHz, separate with little interference

Locating the weak ones: A weak signal is heard on 9740 with strong stations 5 kHz above
below. How well can you hear the weak station.

SPR-4: 5 kHz, separate with a little interference from adjacent stations

RF-2800: Wide, overwhelmed by 9745, weak station not heard
Narrow, weak station heard with lots of interference

R-7: 6 kHz, separate with some interference from strong stations
4 kHz, separate with a little interference
2.3 kHz, separate with little interference
1.8 kHz, separate with little interference

FRG-7000: 6 kHz, no separation, only adjacent stations mixing *
3 kHz, separate with a little interference
2.9 kHz, separate with a little interference

Note: No filter or tuning mechanism can remove all interference in this case of severe
band overlap.

*FRG-7000 results from previous tests under same conditions but different stations

TOMATIC GAIN CONTROL

The AGC has 4 positions with 1 millisecond attack time and Slow (2 sec), medium (400 msec),
(75 msec) release times and off. The RF gain must be reduced to avoid distortion
if the AGC is in the fast or off position. Medium is the normal setting.

TUNING

Tuning is accomplished by setting the band switch to one of 10 positions (0-.5, .5-1.5,
1.5-2, 2-3, 3-4.5, 4.5-7, 7-10, 10-15, 15-22, 22-30 MHz). There is no further preselection
needed. The main tuning dial tunes a 500 kHz wide section (actually 850 kHz with 70 kHz
overlap at the top and 280 kHz at the bottom) within the range set on the band selector.
The bands containing more than 500 kHz, a push of a button raises or lowers the frequency
500 kHz. With this system tuning is slow, but not much slower than on the SPR-4 or
other receivers requiring constant readjustment of a preselector. Readout is by red LEDs
and is to 100 Hz. It seems accurate to + 100 Hz across the dial. The 100 Hz digit does not
cause much distraction and a careful nudge of the dial can prevent flickering.
Tuning is found to be relatively easy, if a little slow.

The receiver will drift several hundred hertz during warm-up, but will stabilize
thereafter. You probably would not be aware of it if it were not for the 100 Hz digit.

DIAGNOSIS AND OTHER OBSERVATIONS

There is a recording jack in the back than can also be used to send audio to an external
amplifier and an external speaker jack. The internal speaker, like the SPR-4, is adequate
for voice but good music requires external speakers. Overall the audio is no better than
the SPR-4 and the two receivers share many characteristics. The R-7 can be used on 13.8 VDC
with an input in back that also serves as an output for the same voltage for powering accessories
when the receiver is used on line voltage.

The receiver also has provision for switching between three antennas or two antennas and
second receiver. There is a (unnecessary) built in 25 kHz calibrator which sends out
various signals when used. The noise blanker is not yet available from Drake.

GENERAL OBSERVATIONS

The variable selectivity, passband tuning, and general flexibility of the R-7/DR-7
actually fits the needs of DXers long frustrated by the programmed tuning and poor selectivity
of the Yaesu, Realistic, and Panasonic receivers. The ability to handle strong signals
without significant spurs and images, and the overall quality of the Drake receiver are

outstanding.

The major disadvantage of the receiver is the high cost in part due to ham accessories not needed by the DXer. Also, the parts density is very high in this receiver and reliability may be a long term problem.

Overall, ignoring the unneeded items put on the receiver for ham applications, it is just what the DXer ordered. In my opinion, for the DXer who likes radios, it will be worth a lot more than a FRG-7000, modified or unmodified, and it offers many advantages over the SPR-4. Whether it is worth \$900 more than these receivers is another question, but it is what you will have to pay to find out.

The above review is based on only a short period of use and should be considered preliminary. Your SWC editor solicits other opinions and data on this new receiver.

CKFX

"SUPER COUNTRY" CKFX/CKWX

by Chris Leithner, 420 Davis Dr., Brentwood, TN 37017

Broadcasting from Vancouver, on Canada's Pacific coast, is a station that has caused quite a commotion among DXers during the past year. This station is CKFX, which carries the same program material as its MW sister station, CKWX. CKFX uses 6080 kHz.

CKFX went on the air in 1947, when CKWX was only 5 kW output. Its purpose was to supply news, weather reports, entertainment, etc. to the north coastal parts of British Columbia, chiefly to battery operated radios in fishing villages, mining and lumber camps. Since CK is now 50 kW in output power (since 1956) these areas are effectively served by the standard broadcast outlet; but CKFX has been 'left running.'

The transmitter power output is 10 watts, measured at the base of the antennae. It is naturally crystal controlled and in the final has a pair of 807's in class B modulating a single 807 class C. It was built by the engineering staff.

There is nothing fancy about this installation. It employs no unusual circuits or tricky antennas. The station has no plans to increase its power and, quite honestly, has no idea what audience it serves.

The 50,000 watt frequency of 1130 kHz is a 1B and relatively clear channel and apparently is used by radio clubs to determine the authenticity of their pickup of the 10 watt CKFX or 6080 kHz.

CKFX may be heard from about 0800 GMT until about local sunup. If you are lucky enough to hear the station, send a reception report to: CKWX Radio Limited
1275 Burrard Street
Vancouver, B.C. CANADA V6Z 1Z8

I would like to thank Jack Wiebe, Engineer at the station, who provided me with the information appearing in this article.

Cable TV

CAUTION: DO NOT USE CABLE TV FOR AN ANTENNA

by Bill Smith 145 Deryl St., Eunice, LA 70535

On page 10, September 1979 FRENDX, appeared an article suggesting use of Cable TV for a make-shift antenna. As a Cable TV manager and engineer, I do not recommend this practice for the following reasons: 1) interference potential, 2) lightning hazard, 3) shock hazard, 4) legal.

As to the potential of causing interference, connecting your shortwave radio into a cable system could cause signals generated within the television set to be fed into your receiver such as those from the color oscillator and similar, as well as signals generated inside the shortwave receiver to be fed back into your own television set and those of many others causing interference.

Next, lightning hazard. If you connect the TV cable to your shortwave receiver as outlined in the September article, the cable will NOT provide an antenna as good as a very short piece of wire. This is due to technical composition of a properly operating cable

ystem and is beyond the scope of this article. You could use the shield of the TV cable
 re connected to the receiver as a longwire antenna of sorts, but you would be violating
 l four points of this article. The lightning hazard is real. I have seen lightning
 ravel more than 8,200 feet down the shield of a cable system. Damage to the cable system
 is unbelievable, but there was no damage to any customer's TV set or home because the cable
 as used for the intended and designed purpose. The potential for a fire had the cable
 ystem been used for a shortwave antenna as I described just above is severe. Do not expose
 ou, your family, your home, or equipment to this hazard. It is doubtful your insurance
 mpany would pay a claim in cases such as this.

Point three, shock hazard. I have seen several cases where there existed a difference
 ground potential on cable TV lines. While rare, there may be up to 60 volts and while
 his is low voltage, it isn't the voltage that tingles, rather the current, and even the
 ost experienced lineman has been jolted.

Fourth, the legal question. In many states it is illegal to make any unauthorized
 onnection to a TV cable system, just as it is to make connections to the telephone or power
 ystem. The law varies from state-to-state, but where the law exists it may provide
 or stiff fines and in some cases, prison sentences.

A cable television system, providing the intended service is many times more safe than
 ny outside television antenna, but defeated can lead to problems.

THIS & THAT

We suggest that those who prepare equipment reviews
 for Shortwave Center also send a copy to the ANARC
 DX Equipment Committee, Harold T. Sellers, 3 Camrose
 Crescent, Scarborough, Ontario, CANADA M1L 2B5. Your
 editor sent a copy of his R-7 review. This information

will be distributed to all member clubs.

Via the ANARC DX Equipment Committee and Rob Harrington, we have learned that
 chlumberger has sold its interest in Heathkit to the Zenith Radio Corporation.

Via ANARC also we have learned that the drift problems on the Panasonic RF-2900 may be
 limited to certain production runs or to one run. Several DXers have written (Don Dickey for
 example) saying that their RF-2900s are stable after warm up.

Friendly sources suggest that DX-300 owners might get better results if they turned
 their RF-gain control down to 5 and did not attach the exterior antenna until after a
 station is tuned to prevent overload of the front end. The following is on page 9 of the
 DX-300 manual. "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 reception effects.
 For example, long wires of 50 feet (15 m) or more connected to either of the ANTeNna terminals
 can deliver a very high RF signal to the back of the set. The result is a tendency to
 overload the input and you tune spurious responses." There it is in black and white! They
 suggest a shorter antenna or to use the built-in antenna, readjusting the MHz knob, using
 the ATTEN (has no effect is the screw terminals are used), turning down the RF gain, and
 making sure the preselector is properly tuned. "An improper setting of the Preselector
 may result in false signal tuning. Proper setting and tuning
 of Preselector will help to eliminate crossband reception problems."
 Also under operation of the RF gain control they say, "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."

We suggest reading the manual and trying to reduce the RF
 input to the DX-300 before owners despair and take the
 receiver back for refund.

Thanks to our contributors this month. We appreciate
 your input. More new receivers next month and probably
 more on the DX-300. 73s till then.

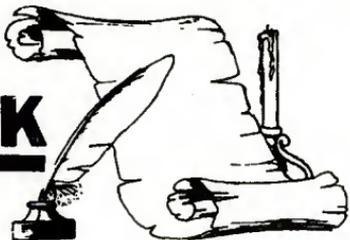
The Linebacks

WARM GREETINGS
 AND BEST WISHES
 FOR A

Merry
 Christmas

AND
 A VERY HAPPY
 NEW YEAR

Listeners NOTEBOOK



GLENN HAUSER
University Radio WUOT
Knoxville, TN 37916

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ENGLISH SCHEDULES **ALGERIA** Since winter time resumed 26/10, R. Algiers' EG is an hour later, at 2100-2130; on 31/10 the SW freqs were 11810 11614.5 9610 7245 7195 (WBI 1/11) New time also noted: 3/11 on 11810 // 11630 (Bob Padula, Victoria) 5/11 on 11615, announcing 7145 9610 11740 (Scott McClellan, Battle Creek MI) 30/10 on 11615 // stronger 9610 (Bill Whitacre, MI) On 9610 (Jim Conrad, IA) 7/11 11615 fair, 9610 clobbered, announcing 7195 9610 11730(?) (Conrad Richardson, VA)

ANDORRA (Cf Nov LN-2) AWR via R. Andorra 6215 does have EG Tue & Sat 2030-2100, in addition to daily 2000-2030 (Miki Včelář, RSA, via Steve Webster, RCI DX Digest 11/11)

ANGOLA RNA EG at 1130 on 7245 9535 11955 is 15-20 mins, not 30 (R. Ginbey, RSA, RNDXJB 8/11)

AUSTRIA ORF initial D79: 0830-0900 6155 15410 21640 21735. 1230-1300 6155 9770 17860 217. 1830-1900 6155 15225 15560 21740. 0130-0200 & 0330-0400 5945 & 9770. 0430-0500 15260 177. (ORF) I note that while they have 4 xmtrs, only 3 fqs are on the air (1 for Spanish, etc.) at 2300-0400, and only 2 at 0400-0500. I wonder whether this means they are now, as had been planned, paralleling two on 1 frequency for double power, or if one or two are going to was when they could well benefit from additional clear frequencies (gh)

BANGLADESH R. Bangladesh D79: 0445-0515 15400 17890 21685. 1230-1300 15285 21670. 1815-1915 11765 15285 (via Bill Matthews, Columbus OH) Fqs usually vary a few kHz (gh)

BULGARIA R. Sofia initial D79 (actually started 2 weeks early, and likely just transition pending further changes for deepest winter): 2130-2200 9765 9665. 0000-0100 9705. 0430-0500 9765, per anmt at 2130 26/10 (gh)

BHUTAN LN-14

CANADA Despite published sked, and on-air anmts, RCI Mon-Fri "As It Happens" preceded by "World @ Six" simulcast (not, strictly speaking, a relay!) 2200-2300 nominally for Europe but hrd as well in USA, remained on 15325 in addition to 25, 31 and 49m channels (gh)

CHINA R. Peking 1200-1255 to ENAM switched down to 9820 from 15520 late Oct (gh)

CUBA The Blobmitter, RMWS via Havana, first noted on 6115 25/10 1900 with OC; 26/10 RMWS relayed at same time, while weaker 6155 parallel this day only. Since 27/10, 6115 on past 02 with clear audio, obviously not The Blob and maybe a new xmtr. Gosh, if I belonged to the Politburo, I'd have funded for a replacement xmtr (Terry L. Krueger, FL) I beg to differ; sounds the same to me, tho weaker; new sked seems to be 1100(?) - 1500 on 9600; 1530-2200 on 11860; 0000-0500 on 6115 (gh)

ECUADOR HCJB's new 11910 looked ill-fated as Nov London Calling still put BBC there to 0230; however they left it for 9510, but Budapest didn't (gh) On 17885, ex-17890 at 2130 5/11 (Conrad Richardson, Lynchburg VA)

ETHIOPIA VORE EG at 1800-1845 hrd on the old fq of 9615 (Ralf Kux, W. Germany, SCDX 23/10) Well, sked mailed 2/11 from A.A. shows EG still at 1500-1600 (1800-1900 local), with 9610 replaced by 9560 (via Jean-Jacques Bloch, Gaithersburg MD)

FINLAND R. Finland is suspending xmsns for one week beginning 4/11 for antenna maintenance affecting only the 100 kW + curtain array, on 15400 at 1300 & 1430, and 9575 at 0330 as far as NAM is concerned. 9575 suffers from RAI Russian service QRM (Richard Varron, NJ) Well, I was still hearing them on 15400 during this period, even announcing 9645 would replace 9575 at 0330 as of 7/11; however one day the following week, 15400 was inaudible, so they may have wisely waited a week till they were 'established' on their regular channel for D79 (gh) 11755 to ME at 0330 is well heard here (Richard Varron, NJ) Not here (gh)

FRANCE Per D79 sked, EG at 1700-1800 is on 11845 15300 15360 15425 17795 17850 17860 21580 21620 21675 (World Radio-TV Handbook Newsletter 11/79, hereafter NL) Check here on 13 and m channels; rest inaudible (gh) more, LN-4

GERMANY EAST Latest RBI Journal sets different spans for Eu and elsewhere EG skeds; for Eu 1/10/79-31/3/80: in 'local time' which ought to be GMT: 1615 7185 9730. 1745 6115 7185 6080. 1915 6115 7185 6080. 2030 7260. 2130 6115 6080. To other areas, 11/79-5/80: Af 0445 11960 9500. 1315 17755. 1800 21500 15145 15170. 2000 15140 15390. NE/S. Arabia 1415 9730 11700 15240 15285. SEAs 0645 17700 21465 15100. 1200 15115 17880 21465 21540. 1400 17880 21465 21540. 1530 17880 21465. Nam 0100 9730 11975. 0230 9730 11975. 0330 5955 11975 11890(gh)

GREECE EPT D79: Au 0915-0925 9760 9655. Japan 1015-1030 11845 5995. 1215-1230 Nam 17710 15125 11730. Nam 1515-1530 17710 15125 11730 (last two, not Tuesday--would somebody please explain what else they're doing with these fqs/xmtrs on Tuesdays?!). Saf 1815-1830 17830 15345 11925 (first two, not Tue). 1920-1930 Eu 9530 7205 7125. Au 2115-2130 9760 9640 7205. SAm 2245-2300 9615 5970. Nam 0015-0025 11730 9655 9515. 0215-0230 11730 9650 9515 (WBI Nov)

GUAM KIWR D79: 0000-0130 17770. 0815-0930 11840. 1430-1500 15350 (NL) 17770 confirmed

GUATEMALA R. Cultural sked tfn: EG Mon-Sat 0300-0430. Sun 0030-0430; all on 730, (Padula) 5955, 9505, 3300 (via Charles Kristan, Delmont PA) I'll bet those aren't GMT dates, and that it's really Tue-Sun 0300-0430, and Mon 0030-0430 (gh)

HAITI 4VEH EG sked is Sun-Fri 1100-1400; Sat 1100-1300; /daily?/ 2300-2400, on 11835 9770 and 1035, as of August (Charles Kristan, Delmont PA) see LN-12!

India: The latest available schedule of All India Radio shows English as follows: 2245-0115(V) on 7215/9535/11770/15110 & (VI) on 9715/11815/15335, 1000-1100(VI) on 15350/17387/21695 & (VII) on 11935/15205/17875, 1330-1500(V) on 11810/15335, 1800-2000(VIII) (ex. 1745-1945) on 9715/15190(B), 1745-2230(X) on 11620/15165, 1945-2045(IX) on 9755/11865, 1945-2230(X) on 9912, 2045-2230(VII) on 9535/11755. Home News in

English is aired as follows: 0030-0035 on 3925/7120, 0240-0250 on Delhi 6045/7290/9565/9715/11765/11835/15310 and regionals 0830-0840 on Delhi 7140/9630/9705/11735/11850/15180/15235/17705 and regionals, 0850-0915 on Delhi 7140/9630/9705/11735/11850/15180/15235/17705 and regionals, 1135-1140 on Delhi 6050/7140/9675/9705/11725/11855/15250/17870 and regionals, 1230-1235 on Delhi 3905/6120/7280/9510/11620/11855/15275 and regionals, 1430-1435(sport) on Delhi 3255/3925/4860/6145/7280/7195/7412/9565/9950/10335, 1530-1545 on Delhi 3255/3925/4860/6145/7195/7280/7412/9565/9950/10335 and regionals, 1730-1735 on 3255/3925/4860/6145/7195/9950. (NL)

ISRAEL VOI D79, beginning 11/11, anticipated as of 5/11; main fqs in Nam: 0500 11637.5 and 9815. 1200 25640 17605 17560, also on 21495 11620. 2000 7412.5 9815 11655. 2230 7412.5 9815 11637.5 11655 15300 (Larry Magne, IBA, PA)

ITALY RAI D79: GB 1935-1955 9575 7290 7275. NE 2025-2045 11800 9575 7290. Japan 2200-2225 11800 9710 5990. Nam 0100-0120 11800 9575. ME 0350-0410 15330 11905 9710. Medit 0425 -0440 7275 6075 (RAI)

JAPAN R. Japan regional svcs D79 differing from WRTH 79: 0130-0230 15235 ex-15195. 0800-0830 17710 21610. 2015-2045 9605 11950. General svc (EG nx on the hour) Eu/Ams/As fqs now: 0100-0415 9585 17755 17880. 0500-0515 9585 15270 17880. 0600-0715 17795 15270 17880. 0800-0915 17795 9505 15195. 1000-1115 9585 9505 15195. 1200-1815 9585 9505 11815. 1900-2115 9585 15270 11815. 2200-2415 9585 17755 15195 (NL) see also PORTUGAL LN-3

LEBANON R. Lebanon at 0230 to Nam is no longer on 15440; not sure where they've gone (Steve Webster, RCI DX Digest 11/11) Same here (gh)

MAURITANIA Nouakchott in EG on 4845 at 1908 30/9 (Steve Calver, London, WDXC ENS) WRTH sked 1900-1930, a bit too early to be of use in Nam (gh)

MONACO Went looking for TWR on 9610 at 0725 as per NL, 11/11, hrd only RMWS (Ralf Munster, GA) That's the official sked, but God permits them to continue using 9495, hrd here (gh)

MONGOLIA Ulan Bator ES in EG (not Sun): 1220-1250 SEAs/FE 12070=announced but not confirmed and on 9574 /also given as 9754 on same page -gh/; 1715-1745 not confirmed on any fq (WBI Oct)

NORWAY (Cf Oct LN-2) NRK final D79 same as given except: 1600 not on 15345. 1800 ditto. 0400 6185, not 11850 5965 (gh) OMAN LN-5 NEPAL LN-14

PAPUA NIUGINI NBC sked daily 1927-1400 on 3925 4890 9520 9575, 10 kW; EG 95% of the time (Charles Kristan, PA) Doubt all 4 fqs used at once; see WRTHVH (gh)

PERU "Spectrum '79" is the name of a radio program put on the air by Linda Thompson, an American who has been resident in Lima for about 18 months. It is an international news program in English, which runs every Monday to Friday at 8:30 p.m. Tune in to Radio Pacifico, 64 am, or 104 fm (inID clipping via Kevin L. Meyer, Lima, who adds:) also 9675 kHz, at 0130-0200 GMT /Tue-Sat/.

PHILIPPINES Final D79 FEBC sked: 2300-0100 11890 280°. 2300-2400 15450 240°. 2300-0500 21515 150°. 0000-0100 17810 150°. 0100-0500 15305/17810 280°. 0800-1000 11765 150/330°. 1245-1600 15440 280° (NL) Check, 21515 opening earlier now, EG 2300- as of 5/11 (Bob Padula)

PORTUGAL RFE weekly Fri 2050-2100 EG Commentary disappeared from 15420 in mid-Oct (gh) 26/10 now on 15255 at 2145-2200 Fri (Bob Padula, ADXN) D79 sked Fri 2150-2200 on 11770 100 kW from Gloria, 52°. Hrd OK 9/11, but on 16/11 badly mixed + under Nigeria; no jamming, anyway! (gh)

R. Portugal for D79 at 0300 & 0500 to Nam has changed 1935 to 11925 (NL, gh, Steve Webster, RCI DX Digest 11/11) That ought to clear 1935 for Iraq, if still there (gh)

R. Japan via Sines D79: 0700-0715 on 15130; 2200-2215 on 11735 (WBI 18/10) 11735 confirmed here; I heard a report somewhere that 0700 really hadn't changed from 17815 (gh)

SEYCHELLES FEBA at 0700-0800 on new 11715 (Alok Das Gupta, India, RA DX 4/11) This apparently outdated by the following (gh) FEBA D79: 0405-0450 11805. 0700-0800 15160. 1520-1630 on 11860 & 15325 (NL)

SPAIN SFR D79 to Nam 0005-0155 & 0515-0615 still on Noblejas 290° 11880 & 9630; but at 0515 0615 additionally on 6065, same facilities. To Eu 2010-2200 30° Arganda 11840 & 9685; 2110-2200 also on 7105, same facilities (REE DX Section) 6065 confirmed here (gh)

SWAZILAND TWR Manzini D79: 0430-0630 5055 9640. 0645-0835 7195 11910. 1200-1415 7195. 1530-1545 11840. 1600-1700 & 1800-1900 11840. 1800-1920 11760 (NL)

SWITZERLAND SRI D79: 0700-0730 9560 15305 21520 21695. 0900-0930 same. 1100-1130 15430 17795 21520 21630. 1315-1345 11935 17735 17815 21520 21570. 1530-1600 15125 17830 21570. 1815-1845 17760 17830 15125 21585. 0145-0215 6135 9725 11715 15305. 0430-0500 9725 11715. The 07, 11, 1315 1530 and 1815 are also on omni 3985 6165 9535 (PTT) TAIWAN LN-14

TANZANIA R. Tanzania 0330-0500 & 1530-1945 has moved from 15435 to 9685 (Richard Ginbey, RN DX Juke Box 8/11)

UKRAINE R. Kiev anc'd this new sked 25/10: Eu 2000 9640 7260 6020. Nam 0030 17870 15240 15100 7215 7150. 0300 11690 9735 9505 7400 7215 7150. The 40-m channels best here (gh)

U S A AFRIS D79: 09-11 6030 9575 9585. 09-16 9700. 09-18 11805. 11-16 15330. 11-18 1543 11-01 15330. 16-22 17765. 16-24 15430. 18-01 11790. 18-0430 21570. 22-03 25615. 00-07 11790. 01-07 6030. 02-07 17765. 0430-07 15330 (NL via Nov RIB) US sites only.

U S S R R. Moscow anc'd that its GB&I xmsn from 23/10 would be retired to an hour later, 2000-2100 on 9.60, 7.39, 7.37, 7.34, 6.01 and 5.98 MHz plus 1143 kHz (WBI 18/10) 30/10 at *2300 R. Moscow Nam svc anc'd these fqs: 17.72 (hrd), 15.45 (actually on 15.455), 15.18 (echo w/19 & 49m channels), 15.14 (not hrd), 12.05 (Cairo QRM), 11.78 (poor), 9.76 (actually on 9.765), 9.68 (as always, 9.685), 9.61 (hrd), 9.53 (hum), 9.49 (best), 7.44 (trans-polar flutter) and 7.16 (actually 7.165). At 0200 they announced the addition of 9.58 and would remain on 15 fqs in the 19 thru 49m bands. 6/11 after 0400 I scanned the bands for RMWS: 9490 was best, also OK on 17880, 7370, 7240; and also audible on 21530 17825 15460 9610 9530 7310 7215 7150 6115=Cuba 5940 (gh) RMWS pretty good on 12010 1330-2200, 1600-2100 also very good on 12060; after 2100 7390 booming in. 1330-1500 17810 is tops (Conrad Richardson, VA)

UZBEKISTAN R. Tashkent new fqs at 1200 as of 23/10, per 22/10 anmt: 11785 9600 9540 6025 (W. Maxfield Greenwood, PA) Check, 11785 some DW QRM; 9600 blocked by Moscow/Havana Blob; 9540 and 6025 OK; very likely same channels at 1400, which is not a repeat (gh) more LN-14

VATICAN VR back on 17825 after a short period on 17785 at 1500 // 11810 15120 (Robert Chesterton on RA Japanese DX Time 21/10)

VIETNAM Haven't hrd EG pgm for 2 or 3 weeks; monitored 15008 each day (Conrad Richardson, VA, 5/11) Could be they're mainly on 7, 9, 10 and 12 MHz channels now (gh) Slow speed EG obs *0700-0800* on 10010, and contrary to WBI 8/3 it does run almost 60 mins, ex-40 mins (Isao Ugusa, DX Front Line 1/11)

OTHER SCHEDULES BANGLADESH Current R. Bangladesh HS sked on SW: 0000-0400 (Sun 0430) & 1330-1730 on 3965 (7½ kW). 0000-0305 4890 (100) 0600-1000 9550 (7½). 0600-1000 & 1030-1300 7245 (10). 1030-1315 6080 (7½). 1315-1730 4880 (10 kW) (NL) non-EG ES: 0515-0545 AR 15400 17890 21685. 1115-1145 Nepalese 7245 9720. 1400-1500 Urdu 11875 15400. 1600-1630 Hindi 9540 11765. 1645-1815 Bengali 11765 15285 (via William A. Matthews, Columbus OH) BUHATAN LN-14

BRAZIL R. Itatiaia, BeIo Horizonte, WRTH stn 37) now sked: 6080 15-19, 9520 11-15, both 5 kW; and 11705 23-03 10 kW (Cláudio R. Moraes, Brasil, via WRTH LA News 10/79) All 3 are new fqs; anybody hrd them? (gh) Radio Brás has begun its promised German svc, 2000-2100 on 9605 11780 and 15245 (Veit Pelinski, DDR, SCDX 9/10) Unconfirmed (gh)

CHINA Sichuan PBS, Chengdu, 2nd pgm, tentatively obs on 5900. Std Chinese pgms, not // 3245 are 2220-0530 & 0900-1305, with provincial rx 0001/sic/-0020, 0500-0520, 0930-0950; the service also contains pgms in Yi dialect and Tibetan, as well as English & Japanese language lessons (WBI 25/10) Yes, that's definitely what it is. The stn's first pgm in Std Chinese on 3245 is at 2120-0100, 0250-0630 and 0930-1505; local rx 20 mins long at 2310, 0300, 0400, 1100. Relay R. Peking DS Pgm I 1200-1230. R. Peking ES in Russian said from 30/10 Esperanto to Eu would be daily 2000-2030 on 9380 6860; had been Fri & Sat only (WBI 1/11)

COSTA RICA TIPJ, R. Victoria in Heredia now is on SW 6082, 1 kW // 1220 kHz, 1100-0500 (Giovanni Mora C., Costa Rica, SCDX 9/10) Tent. hrd 0000 7/11, SIO 333, Big Ben sounding chimes mentions of C.R. and Heredia; tip from Henry Lazarus who's almost sure of R. Nueva Victoria's ID (Jack Jones, Jackson MS) R. Noticias del Continente anc'd this sked on 9615: 1900-0500, repeated at 1200-2045 GMT. I know there is something incoherent in this! At 0113 they talk about a movement of press people of CR to maintain them on the air 'despite the coalition against them led by Videla, the Argentine dictator'. 0158 first ads hrd, for Panamanian ex-im companies; weak 4-note jammer (hrd in background, Argentina? (J. J. Bloch, MD) more, LN-14

FRANCE "Coopération Radiophonique", sometimes including items in English, sked 0915-0945 on 17775 17795 21675 21730 25820 25900 and 1515-1545 on 17785 21525 25820 25900, both weekdays only, D79. 25820 full sked: 0700-1500 beamed 138° on Antananarivo; 25900 1000-1500 162° on Brazzaville (NL) France-Inter DS on SW via Allouis/Issoudun: 100 kW 6175 0700-2100 & 6040 2200-2300; 4 kW 3965 0700-2100 (WBI 10/79)

GERMANY EAST (Cf Nov LN-6) RBI noted on 21610 *2130-0500* in various langs, incl. PT, FR, SP apparently for SAM, excellent level 19/10. On 21/10 had moved down to 17700, same times. Not anc'd; believe special xmsn (Bob Padula, Surrey Hills, Vic.)

GERMANY WEST DW now has nx in Brazilian PT at 0930, SP 0935 on 15320, then 10 min DW IS, GM s/off. Feeder to Antigua? (Roberto Levinstein, Spain, SCDX 23/10) Per letter from G. Thiele, 21600 *0930-0945* in SP & PT is feeder for Antigua, for insertion into rebroadcast of taped services; good level here past few weeks (Bob Padula, Surrey Hills, Vic., 4/11)

GREECE EPT Radiofonikós Stathmós Makedonías, the Thessaloniki regional, is on new 9530- usually a little lower--at 1100-1430 opening with Athens EPT-1 news (Stephen Lowe, WDXC ENS) 2 conflicting skeds for same stn: (gh) 9655 1930-2030, 9530 1100-1430, 7130 Sun 0600-0930 (WBI 18/10) 35 kW, all Greek: 1000-1430 9575, 1930-2030 9655, Sun 0600-0830 7135 (RA DX 4/11)

GUAM Initial KTRW D79 sked (target numerals, refer to WRTH 79): I) 2055-2128 on 11750 345°, 1430-1500 15350 315. II) 2128-2157 11795 315, 2130-2230 15135 345, 0930-1057 11840 345, 1300-1357 15350 345. III) 2158-2257 15230 255, 0030-0130 17830 255, 1000-1057 15325 255, 1330-1430 11735 255. IV) 2230-2400 17770 315, 2258-2400 17830 285, 0458-0630 15135 315 and 17855 285, 0845-1000 17830 285, 1058-1130 11735 285 and 15350 315, 1130-1300 15350 315, 1130-1330 11735 285. V) 0000-0030 17830 285. VI) 0000-0130 17770 285, 1430-1600 11735 285 and 15350 285 (NL)

/more GUATEMALA LN-14

GUATEMALA TGNA R. Cultural non-EG sked on 730, 3300, 5955, 9505: 1100(Sun 1200)-0300(Mon 0030) and 0430-0830, in SP, except 1115-1200 in Kekchi, Cakchiquel and Man (Chas. Kristan)

INDIA Reproduced from NL, the latest AIR DS schedule: **Domestic SW channels operate as follows:** 2300-0330 & 1030-1830: 3205/3223/3235/3268/3277/3305/3315/3345/3365/3375. Other channels: 3295(2300-0330), 3355(Kurseong: 0030-0430), 3355(Hyderabad: 2300-0330), 4760(2300-0500, 0930-1245), 4775(2300-0430, 0930-1230), 4800/4820(2300-0330, 1130-1830), 4840(2300-0430, 1030-1830), 4850(2300-0400, 0930-1300), 4860(2300-0500), 4880(2300-0500, 1030-1215), 4895(2300-0930), 4920(2300-0215, 1030-1900), 4940(Gauhati 10kW E. Reg: 2330-0400, 0930-1130), 4950(2300-0445, 0930-1215), 4960(Ranchi 10kW E. Reg: 2330-0430), 4990(Bhopal 1kW N. Reg: 2330-0430, 1030-1230), 5960(10kW: 0230-1215), 5970(1130-1215), 5990(2.5kW: 2300-0430), 6020(100kW: 0215-1115), 6035(2kW: 0125-0300), 6065(100kW: 0230-0945), 6085(7.5kW: 1245-1515, 1530-1730), 6110(10kW: 0415-1115), 6120(0230-0334), 6130/6140/6190(as in WRTH), 7150(Gauhati 10kW E. Reg: 0330-1015), 7210/7240/7250(as in WRTH), 7260(Bombay 100kW W.Reg: 0130-0300), 9510(0600-0700), 9550(Bombay 100kW W. Reg: 0415-1215), 9575(1300-1445), 9590(Madras 100kW S. Reg: 0415-1215), 9750/11830/11870(as in WRTH). All details not mentioned are as WRTH79. (Delete fq's not mentioned above).

ISRAEL From 11/11, the SW sked of DS Net-B in Hebrew: 0400-0610 15585 11620 9372 7412. 0610-1400 25605 17630 15585 11655. 1400-1610 17630 11655. 1610-1800 17630. 1800-2300 17630 15585 11610 9372. 2300-2310 17685 17630 15585 15300 11655 11637 11610 9815 9372 7412 (VOI 4/11 anmt via WBI 8/11)

ITALY RAI D79 non-EG to Whem, IT u.o.s.: Canada 1400-1425 21690 17795. 1830-1905 Canada 21560, Cam/WI 17770 15400. 2230-0100 C&SAm 15245 11905 9710; NAm 11800 9575. SP 0100-0120 15245 11905 9710, PT 0120-0135 same. FR NAm 0120-0135 11800 9575. Lam 0140-0305 + SP 0305-0325 15245 11905 11800 9710 9630. Soccer specials on Sun morns (NAm time) 21655 17795 17715, also to other parts of world on 21560 21655 15340 (RAI)

LAOS National Radio DS on 6130: 2200-0300, 0330-0700, 0900-1600 (WBI 1/11)

LIBERIA (Cf Oct LN-5) Tent ELWA D79 sked almost identical to S79, except 1805-2005 on 6070 ex-6135, 50 kW (NL)

LIBYA SPLAJ Radio DS in AR now obs on SW apx 1000-1700 on 17930 11715 11690 9500. V. of Arab Homeland ES 1700 on same with 17930 and 11715 to 2200* and 11690 9500 continuing possibly until 0100 (WBI 25/10)

MALDIVES Official R. Maldives sked: 0100-0315 4754, 0700-0830 9550, 1200-1730 4754, and throught on 1485, 1 kW. Power on 4754 is 7 kW; 9550 2 kW. EG no longer mentioned (NL)

MALTA/PORTUGAL Per ad in sports newspaper 'A Bola' 22/10, R. Renascença, the catholic stn, will begin an 'Aqui Portugal' pgm for Portuguese emigrants in Europe, daily from 1/11 at 1500-1530 on 9670 thru R. Mediterranean (Cyclops) (WBI 1/11) Despite this anmt, the first xmsn was not obs until 4/11, in PT; talk on ag and religious feature, IDs, mx; 5/11 included roundup of regional Portuguese nx (WBI 8/11) AWR Malta replaced 6025 with 9600 at 0600-0700 and 9605 at 0700-0800 (Miki Včelař, via Steve Webster, RCI DX Digest 11/11) See PORT. LN-12

MEXICO R. México ES in SP obs 2155-0335(Mon 0500) on 17765 15430 11770 9705 5985 (WBI 1/11)

MONGOLIA Non-EG ES sked from Ulan Bator: 0820-0850 Mon+Fri Std Chinese 11855 7261 5053 4995 and 227 kHz. 1100-1130 Std Ch 7236 6100. 1130-1200 Mongolian same. 1300-1400 & 1400-1500 same two langs & fqs. 1330-1400 Mon+Fri Russian 11855 5053 4995 4850 4830 4762 4080 3960 882 827 209. 2100-2130 Std Ch & 2130-2200 Mongolian 9574 7236 6100 (WBI 10/79) DS: First Pgm 2200-1500: 2200-0100 11855 5053 4995 4850 4830 4762 3960 882 827 209. 0100-1030 11855 7261 5053 4995 4850 882 827 209. 1030-1500 11855 5053 4995 4850 4830 4762 4080 3960 882 827 209. Includes R. Moscow relays in and RS pgms out. Second Pgm: 0830-1052 6383 5960, including 1000-1030 relay R. Moscow ES in Mongolian (WBI 10/79) Ulan Bator 4950 hrd 1121-1149 10/11, including EG ID at 1130, first thot Sarawak (Osterman, Ont.)

MOROCCO MR DS in AR since 4/11 via VOA Tangier SW: 1000-1100 15360 15335. 1100-1600 21735 15360 15335. 1600-1800 21735 15360 15160. 1800-2200 21735 15160 9540. 2200-2400 15155 6170 6090. 2400-0100 15155 6170 (WBI 8/11)

Mozambique: R. Mocambique sent us the following official schedule dated August 29th. Maputo: National Sc. in Portuguese: 738(50kW): 0300-2200; 3210(100kW): 0300-0245(sic), 1700-2200; 4865(25kW): 0300-0500, 1700-2200; 6115(25kW): 0300-0530, 1630-2200; 7240(100kW): 0300-2200; 9620(120kW): 0330-2200; 11820(120kW): 0200-2200; 15295(100kW), 0500-1645. Emissor Interprovincial Maputo e Gaza: In Portuguese/Ronga/Changane: 1008(50kW): 0300-2200; 3338(10kW): 0300-0500, 1800-2200; 4925(10kW): 0300-0500, 1730-2200; 6050(25kW): 0300-0600; 6050(10kW): 1830-2200; 7110(25kW): 0515-1745. Beira: 'A' Prgr. in Portuguese/Chissena/Nda: 872(10kW): 0500-2200; 3370(10kW): 0300-0530, 1630-2000; 6025(10kW): 0500-0730, 1400-1655; 7130(25kW): 0715-1415. 'B' Prgr. in Nianja/Maconde/Ajawa/Swahi: 3280(100kW): 0400-0530; 3280(25kW): 1730-2000; 7130(25kW): 0400-0700, 1430-1715; 9635(100kW): 0900-1200, 1430-2000 - M. Vcelar reports that 11815 is actually used instead of 11820. He also reports new 4920//3210/4865/7240. Nampula still drifting, observed lately on 4938v around 1600 in Vernacular. R. Ginbey says that the Beira 'A' prgr. is only on 6025 on SW // 872/1431. So it appears that SW operation in Mozambique is changing all the time. Our text for WRTH80 will be based on monitored schedules as far as possible. (NL)

NEPAL R. Nepal has introduced new 9590 //3425 5005, 0020-0350, 0720-0950, 1150-1720 (Alok das Gupta, IDXCI, RA DX 4/11) Since 20/9, R. Nepal has been using 9589 // listed fqs 1150-1720. Recently, RN has been registering 9590 11970 15200 17800 with IFRB for the 2200-1900 period, and these fqs are tested for about 2 months every year, one fq at a time, usually in Sept-Dec (G.V.A. Goonetilleke, NL) 9590 since 20/9 hets Veritas 1300-1530; since 10/10 0020-0350 segment QRMing BBC; also check for them on 7165 (Goonetilleke, Nov ADXN)

OMAN BBC Eastern Relay, Masirah Island, SW D79 sked: 17770 WS 0900-1130. 15310 WS 0900-1830. 11955 WS 2330-0430. 11920 Hindi/Bengali/Hindi/Urdu 1330-1600. 11760 WS 0300-0315. 11730 Hindi/Urdu/Hindi 0050-0200. 7155 Persian 1615-1700. 6030 Arabic 1700-2000 (Padula)

PAPUA NIUGINI Per QSL, R. North Solomons sked 10 kW 3322.5 0700-1300 & 1930-2130 (Jack Lattemann, Seattle)

PERU Skeds as monitored 27/10, Fri nite to Sat morn local, so many may have been longer than on normal weekdays: 3360 R. Huanuco 1000-0300. 3385 Rdif. del Centro 1100-0500. 3552 Rdif. La Convención 1000-0300. 3910 R. San Francisco 1100-0300. 4785 R. Coop Satipo 1100-0200. 4770 R. Tarma 1100-0300. 4790 R. Atlántida 1000-0600. 4825 LV de la Selva 1000-0400. 4840 R. Andahuaylas 1000-0300. 4854 R. Pampas 1000-0500. 4860 R. Chinchaycocha 0800-0600-varies, often 24h. 4935 R. Tropical 1000-0400. 4951 R. Madre de Dios 1030-0300. 4955 R. Cult. Amauta 1100-0300. 4965 R. Sicuani 0900-0400. 4996 R. Andina 0800-0500. 5010 R. Eco 0930-0500. 5025 R. Quillabamba 1000-0300. 5035 R. Ayaviri 1200-0400. 5040 R. Libertad de Junín 0800-0730, often 24h. 5300 R. Esmeraldas 0900-0200 (Kevin L. Meyer, Lima) 4770 R. Tarma hrd 0500*,*1100 (Ray Crawford, Invercargill NZ, via Arthur Cushen 4/11)

PORTUGAL RDP D79 PT on SW: 0400-0600a 6010 9740. 0800-1800b 11800 15125 21700. 0925-1055 21700 21735. 1100-1230 17880 21700. 1100-1300a 9740 11800 15125. 1330-1400 21495. 1430-1800c 15180 15200 21700. 1500-1600d 17895. 1800-2015c 15340 17880. 1830-2030 6025 9740. 1900-2030d 15340 17880. 2015-2100c & 2030-2100d 15180. 2230-0100 9620 11840. 0000-0230 15170. 0100-0300 & 0330-0500 6025 11925 (NL) Lotsa good music there; see WRTH for key (gh) AWR Sines 0600-0700 has moved from 9665 to 9745 (Miki Včelář, RSA, via Webster, RCI DXD 11/11)

SEYCHELLES FEBA on new 11880 1200-1400 ex-11860 (Alok Das Gupta, RA DX 4/11) To avoid USSR QRM, as of 18/10; chose channel since it was OK when RA PNG service tested it (Goonetilleke, ADXN)

SPAIN REE D79 in SP to Whem: 6065-N 290° 0405-0515. 9360-N 2245-0515 260°. 9530-N (ADXN) 230° 2245-0400. 9630-N 290° 2145-2400 & 0200-0515. 11775-N 260° 2245-0515. 11815-T 260° 2045-2145. 11880-N 290° 2145-2400 & 0200-0515. 11945-N 230° 2245-0400. 15125-N 230° 2145-2245 Mon-Sat. 15365-T 260° 1400-2045 Sun, 2045-2145 daily. 17720-N 260° 1400-2045 Sun. 17865-N 230° 1400-2000 Sun. N=Noblejas 350 kW. (A=Arganda 100 kW.) T=Tenerife, Canary Islands 50 kW (REE DX Section)

SWEDEN HS Pgm-I 100 kW SSB via Varberg D79: 0630-0800 21550.0930(Sat/Sun 0800)-1600 21555. 1600-1800 21490. 1800-2000 15190. 2000-2130 11950 (R. Sweden)

SWITZERLAND Red Cross Broadcasting Service dates for D79 are: 26+28/11, 24+26/12, 28+30/1, 25+27/2 at: 0600-0700, 1130-1230, 1700-1800, all on 7210 150 kW omni. Directionals at 0945-1015: 29/1 on 9560 15305 21520 21695; 31/1 on 15430 17830 21520 21630 (PTT)

U S A KGEI D79: As 5980 250 kW: 1000-1100 JP, 1100-1300 RS, 1300-1400 CH. 1AM 50 kW SP: 2130-0400 15280, 0400-1400 9615, 1400-1600 15355; exc. EG 2130-2200; CM Mon 0035 (NL) VOA D79 service xmsn to Af 0745-0815, segments in EG/FR/Hausa/etc: Greenville 9530 6080, Munich 11920, Monrovia 17715 15430 9750 7175 6180, Tangier 15195; Greenville feeders 10869 USB, 19454 LSB, 7768.5 USB (Bob Padula, ADXN) For relay by local stns (gh)

USSR/AFGHANISTAN The R. Afghanistan HS on 15280 & 11900 0130-1930 changed to new fqs & sked the same date as other Soviet services /23/10/ (Noel Green, BBC WRC 28/10) R. Kabul's HS on 11900 was via Zhigulevsk; 15280 Tula (Olle Alm, DSWCI, via RA DX 21/10) Obs since 25/10 show RA DS on this sked replacing 15280 and 11900: 15305 0400-1600, 11710 0500-1500, 7235 0130-0500 & 1500-1930, 6190 0130-0400 & 1600-1930; times apx due to adverse prop condx; they are in addition to R. Afghanistan's regular DS fqs 7200 6230 4775 emanating from its own xmters in Kabul-Yakatut (WBI 1/11) This is as far as BBCMS will go; the item did not mention the USSR and was listed under Afghanistan (gh) Tnx to this sked you gave on RCI DXD 11/11, I hrd some of these relays: 15305 fairly good signal on clear channel 1030-1300; 11710 weak but clear around 1300. At 0500-0600, QRM from RMWS on 15305; VOA on 11710 (Jean-Jacques Bloch, MD)

USSR/CUBA RHC relays via USSR obs since 23/10; to Mediterranean: 1500-1600 AR, 1600-1700 FR 1700-1800 EG all on 17765. 1800-2000 SP & 2000-2100 PT 11920 & 9720. FR 2100-2200 & EG 2200-2300 fqs not found yet (WBI 1/11) Found, LN-14 USSR/USSR LN-14

USSR/POLAND Not only are RHC and Afghanistan and perhaps Mongolia transmitted from the USSR, but also Polish Radio's third pgm: via Zhigulevsk 9755 0400-1505; 7110 1535-2300, and via Moscow morn & eves on 6035, daytimes 7:180 (Olle Alm, DSWCI, via RA DX 21/10) Changed now?(gh)

VIETNAM Regional Centres' DS: Bac Thai 6910-6915v 0330-0400 Meo, 0400-0530 Local pgms in VT. 1030-1100 Local VT. 1130-1200 Montagnard, 1200-1330 local VT. Cao Bang shares Bac Thai 6910-6915v: 0200-0230 Meo, 0230-0330 local VT, 1330-1430 local VT. Ha Tuyen 4822 2330-2400 local VT, 0000-0030 Montagnard, 0030-0100 Cantonese, 1000-1100 local VT, 1100-1230 Montagnard and 1230-1400 local VT. Hoang Lien Son 5604 0000-0030 local VT, 0330-0400 VOV ES in Std Ch, 0400-0430 Meo, 0430-0500 VOV ES in Cantonese, 0500-0515 local VT, 0515-0530 Meo. 0900-1000 VOV ES in Std Ch, 1000-1015 local pgms in VT. 1200-1230 local VT, 1230-1330 Montagnard, 1330-1350 local VT. Lai Chau 6006 & 4676 1130-1230 local CT, 1230-1330 & 2230-2300 Meo. Lang Son 5950 1130-1230 local VT. Quang Ninh no details. Son La 6330 & 4770, 0300-0400 Meo, 0400-0430 Montagnard, 0430-0500 local VT. 1030-1100 Montagnard, 1130-1200 Montagnard, 1200-1230 Meo. 1300-1330 local VT, 1330-1400 Meo. Thanh Hoa 4884 1030-1100 & 2130-2200 local VT (WBI 10/79) BBCMS classifies 3 Viet langs--Vietnamese, Meo and Montagnard. Most all minority groups are 'montagnard' (highlander), including Meo. It is unlikely Meo is used as much as BBCMS reports. There are as many Dao (pronounced za-oh) speakers, a.k.a. Yao in Laos and Thailand; I refer to Meo-Dao since the langs are hard to tell apart, but are easily distinguishable from Vietnamese or other 'montagnard' langs. The latter include Tay, Nung, etc. BBCMS montagnard skeds refer only to stns in northern Vietnam, while langs used by central highland stn Gia Lai-Kon Tum are completely different, belonging to the Mon-Khmer group while those in the north are in the Sino-Thai or Meo-Dao group. BBCMS has missed including newies like G.L.K.T 4685 and Phu Khanh 5140 but does include unhrd Lai Chau 4676. (Isao Ugusa, DXPL)

Nhan Dan refers to a 7th network, 0200-0330 on 6430, 9840, with nx in slow speed Vietnamese, 6/10, saying 7th net is overseas service, while 2nd net is HS--but where are 3rd thru 6th nets?! (Isao Ugusa, Japan, DX Front Line 1/11)

MISCELÁNEA RADIAL

ANGOLA Em. Reg. do Moxico, hrd on 5191 in PT to 2303* with national anthem (Derek Lowe, AR, 8/11)

ANTARCTICA (Cf Nov LN-7) 17/10 at 0100 test xmsns from LRA-36, R. Nacional Arcángel San Gabriel, began; from Esperanza Army Base in the Argentine Antarctic on 6030 (better hrd until Bolivia-6035 s/off, on 6028). However, another local ADXL member claims he heard it Sat 13/10 at 0030 but there was no ID that day. I taped some good IDs as from 17/10. At s/off 0200 17/10 they gave test sked as 1430-1700 at 0100-0200. Xmsns open and close with the military march of Esperanza Army Base. QRM-2, rising to 3 by 0130. They did not announce power nor when regular broadcasts would begin; but this happened 20/10 at 1430, with 1 kW, with the regular schedule being 0000-0200. Every night at 0100 they have a local program, "Horizontes de Hielo". Address is: 9411 Base de Ejército, Esperanza, Antártida Argentina (Emilio Pedro Povrnice, Asociación DX del Litoral, Rosario) R. Nacional Buenos Aires reported that LRA36 was inaugurated at the Esperanza army base (on Graham Land) on the morning of 20/10 (WBI 25/10) Hrd 30/10 at 0115; and 31/10 from fade-in 2350 past 0100 with Portugal 6025 QRM. Actually on 6029, best around 6027.5 on LSB; 9-note IS and ID at 0056; IS on chimes or vibes. Again 2/11, best 0030-0100 with modern serious mx, ID for R. Nacional Buenos Aires, so it appears they relay B.A. at least part of the time. Much better 3/11 GMT 0000-0145: until 0053 relaying B.A. with modern atonal music pgm; 0055-0108 nx in SP by M&W; 0108 local ID, 0109 extended Antarctic wx courtesy Arg. AF, then another full ID saying it was transmitting directly from Esperanza Base; 0113 classical piano solos; 0127 ID and more piano, flute mx (Bob Rankin, Lawrence KS) Hrd 1/11 *2358 on 6029 with Arg. NA, ID, pgm for All-Saints Day; I am a bit puzzled by a religious-style stn set up down there! (Jean-Jacques Bloch, MD)more..

Later heard full ID giving location as 63-24 South, 57-09 West (Bloch) This is close to the base coordinates given in April 1979 QST, p. 51, of same lat, long 56-59 W. There are two other Argentine bases in the vicinity. Surprisingly easy to hear, 2/11 0033 taped ID and put it on RCI DX Digest; mostly mx to 0050½ Portugal on with OC, tone 6025, IS 0057 finish; cal facts, and so on, in almost every evening checked; ho-hum, why bother to log? As from 4/11 AFRIS-6030 on an hour earlier, carrier often on as early as 0045 ending LRA-36 reception tho het still audible; they also come on for about a minute earlier in the hour, typical VOA practice; ironically, one target area of AFRIS-6030 is--Antarctica (gh) Fair 4/11 following RCI DX Digest tip /then it would have to be 5/11, Bill! --gh/ 0026-0045 when AFRIS carrier came on; LRA-36 on 6029.1; again 7/11 same time; taped pgms, IDs (Bill Whitacre, MI) 4/11 0000-0109, ID 0022 and many other times; M&W nx format, mx was classical, disco/pops, tango (Dave Walcutt, TX) 5/11 on 6029 hrd 0008+ ID, lots of tangos, some SP talk had a slight echo--perhaps recording; nx off the air; no doubt about ID (Syd Osterman, Ont.) 4/11 *2358 with NA on 6029, 0000 ID, sked, nx, ID, mx (Larry Magne, PA) It's a good guide to FIBS reception too; 8/11 (Derek Lowe, AR) Relays HS from LRA, 870 kHz, per Nestor Rubio of Marpla DX Club (Omar Solís, Melbourne, Nov ADXN) 6/11 0015 strength peaked at a surprising S-6, similarly 7/11 and 8/11. Considering the relatively low power claimed, the consistency of reception in NAM, and the ionospheric difficulties associated with Antarctic reception, one has to wonder whether this really does come from Antarctica or is instead a propaganda xmsn from the Argentine mainland? Certainly something very unusual is happening here. At 0040 was relaying IDs of other Argentine govt stns--apparently some sort of net news (C. M. Stanbury II) I was wondering the same thing. Argentina has had a Malvinas Islands pgm transmitted from the mainland since they couldn't very well do it from the Falklands they claim, under British dominion. However, no doubt there is a base at Esperanza. Ironically, the first report above from ADXL is headed "Argentina", not "Antarctica", in line with Argentine nationalist expansionism which has long considered the sector of Antarctica facing Argentina as part of Argentina itself (see official maps, e.g. the RAE logo). Gee, I thought Antarctica was an 'international', de-militarized continent. Dear BBCMS, how about getting a DF fix on this and publishing where it actually is (gh)

ARGENTINA "R. Colón, San Juan" logged on 13290-apx 30/10 on SSB. Concluded music 0022 and began calling Guatemala. PTP relay, not necessarily from a San Juan xmtx (C. M. Stanbury II)

ASCENSION The BBC thinks otherwise, their 11820 xmtx here has been putting out rather strong spurs on 11640 and 12000 kHz evenings (± 180 kHz), e.g. in PT at 2315 15/11; the flutter-fading on all 3 fqs is the same, and audio is in phase, all three an echo behind 11680 // which is direct from UK (gh)

BELGIUM I wrote a letter to BRT asking why they'd move off 11715, and they replied they would keep it at least until next year (Andy Reid, Peterborough, Ont., 26/10) I was still hearing presumably BRT on 11715 past 4/11, but only with some sort of IS, no programming, at 0030 checks (gh) At 1800 6/11 I heard anmt on 17740 by D. Monson about union troubles, and the program would be recorded mx (Eddie Wyatt, Calgary Alta) 15175 at 2300 11/11, EG & DT anmts that due to union action, normal programming replaced by mx (Ralf Munster, GA) ES temporarily suspended due to work sanctions by the technical staff, they say (Jim Conrad, IA)

CANADA Cannot hear CHU on any fqs, 10-11/11; don't believe condx; assume off air? (Syd Osterman, Ont) Maybe so, but going strong on 14670 when I checked 17/11 (gh) RCI missing from 5960 11/11--xmtx trouble, or another operator error? (Osterman) 24480, BBC via Sackville, 4 x 6120 2348 3/11, believe first time hrd on this harmonic; // 24700, 4 x 6175 Antigua (gh)

CHINA R. Peking ES in JP anc'd that R. Peking would intro its winter fq sked on 30/10 (WBI 18/10) Ah, truly following the Middle Road between Soviet bloc changes on 23/10 and rest of world on 4/11 (gh) For years, Chicov govt jammed Christian super stations and VOA. Since the day Pres. Carter signed the treaty with China, all jamming has stopped. Christian travelers, testing all across China to the border of Tibet, have picked up the gospel broadcasts clearly (OMS Outreach, via Marlin A. Field, MI) Why not? They are certainly no threat (gh)

COLOMBIA (Cf Nov LN-7) La Voz de Yopal hrd on 5051 with ID at 1030; best then as Venezuela dominates 5050 nites (Jean-Jacques Bloch, MD, 25/10) R. Colosal logged 24/10 around 0405 on 14725 apx, definitely not the harmonic of 4945 so probably a PTP relay (Jack Widner, IN, SWNS) Ecos del Combeima I could tune in on 9527 before the LRA-36 test xmsns began on 6030; now Ecos can be heard very weakly on 6025 (Emilio Pedro Povrzenic, Argentina, 18/10) I don't quite follow the logic of this (gh)

COOK ISLANDS Rarotonga noted on rarely hrd 11760, anmts in Maori and EG, island style mx 0800 to 0832* after good-nite msgs. Normally a daytime channel; first time I've hrd it. May have been dual regular 5045 but 5 mHz band poor this day, 7/11 (Bob Padula, Vic) MHz (gh)

COSTA RICA R. Rumbo, Cartago, has 1 kW now on SW 6175 ("CD" in WRTH LA Nx 21/10) Formerly a nominal TIFC fq; have been noting increased QRM to BBC lately; this it? (gh)

CUBA RHC on new 5965 in PT to 0953, carrier to 1000* (Jack Jones, MS) Cuba hrd 28/10 0635 on 9250, M&W with nx, ID 0652, comtry, 0655 mx, SINPO 33443 among or over ticking noise, on AM in PTP territory, hrd on 2 rx; wonder what they're doing there? (Ralf Munster, Decatur GA) What station? (gh)

CHAD LN-14

CHILE is on summer time of GMT -3 so stns on an hour earlier in morns: Agricultura 9630 already on at 0925 weekdays, *1000 Sun; Minería 9750 W. 0955 hrd; Univ. Concepción 6135 *1600 daily (Jean-Jacques Bloch, MD, 25/10) R. Nacional, Santiago, hrd around 0000 on 11855--not a harmonic (Emilio Pedro Povrzenic, ADXL, Argentina, 18/10) **DOMINICAN REP. LN-14**

ECUADOR The 500 kW HCJB xmtr has been completed at Elkhart IN and is ready to be shipped to Ecuador. I haven't seen any timetable as to when it'll be in use (Marlin A. Field, 5/11, MI)

EQUATORIAL GUINEA (not EQUATORIAL, as I keep seeing--would anybody spell equator equitor??) R. Ecuatorial, Bata, 5005 13/10 2105-2125* IDING as "La Voz del Rio Muni" and asking for reports from inside and outside E.G. (G. Zella & M. Simoni, Italy, PLAY-DX) Rio Muni back on 4924.8 6/11, big sig 2120-2130* nx, gong, ID, local songs, s/off amnts, NA & off (Whitacre)

FALKLAND ISLANDS LRA-36 is a good guide to FIBS reception, too. 8/11 LRA-36 was in at 0000 and at 0030 had FIBS peaking on 2370 with tent. ID and possible local nx (Derek Lowe, AR) 11/11 & 12/11 made 2 tent. loggings of FIBS--11/11 0115-0130 mx, ancr, definitely non-Spanish but couldn't be sure it was EG; after short amnt, 0130*. 12/11, hrd similar mx snatches around 0020, definitely EG, 0030 ID started but sig. faded, but back in time to hear a few bars of "God Save the Queen", off around 0031*; 2370 kHz. Can anyone verify if FIBS uses GSTQ at sign off? The s/off times do correspond to WRTH for Sat & Sun nites (Brett Saylor)

FRANCE Paris on 25895 ex-25900 in FR nx 1009 25/10, // 25820 but not as strong (Rob Wagner, Victoria, ADXN Nov) Mysterious moves in an empty band (gh) on 25900 18/11 check (gh)

GABON Africa Number One tests supposedly ended 27/10 (gh) Again 'on the air', hrd 15/11 0818 on 15200, usual Clouseau-accented 'send us a post card' bit, no parallels found; very poor under USSR (Jim Conrad, IA) Tests were sked on these fqs for 15-27/10: 7125 7145 7160 7190 7290, 9525 9550 9690, 11750 11755 11800 11945, 15200 15265 15435, 17820 17835. During 8-13/10 obs on additional channels 21690 17755 15365 (WBI 18/10) 22-27/10 obs on 15265 15200 11800 9685 (WBI 25/10) Testing on many fqs not in their sked--9525 15135 15385 17730 17810 21690 (Richard Ginbey, RSA, SCDX 30/10) During last week of tests hrd on 7125 7145 7160 7195 7250 7290 9525 9695 11800 15135 15265 15365 15385 15435 17730 17810 21690 (Ginbey, DX Juke Box 8/11) 15200 and 17835, not // but both on 1500-1600 with EG/AR tests 25/10, during last week of testing, for reports #9 and #10. Just tell me when I can pick up the car!! (Bill Whitacre MI) Africa Number One has QSLed direct from Gabon; the card says "We wish you good luck in our competition that will take place at the beginning of 1980 when our trials end" (via Giuseppe Zella, Italy, PLAY-DX)

HAITI LN-14

GUYANA FRENCH 4972 hrd 8/11 at 0121 in FR talking // 3385; just checking to see if this one still on the air; in a big het but fair level; Guayana 5950 GBS also good then (Osterman)

ISRAEL Spanish service of Kol Israel has appointed Mr. Jacobo Timlyman (sp?) to the service. He was recently released after 2-3/4 years detention in Argentina for alleged left-wing sympathies of his newspaper (Russell Shapiro, WDXC ENS) Kol Israel experimental BC 12/11 0225 EG, 0230 Lam pgm on 7412 & 9815, both SINPO 45444, but nothing on 11637 tho announced (Ralf Munster, GA) A run-thru of the prime-time service, but unable to continue until funding finalized (gh) Why does KI use such offbeat fqs as 11637.5. Why not 11640 even? (Andy Reid, Ont.) Fqs are carefully chosen to avoid QRM; out-of-band, utility stns do not keep to 5-kHz steps, so KI must squeeze into the best possible spots (gh)

INDONESIA LN-14

ITALY (Cf Nov LN-3) Italian Broadcasting Corp, now 20 watts, 6251 21/10 1210-1230 in EG; sked in EG Suns 1200-1230 & 1530-1600; FR 1430-1500 & 1630-1700. QSL via PLAY-DX HQ, Via Davanzati 8, 20158 Milano (Dario Monferini)

KAZAKHSTAN Alma Ata's second pgm in Kazakh can be hrd well at *0000 on 5035, 29/9. Also the 5th harmonic of 49m fq is often strong, on 29800, especially around 1100-1300 (Stephen Lowe, England, WDXC Express News Service Oct)

KUWAIT Have you noticed an increase in R. Kuwait's sigs lately? For the past couple of days have had no trouble copying them thru the hets on 11690; wonder if they have gone higher power? (Conrad Richardson, Lynchburg VA) No, haven't noticed this (gh)

LEBANON V. of Lebanon, 6550, *0452 musical box and still "River Kwai" contrary to LN some time back that they had changed to "Quo Vadis" tune (Jean-Jacques Bloch, MD)

LESOTHO SW outlet is again silent on 4800; getting to be an annual event (R. Ginbey, DXJB)

LUXEMBOURG RTL has a new boss, Jacques Rigaud, a rare bird who is a lover of opera and modern art. Some changes may be in store at France's most 'popular' radio station (Georges Suffert, Le Point, 29/10 via David L. Walcutt, TX)

NEW HEBRIDES New ID for NHBS is "R. New Hebrides, Vila"; they have new equipment, a new QSL and a new MW fq, 1125 (Arthur Cushen, RN DX Juke Box 1/11)

NICARAGUA LV de Nicaragua hrd on 9100 at 0100 (J. F. Crespo, Spain, SCDX 6/11) R. Sandino 6120 *1110 varying to *1120 (Ray Crawford, Invercargill NZ, via Arthur Cushen) R. Sandinista 6120 *1120 16/10 (Ernie Moore, Qsid., ADXN) The former R. Atlántico in Bluefields obs since 17/10 IDing as R. Chinita; folk mx, govt communiqués in SP w/occl xltns into EG & Miskito (WBI 25/10) A new lang on SW? Must be related to the 'mosquito coast' (gh) It's R. Zinica, in the Sandinista net (WBI 1/11) R. Continental now worker-controlled; ex-DJ heads it (ibid.)

- NIGERIA** FRCN is still IDing as Lagos on 4990 (Stu Klein, FL, 10/11) (Cf Oct LN-8) 11)
- OMAN** R. Oman heard on 11890 for *0200 past 0230: IS, AR, Koran, AR talks (J.J.Bloch, MD 1/)
- PERU** The govt has dropped many of the former importation bans, so electronic equipment is now easily accessible. Because of this, many prospective stns have supposedly ordered transmitters. Many of the carriers reported lately may be test xmsns. Such was the case with the new R. San Francisco, 3910 (Kevin L. Meyer, Lima) Cf LN-5 (gh) New stns reported by the Peruvian authorities: 4885 R. Villa Rica, OAX5V, Calle Virrey Toledo 468, Huancavélica. 4990 R. El Triunfo, OBX7R, Choquechaca 264, Cuzco; 1 kW. Changes: R. Callao on 4860, OCX4B, formerly MW only; delete stn 174) on 4885. R. Tumbes OAX1J stn 120) on 5050. Stn 101) 5055 OBX70 (that's oh, not zero), 1 kW R. Onda Imperial. Delete 186) on 5125. 187) nom. 6135 reported on 5300, OAX5L, R. Los Andes, Pampas (WRTH LA Nx 21/10)
- PORTUGAL** RCI IS, Ukrainian, 1459 27/10 via Sines 30320, 2 x 15160; temporary replacement for 15305 + 30610 (gh)
- SA'UDI ARABIA** Riyadh now on new 21625 *0300 AR strong 4/11, also on new // 17710; strangely, these two slightly delayed about half a second behind 15060 (Bob Padula, Victoria) Aha, as has been reported before on other fqs; hard to explain any way but due to a satellite feed, so these new fqs are likely not from Riyadh (gh) unID on about 5070 2157-2236 6/11, hrd first by Mike Bolitho, AR vocals, chants and talks, and one western pop song; poor mod. Think I have heard an AR ute here--Saudi Telegraph or something (Syd Osterman, Ont.) 5070 6/11 2225+ good signal, mx, M anc'r w/amt always ending in "Arabiya". Saudi Arabia listed here (Bill Whitacre, MI) Where? (gh)
- SOLOMON ISLANDS** SIBC can be heard on 9545 1045-1130*, clear channel (J. J. Bloch, MD, 30/10)
- SURINAME** (Cf Nov LR-A-4 4794) The unID is R. Apintie, Paramaribo; hrd 4/11 & 5/11, *0826 Hindi song, 0830 N.A. and Dutch ID, 0833-0930 pgm in Hindustani, lots of mx from India; 0930-0950 fadeout, long N.A., Dutch ID & pgm; new on SW (Jean-Jacques Bloch, MD)
- SWEDEN** R. Sweden has introduced a new QSL system, similar to RCI's; but there will be sent out two cards a year accompanying pgm skeds, in two parts; one asks for comments on programming and the other will be verified and returned if correct (SCDX 30/10)
- SWITZERLAND** SRI SSB D79 1315-1515 sked for 30 kW on 25630 (Shigenori Aoki, Nagoya DXers Circle, via RA Japanese DX 28/10) Plan made before decision to drop it; this would have put in a beautiful signal, I expect (gh)
- TRANSKEI** Capital Radio (London) maintain that there is 'absolutely no connection' with Capital Radio (Transkei), but John Moody, the Transkei's managing director, says the London station were 'amazingly co-operative' in providing help and advice, and in allowing the South Africans complete access to study their own operations. Capital Radio (London), highly profitable and allegedly 'socially aware', profess to be highly embarrassed that their name, style, and even their printed logo have been appropriated by the Transkei station. Meanwhile staff of the two stations continue to visit each other (Duncan Campbell, New Statesman 12/10 via Syd Osterman, Ont.)
- TUNISIA** RTT on new 11965 ex-11970 AR *0430, excellent (Peter Bunn, Vic., RA DX Time 4/11)
- TURKEY** Police Radio, 6340 *0500 with 8-note piano IS, Turkish mx (Arthur Cushen's DX World)
- UKOGBANI** I have been spending a lot of time recently listening to BBC1 TV sound and noticed the following: BBC1 Scotland and BBC1 Northern Ireland do not join the network for "Nationwide" at 1755. BBC1 Scotland broadcasts "Report in Scotland" while Northern Ireland carries "Scene Around Six" at 1755-1820 GMT. Both regionals join "Nationwide" around 1820. On Sunday afternoons following "Film Matinee" many regional stns broadcast local pgms, e.g. 11/11 Northern Ireland had "The Story of Columbanus" at 1540 while Crystal Palace (London) was running a rerun of "High Chaparral". Similarly elsewhere in UK. How to program your Bearcat scanner: BBC1 Northern Ireland at Divis can be heard in the clear by tuning to either 41.46 or 41.465 Mhz. Crystal Palace, and BBC1 Scotland (probably Thrumster) are both hrd on 41.50 Mhz, often at the same time. Other unIDs hrd on 41.48 (Cornwall?), 41.515 or 41.52 (Wales? and Scotland?) and 41.535. (TV Française 1 hrd on 41.23 and stronger 41.25) Solar flux on 10/11 was 383, the highest to date in cycle 21, but 12/11 down to 297 (R. N. Allen, OK)
- Besides frequent morning reception of BBC-1 TV here around 41.5 Mhz, and various BBC SW harmonics on the 30 Mhz band, BBC WS hrd on 17925 12/11 at 2245, weak but identifiable, 3 x 5975; hot hrd on that harmonic before, and rather late in the day for it (gh)
- U S A** The end of an era. WYFR pulled the big switch at Scituate for the last time 17/11 at 0500 as Spanish service on 11810 went off the air; local IDs on this and 17845 earlier in evening were taped for posterity; no special programming or amt for the occasion, but finality confirmed by call to station. 9715 (English) had gone off a couple weeks before, and now frn Okeechobee is much weaker here, beamed west. Scituate had been a SW site since 1936, as World Radio University, WRUL, R. Boston, VOA, R. New York Worldwide, WNYW, the SW outlet of WRFM, and finally, Family Radio.
- WNBN hrd on 15249 (anc'd 15250) 10/11 1800, "Bible Prophecy" of WW III, lugubrious hymns on electric organ (Ralf Munster, GA) On Uganda's fq! (gh) I've heard KXEL-1540 on 2nd harmonic 3080 past week, C&W around 1100 (Bill Butuk, RCI DX Digest 5/11)

SSR In late 1977, professional radio operators from 10 European countries organized to boycott radio communications with Soviet shipping, to protest the QRM with SW comms caused by the Soviet testing of over-the-horizon radar (the so-called 'woodpecker' or 'machinegun'). However, after a few weeks with no reaction from the Soviets, the plan was abandoned--shippers decided the boycott was hurting business (Washington Post, via SWNS, via SCDX 23/10)

As R. Moscow had previously announced, they had live coverage of the big Red Square parade /11 marking the 62nd anniversary of the October revolution, from 0645 past 0800, best here on 12010. A rare example of RM covering a live event. I really had the feeling of being here, as Gen. Ustinov and massed soldiers shouted greetings to each other (gh) RMWS EG coverage was at 0650-0805, observed on 30 SW fqs; reportage in Std. Chinese hrd on only 3 channels due to condx; in Russian, audible on 61 SW channels, 0650-0930 (WBI 8/11) Mark your calendar for Mayday, and next Nov. 7 for more of the same (gh)

Irkutsk hrd on 7200 from *1051 with 2 anthems, local ID, mx, RS anmts, 1100 Mayak (Stu Klein, FL, 10/11) R. Moscow, presumed on 9210 USB, Spanish 2040+; feeder? (Terry L. Krueger, FL, 25/10) Harmonics: RMWS on 28860 0945-1000, could be 4 x 7215 (Ulrich Bosch, W. Germany, SCDX 6/11) 6/10 0525-0550 hrd on 19440, 4 x 4860 (or 9720 x 2 -gh); 19060 4 x 4765 (or 9530 2 -gh), 19330, 2 x 9665; 23470 (HS) 2 x 11735 (Bob Padula, Peter Bunn, Graham Mutton, Tarra Valley, Nov ADXN) R. Moscow hrd on 30040 4/10 0630, 2 x 15020 and on 30225 at 0628, 5 x 6045 (Jürg Klingenfuss, FSR, WDXC DX-Flash) I've never known RM to use 15020; more likely 4 x 7510. I've hrd RMWS on 24020 25/10 at 1257, much better than CWQRMD 12010; 24140 1258 cl. mx, TC, IS, Atlantika program 1300 25/10; nothing hrd on 12070, and could be 4 x 6035, 28/10 at 1352 on 30300 RMWS vocal mx almost //9600; u/OC which is there whenever F2 MUF is up; 30/10 1315 on 31100, SAS lang, 1328 "R. Moscow" ID, also audible on 15550; 7/11 1408 on 30460 Kreml chimes, unID lang, delayed parade coverage; 2 x 15230?

CLANDESTINE CRANNY

Ba-Yi (First August Radio), hostile to the Chinese Vice

Premier, obs again on 12120 15/10, in Std Ch 1230-1232, 1258-1302; also 16/10 with 4-min xmsns at 1430 & 1504 (WBI 18/10) Hostile to Deng Xiaoping, again obs 18/10, 3 xmsns of 5 min ea. at 1200, 1230, 1300 on 12120, 1400, 1500, 1530; 22/10 1230, 1330, 1400 (WBI 25/10) And 1/11 5 min ea. at 1200, 1230, 1300 on 12120, RTTY QR; it attacks the Chinese communist party for becoming a US ally (Jean-Jacques Bloch, Gathersburg MD) VOPMalaya LN-14

Voice of the People of Burma hrd on 6304, 1045-1130* s/off w/Internationale, 25/10, 26/10, 28/10. Time presumably changed in November, as it does monthly (Jean-Jacques Bloch, MD)

Voice of Palestine, Voice of Palestine Revolution pgm via Algiers, presented by PLO in Arabic is at 1802-1900 on 15368 11924 9705 9685 9633 1142 980 549 and 531 kHz (WBI 11/79) VOPVOPR via xmtr believed in Lebanon now obs on 1138 ex-1120 kHz (WBI 8/11)

Voice of Hope per V. of Israel 3/11, this evangelical on 936 from southern Lebanon is now on the air 17 hours per day in AR, EG, FR (WBI 8/11) 12 kW, to be increased to 30. EG at 0400-0630, 0700-1000, 1030-1400, 1500-2100. AR 0630-0700, 1000-1030, 1400-1500. Address is: The Arizin Motel, Metulla, Israel (T. B. Vik, NL)

Voice of the Egyptian People, cf Nov LN-10, the times were reversed; formerly 1930-2030; now 1900-2000 ("from 9 pm Cairo time") on 9730 (Jean-Jacques Bloch, MD)

Voice of the Popular Front for the Liberation of Oman via Libya at 1830-1845 is on 17930 ex-15100 (Jean-Jacques Bloch, MD, 25/10) /10/11)

Voice of the Communist Party of Turkey hrd with good reception at 0800 on 9585 (S. Klein, FL,

RFE / RL For D79, Radio Free Europe will use the following freq's

(time variable): Bulgarian: 7215/9505/9750/11825/15115/17725/17770/21745. Czech/Slovak: 720/3970/6115/6135/7115/7165/7190/9565/9595/9705/9725/10855/11825/11895/15255/15355/17835/17865/21720, Hungarian: 5985/6070/7115/9705/9725/11855/11895/15170/15380/17865. Polish: 720/3990/5970/7145/7190/9695/11725/15145/17735/17805/21665. Romanian: 6105/6115/7145/7255/9595/11815/15215/17735. R. Liberty prgrs. in D79 will use the following freqs at various times: Armenian/Azerbaijdzhan/Georgian: 7190/7255/9540/9555/11875/15170/15380/17895/21455. Belorussian/Estonian/Latvian/Lithuanian: 3985/5955/6170/7180/7295/9625/9715/11970/15370/17760. Central Asian: 7295/9555/9660/11885/15290/17725/17750. Tatar-Bashkir/Ukrainian: 5985/6170/7245/9660/9725/9750/11885/11895/11915/15290/17725. Russian: 3960/5955/6105/6115/7155/7180/7190/7220/7295/9505/9520/9555/9565/9625/9680/9725/11725/11770/11825/11835/11855/11875/11885/11895/11915/11925/11970/15130/15170/15290/15370/15380/15445/17725/17750/17760/17770/17820/17845/17895/21455/21510/21720/21745/25690. (NL) PORTUGAL LN-2; LN-12

R. Enoch now describing itself on 7350 as Britain's "patriotic" and only "clandestine" was being jammed one morning by R. Zenith, "The voice against oppression and the voice against R. Enoch". The jamming was not very successful; R. Enoch advised listeners to return to Radio RSA at the end of its broadcasts; R. Zenith replied that that was a load of rubbish as well as Enoch (Mike Barraclough, WDXC Contact Oct)

Voice of Free Sahara, Polisario Front pgm in AR/SP and/or FR or verns, now at 2300-2400 on 576 kHz, due time change in Algeria (WBI 1/11) But could turn up on an Algiers SW fq (gh)

V. of Chilean Resistance, Spanish pgm from Algiers, now at 0105-0135 on 9705 7245 7195 6160
V. of the Liberation Front of West Somalia and Abbou via Mogadishu 9586, hrd at (WBI 1/11
 1930-2000 in Somali, 2000-2030 in Oromo, 2030-2100 in Arabic. Abbou is the name of a tribe
 in southeast Ethiopia, per the Somali embassy in Washington (Jean-Jacques Bloch, MD, 30/10)

V. of Zimbabwe via Dar-Es-Salaam 9683.5, hrd in EG 1935-1945, followed by R. Tanzania ES ID
 and anthem and off 1947*, announcing 9585 only; and via Addis Ababa 9560 at 1920-1947* behind
 Sofia in Turkish, with slogans like "Long live the Revolution, the Struggle continues"; on
 this no fq was anc'd and no mention of Ethiopia (Jean-Jacques Bloch, MD, 25/10, 30/10, 1/11)

R. Democracia This is a translation of what I heard on a R. México Spanish newscast 8/11 at
 0325: "In Bolivia a clandestine station, R. Democracia, has started transmitting in the
 night between Tuesday and Wednesday; the station announced that it will be on the air every
 night during 3 hours. R. Democracia urged the people to resist the military govt. On the
 other hand, the stns of the mining areas, controlled by the Unions, have started a network
 in support of the general strike against the regime of Natusch /who was out by 16/11 -gh/.
 We have also been informed that in Santa Cruz de la Sierra, Bolivia, a Bolivian journalist
 was shot while he was on the air, by soldiers who also wrecked the equipment of the stn R.
 Maritima" (listed on 1400 in WRTH; weird name for a stn in a high, landlocked country! -gh).
 No fq given for R. Democracia, but might well be on SW; stns that might be involved in the
 network mentioned above are i.a. Viloco, 21 de Diciembre, Cumbre, Nac. Huarani... (Bloch, MD

R. Sandino While your "Revolution by Radio" article in Nov. POPULAR ELECTRONICS covered the
 subject quite thoroughly, the item about 7-MHz propagation isn't totally correct. The skip
 zone is only about 25-90 km from the transmitter; beyond that reception should be OK. So R.
 Sandino could indeed have transmitted from inside Costa Rica and still provided good recep-
 tion inside Nicaragua. Also, the 7587 xmtr was usually inaudible by 1300 GMT and the 7315
 barely audible by 1400*, as opposed to the obviously lower power 41-m Cuban hams, which are
 easily audible here 24h, including daylight hours. I'm convinced that R. Sandino transmit-
 ted from a site in CAM, probably C.R. due to sympathetic anti-Somoza sentiment there (David
 Crawford, Oak Hill FL) OK, but how do you explain Habana playing Sandino over the satellite
 circuit to the USSR which inadvertently re-transmitted it? (gh)

R. Rebelde and Comandante David have finally been discovered by US media--Scripps-Howard's
 R.H. Boyce had a story "Radio Stirs Ghost of Castro's Start" which appeared in the 3/11 Knox-
 ville News-Sentinel: "A clandestine stn has begun broadcasting criticism of Castro and pre-
 dicting a 'new and real' Cuban revolution. It may be the first glimmering of coordinated op-
 position to the Castro regime, but so far it has given few details of an organized anti-Cas-
 tro movement, if there is one. The SW stn, on 7130 kHz in the 41-m band, was widely heard in
 Cuba, say diplomats here in Washington, and monitored by U.S. intelligence. Cuban diplomati-
 sources asserted it was unlikely a clandestine could operate in the Sierra Maestra mountains
 as claimed, and suggested it may be on a nearby island. They also labeled it "another of
 Carter's anti-Castro moves". U.S. officials denied involvement. The first broadcast lasted
 for about one hour at 9 p.m. Oct. 30. A man speaking fluent Cuban dialect Spanish called
 himself Commander David--the same sobriquet Castro used when he spoke over his "R. Rebelde"
 in the 1950s. Much static was heard and intelligence sources said this may indicate attempt-
 ed jamming by the Castro regime. 'The new and real revolution of the Cuban people is begin-
 ning to bear fruit,' Commander David said in the broadcast. He referred to the "Revolutionary
 Cuban Armed Forces" but gave no info as to the size of that presumably guerrilla force, nor
 on what it intended to do." gh: I wrote a letter to the editor explaining that we DXers had
 been hearing Comandante David for a long time, that he is not taken seriously by us, and that
 if intelligence sources have just now discovered him, they're doing a rather poor job (gh)

Alderean Broadcasting (ABC) stns include Moonshine Radio which might have tested GMT Sun
 after 0300 4/11, 11/11 or 18/11 on 7355 or 6210; Green River Radio might simultaneously, 20
 kHz apart, per FRC-USA; Voice of the Bayou Country slogan has been replaced by "The SW sta-
 tion that tells it like it is". Per a sheet in the same envelope, there exists a contest to
 find a new slogan other than VOBC thru 27/11; first prize, a guest appearance on G.R.R.; 2nd
 prize, pennant & bumper sticker and air mention; 3rd, bumper sticker; 4th, news letter. Are
 FCC agents eligible to compete for first prize? Hi (Joel Rubin, CA)

Pirate Radio New England, hrd 12/11 at 0510 on 3240, then from 0515 on first harmonic 1620;
 off at 0959:50 GMT. They said they signed on at 0500. Time checks in EST; rock mx, pop, wx
 report was same as my QTH; "Welcome to free channel sixteen-twenty..." "Captain Jeff Bly";
 phone 212-834-9906. I called and interviewed them--said they were definitely in New England
 xmtr on "PRN Mountain"; at least 100 watts; antenna home-made; said they were going to send
 out QSLs once a month, with the first mailing Mon 12/11. Also said on the air that they hope
 to start PRN International on SW soon. Said they have gone thru extreme measures and aggra-
 vation to avoid detection; that their QSL is a work of art. Look for a new pirate soon--WGAB
 One minute of Turkish lessons; said there would be much pirate activity this winter (Peter
 Schipelliti & Mike Agner, MA)

R. Sunshine; R. Free San Francisco LN-14
R. Freedom (formerly R. Kathy) began 8/7/79 on 6230, actively supporting the FRC in Britain,
 including proposal to legalize low power local stns on MW & VHF; and that the 6.2-6.3 MHz
 band be open to such stns under government discretion; SW xmtrs of 15 & 30 watts (Burden)

European Music Radio - a reminder of the 16/12 test to NAM; cf Nov LN-10; Benelux unhrd (gh)

Ireland 'Pirate radio wins a victory' of sorts in their campaign to overthrow the Irish government's monopoly on radio broadcasting. A bill legalizing privately owned radio stns will be introduced soon in the Dail, Ireland's national congress. It would set up a local 'radio authority' similar to the FCC. The bill was introed after many pirate radio operators began luring listeners away from RPE /sic/, the govt-owned net. Many pirates are expected to apply for licenses under the new plan, since another bill is expected to be introed at the same time which would set up severe penalties for pirate operators (Neighbor Newspaper, Tampa 8/11)

R. Big Daddy (Cf Nov LN-10) Hrd for 2 days in Sept on 4970, 5020 and 5950 at 1600-2000, MOR mx only (Richard Ginbey, DX Juke Box 8/11) Hrd 24/10 to 29/10; also R. Danny Boy on 4770 5950 at 1600-1800; also 9495 11920 11950 15260; 7210 9520 also tests; source seems ZRBC Zimbabwe (Richard Ginbey, SCDX 13/11) I may have some of this mixed up; hard copy not in yet (gh)

R. Hot-Chocolate Australia doesn't have the proliferation of Sun morn 6 MHz hobby pirates so common in Eu. But this stn will be back again, after some years absence, on a freq TBA, around 15/12; special QSLs; more info via ARDXC, Box 227, Box Hill, Vic. 3128 (ADNX)

V. of the Tibetan Housewives. Not much has been said about this rather interesting Asian station, which first came on the air about five years ago. It's only low power on SW but an increase is expected shortly. We may have exact sked next month (Nov ADXN) Indeed (gh)

R. Clandestine (a pirate), hrd 4/11 Sunday 0730-0810 on 3882, rock mx "broadcasting from somewhere off the North American Coast". Also on 3890, another pirate with continuous jazz and rock, no ID hrd (Jean-Jacques Bloch, MD)

FUTURE PLANS BRASIL Responding to a 1/10 letter, R. Brás said they expected bad reception conditions on 15290 to be solved pretty soon, when they begin broadcasting in other languages, within 2 or 3 months, which will imply the changing of their current fqs (Charles Kristan, PA)

FRANCE/GABON LN-14

HAITI CONATEL of Haiti, in keeping with govt regs adopted 12/10/77, can no longer authorise ISWBC privileges to private organisations. Such can only be issued by order of higher executive authority. R. 4VEH has been informed that it will be notified when to terminate operations on its present 25 and 31m frequencies. The only SW fqs then available to 4VEH would be in the tropical SWBC bands such as 90 and 60 metres (Conseil National des Télécommunications via NL) Recent (mid-Nov) check of 4VEH on 11835 found it still on (gh)

ISRAEL There has been an indefinite postponement of Kol Israel's prime-time service to North America due to budgetary difficulties and other problems. No target date has been set (Ben Dalfen, KI DX Corner 28/10) Cf Nov LN-2

NETHERLANDS (Cf Nov LN-9) The Dutch RTV pgm journal "Televizier" in its 13/10 edition said that RN, per its Annual Report for 1978, was thinking of expanding its existing foreign-language broadcasts despite the organization's somewhat difficult financial situation. RN currently broadcasts in AR, EG, FR, IN, PT, SP, Papiament and Sranan Tongo (Surinamese) and there were now plans for regular broadcasts in Chinese, Japanese and Russian in an attempt to improve its competitive position (WBI 1/11)

PORTUGAL R. Portugal planned changes for M80: 21530 ex-17895 in all xmsns; 17845 ex-15200 at 1430-1800; 21740 ex-15340 at 1800-2030; 0330-0530 to region X will use 6185 ex-6025; and 0400-0600 I reverts to 6025; otherwise, same as D79 (NL)

R. Renascença, private catholic stn said its appeal for funds to re-equip stn with new xmtrs was making progress and had reached half-way mark. Every Fri it BCs a list of contributions dlected supporting installation of SW facilities. Most generous contributions from abroad have come from Portuguese migrants in W. Germany and Brazil (WBI 18/10)

TANZANIA (ZANZIBAR) The 3339 xmtr is 10 kW, fouled dipole antenna, 15m high since 8/9/79 up to now we are in a Quarterpower, for a special case. We hope to get a better result when we switch on a full power, during 8 weeks time (Mohammed Said Abdulla, Transmitter Incharge, Zanzibar, 28/10, via John C. Onken, Roanoke IL)

U K O G B A N I In late October, the British government called for the cut in BBC external services funding to be reduced from 4 million pounds to 2.7 million, which would be met by dropping broadcasts in these languages: French, Italian, Greek, Turkish, Spanish to Europe, Maltese and Burmese. A great deal of opposition to this was expressed by listeners, in the British press, and in the House of Commons, with the result that on 13/11, Mrs. Thatcher yielded. Instead, the govt will defer capital expenditures on overseas radio transmitters. While this is nice for the Maltese &c., it means that our reception of the WS will not improve and may deteriorate. There had been plans, for instance, to feed all relays via satellite, which would have meant a marked improvement in audio quality via Antigua, Ascension, etc. (gh; info from numerous sources) BBC has signed a contract for 4 x 250 kW xmtrs to be installed at the VOA relay base at Woofferton (Arthur Cushen's DX World, 4/11)

U S A / U S S R RFE/RL requests for accreditation to cover the 1980 Olympics may spur a crisis, as the USSR is 'categorically against the presence of even one of these stations. Every thing will be done to prevent their being here. We make no secret of that.' per Sergei P. Pavlov, Soviet Minister of Sports. IOC VP Willi Daume says it's an 'explosive matter', especially as the U.S. political campaign will be underway, with human rights and freedom of the press major issues in Carter's ideology (John Vinocur, NY Times 11/11, via Kent Sidel. TN)

DX PROGRAMS AUSTRIA "Shortwave Panorama" at 0300 Suns is being killed as of D79, as had been planned since we began the 2305 broadcast (David Hermgies, ORF) A pity, since reception at 0300 turned out to be much better than at 2305 (gh) ORF's German DX program Sun at 0925-0930 includes some very up-to-the minute DX news. ORF has a French DX program in the Fri 0800, 2030 and Sat 0200 broadcasts (NL)

CANADA RCI French DX pgm is in the Sun 1830, 1930, 2030, 2100; and Mon 0100, 0200 and 0330 broadcasts (NL)

ECUADOR HCJB French DX pgm now Mon 0645, 2045, Tue 0215, Fri 0630, 2030, Sat 0200 (NL)

HUNGARY Topics for December "DXers' Weekend" pgms on R. Budapest, Sats 2100+, Suns 0200 and 0300: 8-9: TV relay cars on stamps and outdoor broadcasts; 15-16: history and membership of the RB SW Club; 22-23: Programme plans following the 1979 WARC in Geneva; 29-30: Some of R. Budapest's 'firsts' (Budapest International, 12/79)

ITALY Play-DX presents its own DX program, in Italian, Sun 0830-0900 on IBC 6251.5 (Dario)

JAPAN Since 15/4, JOOR-1179 Osaka has a DX pgm Sat 1700-1730 /GMT? -gh/, "Koji Yamada's BCL Life" (NL)

SWEDEN SCDX now has 2 more minutes of airtime, in English broadcasts (SCDX 30/10)

U S A "World of Radio", weekly half-hour pgm of SWL features, DX news, etc., produced by gh, now sked Sats 1800-1830 on WUOT, 91.9 MHz, 100 kW FM; some stations elsewhere in the country have expressed interest in carrying it; watch for further details (gh)

U S S R R. Moscu has a weekly 10-min DX Club pgm in Spanish, Tue 2140, Wed 2040, Thu 1910; host is Andrés León; fqs 9450 9470 9610 and 7420; also will be in the C&LAm xmsns (RMDX 3/11)

PROGRAM NEWS CANADA "Gee, That's a Cute Dress, Marjene" was suddenly dropped by CBC and replaced by "The Bob Harper Show", also 'satire', Sats 1630 on the NS. Actually started at 1634 17/11, revealing that it was originally produced for a 25-minute slot. Something fishy here (gh)

MEXICO R. México, 15430, has a very interesting news bulletin at 0315 called "Teletipo"--many items from radio monitoring, e.g. R. Democracia, LN-11 (Jean-Jacques Bloch, MD)

UKOGBANI As usual, BBCWS goes all-out with much special programming the last two weeks of December, much of it secular. Full details will be in the December REVIEW OF INTERNATIONAL BROADCASTING. You might otherwise try monitoring "In the Meantime" Thurs 2120 & Fris 0150.

PUBLICATIONS Review of International Broadcasting, a monthly magazine in plain English about programming on shortwave, and clear-channel medium-wave. You get loggings, schedules, QSL info, etc., from FRENEX; you find out how to enjoy listening to broadcasts from RIB. Most people who have seen a sample copy enthusiastically subscribe. Find out for yourself; send \$1 to RIB, Glenn Hauser, University Radio WUOT, Knoxville TN 37916. A 12-issue subscription is \$12 (gh)

The Intrusive State, talk series now being re-run on BBCWS, is available in print transcript booklet, for 50 pence from Audience Research Dept., BBC External Services, Bush House, London (December London Calling)

Towers to Eternity is a free book with the history of TWR, including photos of relay bases. It was offered during their August TV special. Request from TWR, Box 98, Chatham NJ 07928 (Woody Seymour, Sanford NC)

Nothing Could be Finer than a Crisis that is Minor in the Morning is a new 202-p \$9.95 Holt, Rinehart & Winston book compiling some of Charles Osgood's best "Newsbreak" stories (CBS) If you don't find these broadcasts on your local CBS, they're on AFRTS Mon-Fri at 1411 and 1824. I try never to miss them--except when Osgood is on vacation (gh)

The Invisible Threat, scare article on biological effects of electromagnetic waves from 60 Hz to microwaves, appears in the Sept. 15 Saturday Review (Hugh Miller, Seattle)

Elementary Electronics, Nov-Dec, contains several interesting articles--a review of the Zenith R-7000 portable; understanding SW receivers; guide to propagation and band condition reports; using antenna tuners; and frequency counters (Rufus Jordan, Pittsburgh PA)

World Radio-TV Handbook 1980 cover price in USA & Canada is \$14.95; please order from a sole agent. Elsewhere in the world, prices in US\$ are 18.00 (+\$4 for airmail); and for three updating Newsletters, available only directly from Denmark, \$8 airmail (NL)

DX Front Line "world's first and only DX magazine specializing in Indo-China", we continue to recommend highly. Editor Isao Ugusa presents careful observations of official and unofficial stations, reproduces and translates skeds and articles. Continuing features include broadcasting in S. Korea; Thai for DXers. Samples \$2 or one pound sterling or 4 IRCs, from Isao Ugusa, 1-3-10 Mikage-yamate, Higashinada, Kobe, 658, Japan (gh)

Indo-Chinese DX Review, smaller publication, largely reproducing info from DXFL. I don't quite see the point of it. Samples \$1 or 2 IRCs; edited by NASWA member Komai Sigeoyuki, c/o Mr. Matsumura Sigeo, 20-4 Nisiokaya-tyo, Hukakusa, Husimi-ku, Kyoto-si 612, Japan (gh)

LAST-MINUTE INFO

BHUTAN NYAB sked on 4690 and 7040: Sun 0600-0715 Dzongkha, 0715-0800 Nepali, 0800-0900 English. Wed 1100-1215 Dzongkha, 1300-1400 English, 1215-1300 Nepali. Nx in EG 0830 (Babul Gupta, SCDX 20/11)

CHAD N'djamena is now back on 4904.5, having been off the air since early Feb following the civil war; hrd various times 1700-2017* in FR (Heinz Purman & Georg Steidinger, both W. Germany, and Anker Petersen, Denmark, SCDX 13/11)

COSTA RICA (cf LN-3) The jammer against R. Noticias on 9615 emits a warbling sound; sometimes resembles RTTY slightly but is more like the jamming used by Chile shortly after the coup there (SWNS)

DOMINICAN REPUBLIC RTVD IS noted on 5967 9/11 with EG ID at 2254 by YL (SWNS) Had been off.

FRANCE/GABON RFI would receive the same allocation in 1980 as in 1979, which might not be enough, per the Foreign Minister, but it should be remembered that 700 million francs had recently been made available in 1980 for xmters in Gabon to boost audience figures in Africa

GUATEMALA La Voz del Mundo operates on 6090 at 1200-0300; R. Maya on 2380 (sic) (WBI 15/11) and 3325 at 1130-0300; R. Rumbos on 2420 at 2300-0900 & 3630 0900-2300 // 1210 (José Luis Oliva, Mexico, SCDX 20/11) I seriously doubt Rumbos follows any such schedule on unintentional harmonics (gh)

INDONESIA RRI Jambi, 4927, hrd *2228-2236, unusual at this hour; first hrd by Cedric Marshall and Mike Bolitho (Syd Osterman, Toronto, 14/11)

NEPAL R. Nepal's ES pgm in EG to India is obs 1435-1520 on 7174, not 5008 or 3245 (WBI 15/11)

TAIWAN WOPC new sked in EG: NAM 0100-0200 on 11825 15345; 0300-0350 11825 15270 15345; 2140-2240 9685 11825 15270. To Au same times on 17890. To Eu/Af/ME 2130-2230 on new 9610, 11725, 11860, new 15125, 15225 (Miki Včelaf, RSA, via Steve Webster, RCI DX Digest 18/11)

U S S R All-Union Radio SW fq usage: First Pgm, 0200-2200 to Eu USSR: 15470 06-13, 15435 05-13, 12045 05-16½, 11920 06-17, 11910 05-15, 11760 12-16, 11735 06-15, 9800 06½-16, 9795 04½-20½, 9775 04½-14, 9490 19-19½, 7440 02-15, 7420 02-16½, 7350 02-06 & 17-21, 6185 02-07, 6125 02-04, 6075 15½-21, 6000 02-06, 5920 02-07, 5910 02-08 & 16-22. First-A for FE USSR 1900-1500: 15460 23-09, 15310 00-08½, 6000 22-24. First-B for E. Siberia 2100-1700: 15545 03-08, 15480 03-13, 12040 03-13, 11845 02-04, 11720 02-04, 9810 02-17, 7355 21-03 & 11-15, 7345 07-12, 7335 21-02, First-C for W. Siberia 2300-1900: 15535 05-14, 15275 03½-10, 15140 03-11, 11750 05-12, 11700 04-11, 11630 06½-13½, 9790 03-15, 9740 01-05, 9690 01-17, 9590 12-16½, 9575 05-14½, 9490 23-19, 7380 23-07, 7345 14-17, 7325 15-19, 7210 23-05, 7200 23-03, 7145 23-03, 6200 23-03, 6090 23-02, 6080 00-03, 5995 23-03, 5970 23-03, 5950 01-03½, 5900 23-04 & 14-19. Third Pgm (Culture & Classical Music) 0400-2000: 11690 05-16, 9570 04-16½, 9540 04-16, 7255 17-20, 6155 15-20, 6055 16½-20, 4860 15-20. SSB feeders (L=lower, U=upper) as of 12/11, constantly changing: First Pgm: 16030U 02-18, 12250-L 02-18, 9150L 13½-15 & 19-03½, 6808U 16-22, 5830U 18-22. First-A: 18830L 01-10½, 18285U 04-10½, 15490L 02-10½, 13590 10½-13. First-B: 14850L 03-12, 10690U 02-11, 7925L 12-17, 6987½L 21-03. First-C: 19845U 02½-14½, 16330U 03-15, 16250½U 23-08 & 15-19, 13820U 03-17, 12250L 00-02, 12205L 02½-15, 8125U 15-19 & 23-03, 6890U 17-19 & 23-02, 6825L 16-19 & 23-03, 6822½L 14½-19 & 23-03. 6808U 00-04, 5290L 23-03 & 15-18½ (WBI 11/79)

(Cf LN-6) R. Habana via USSR: 2100-2200 FR on 7140 or 7135; 2200-2300 EG 7140 (Graham Smith Scotland; Raymond Forward, England; Johannes Rath, W. Germany, SCDX 13/11) 9610 at 2200 in PT and EG on different days (Keith Hatcher, Spain, *ibid.*) EG 2200 7135, strong (Paul Walton, Nov WDXC Contact)

UZBEKISTAN (cf LN-3) R. Tashkent 11785 is 240-kW Arnavir xmttr, at 1200 since 23/10 (Oliver T. Goonawardena, Sri Lanka, UADX Nov) Used to be that R. Tashkent was one Soviet regional we could depend on being transmitted from its own SSR; not any more (gh)

BRAZIL (oops) On 9675, new name for R. Diário da Manhã, Florianópolis SC, is R. Marumbi (Play-DX 22/10) Marumbi, new stn with 10 kW, ZYE890. (Cláudio R. Moraes, WRTH LA Nx 21/10) Just as well; no one could pronounce R. Diário da Manhã (gh, RCI DX Digest) New ID confirmed (gh, listening to Dave Walcutt's tape) I hrd R. Tupi, Rio quite often on the first harmonic of 11765, that is 23530 kHz (Emilio Pedro Povrzenic, Rosario, Argentina, 18/10) So have I; but the first harmonic of 11765 is 11765 (gh) R. Tapáio, hrd at 0740 on 3295; not the one usually reported on this fq (Stu Klein, FL, 10/11)

HAITI (oops) The "R. Familia" listed on 1410 (and its 4th harmonic) earlier is actually a program about family planning on 4VTS, La Voix du Nord-Ouest (Arctic R. Club via IRCA)

C L A N D E S T I N E Voice of the People of Malaya, low-power Maoist, probably near the Thai-Malaysian border, operates on 7020v at 1130-1315, 1430-1500, 2130-2200 & 2230-2315 in Malay and Chinese languages (Victor Goonetilleke, UADX, via DSWCI SW News)

Voice of Lebanon (cf LN-8) (yes, I am undecided about its clandestinity -gh) pro-phalangist stn on 6550 and that from 12/11 it would extend xmission to 0415-2115 daily, mainly AR, but some items in evening in Armenian, EG & FR (WBI 15/11)

R. Sunshine was to begin tests in late Sept or early Oct probably in or near 31mb with 100 watts, from a yacht in the Windward Islands, 0800-0900 on Fri and/or Sat. Reports to 62 Eli-zabeth Park, Northing Post Office, Barbados (SCDX via Nov NNRCC) Could be 6-yr old item (gh)

R. Free San Francisco may be on air near 41 or 49mb, anti-Gay, anti-Castro (Douglas Frerr, of the stn, via Nov NNRCC)



• Editor: Myron Smith
36 Ogden Ctr. Rd., Spencerport, NY 14559

DECEMBER 1979

North America					North America							
Reporter/Location	C/H	C/V	CH CV	Best QSL	Reporter/Location	C/H	C/V	CH CV	Best QSL			
1 James Young, Calif	222	211	23	19	Montserrat	48	Hadley Cress, Va	171	7	19	1	Turks
2 John Tuchschr, Wisc	221		26		CKFX	49	Charles Wootten, It	170	141	14	12	Turks
3 Ernie Behr, Ont	219	200	25	21	Turks	50	Martin Foltz, Mich	170	120	20	17	CKZN
4 Irving Johnson, Cal	219	72	24	5	Greenland	51	Don Moore, Pa	170	103			
5 Dan Henderson, Md	218	203	21	20	CKFX	52	Ben Radcliff, Ill	170	98	16	14	CKFX
6 Sam Barto, Conn	216	206				53	Terry Krueger, Fla	170	98			
7 Richard Pistek, Ill	215	212	22	22	CKFX	54	Michael Agner, Mass	165	89	19	10	CKZN
8 Bob Padula, Austrl	214	206				55	Jerry Lineback, Ill	164	100	17	12	Turks
9 Al Sizer, Conn	213	209	21	21	Baru, Pan	56	Jeff O'Donnell, Pa	160	96	16	8	Reloj
10 Bill Sparks, Calif	211	206	19	19	H0H31, Pan	57	Neal Kolb, Fla	160	75	19	9	
11 Marlin Field, Mich	211	205	22	22	Casa Cult	58	David D'Angelo, Pa	158				
12 Edward Shaw, Ky	210	199	20	18	CKFX	59	Andre Pineault, Que	157	129	17	14	Greenland
13 Edward Kusalik, Ont	210	190	22	20	Turks	60	Paul Buer, Fla	156	131	20	16	WDAB
14 Alan Mayer, Ill	209	185	20	19	CKFX	61	Niel Wolfish, Ont	156	105	16	14	Casino
15 Bill Whitacre, Mich	208	181	18	15	Antigua	62	Brian Cartwright, Pa	156	35	16	6	Windward
16 Paul Routenbrg, Ont	208	172	19	17	Voyager	63	Dave Twiggs, Conn	155	100	2	2	Capital CR
17 Jerry Berg, Mass	207	202	22	22	Swan Is	64	Brian Alexander, Pa	155	69	17	7	WDAB
18 Dan Robinson, DC	206	167	18	14	CKFX	65	Michael Salady, Ohio	154	90	15	9	Voyager
19 Roger Legge, Va	205	180	28	25	St Kitts	66	Dave Valko, Pa	154	86	14	11	Belize
20 Albert Garrou, Ill	204	150				67	Henry Lazarus, La	153	143	20	19	Landia
21 Serge Neumann, Ind	201	183				68	Dan McCarthy, Fla	152	129	18	17	Swan Is
22 Myron Smith, NY	201	165	22	20	Greenland	69	Charley Hoffman, Pa	150	120	16	14	Greenland
23 Al Niblack, Ind	200	130				70	Robert Smith, NJ	149	96	13	7	Mam
24 Jim Fedor, Calif	200	126			CKZN	71	Mitchell Taylor, Ga	148	99	15	12	Mil
25 Victor Jaar, Que	199	4	22	1	Greenland	72	David Margritz, Neb	147	85	22	12	
26 Al Miller, Ohio	198	184	20	19	CKFX	73	John Huniwell, NJ	146	121	16	15	Belize
27 Gerald Bishop, Pa	196	147	22	17	CKFX	74	Bill Reynolds, NY	146	93	12	6	Neth Ant
28 Neal Perdue, Ala	196	55				75	Tom Overcamp, SC	145	125	17	16	Turks
29 Joe DiLeo, Conn	194	181	20	20	Turks	76	Bob Pierce, Mass	144	83	19	16	
30 Tom Gavaras, Minn	191	155				77	John Onken, Ill	143	116	2	2	KGEI
31 Larry Abraham, Mich	189	158	20	19	Greenland	78	Ralph Alm, BC	141	98			
32 Mike Ryan, Calif	187	157			Panama	79	Lauren Ware, Va	141	49	14	4	Grenada
33 Andy Robins, Mich	186	133	19	16	CKFX	80	Roly Desrosiers, Ma	140	107	16	15	CKFX
34 Chris Lobdell, Mass	182	169	21	19	Turks	81	James Smallwood, Al	140	106	18	17	Panama
35 Ron Howard, Calif	181	153	18	17	Turks	82	James McClure, Ky	140	77			
36 Jim Uerlings, Ore	180	15	11	2		83	Conrad Richardson, Val	140	11	20	2	Greenland
37 John Sgrulleta, NY	179	179	21	21	Turks	84	Dan Prisco, Pa	139	111	16	13	Voyager
38 Kent Willis, Ky	176	134			Greenland	85	Vladimir Cucura, Pa	139	71			
39 John Herkimer, NY	175	160	20	19	Turks	86	Philip Wala, Calif	138	102	14	13	Belize
40 Troy Gover, Ill	175	143	16	16	Greenland	87	Greg Ravenhorst, Mn	138	100	14	13	Yellowstone
41 Steven D'Adolf, Mas	174	141				88	Allan Courtney, Ky	138	53	16	5	Turks
42 Alex Vranes Jr, Pa	173	126	16	15	Citadelle	89	Mike Hardester, Cal	137	122	14	12	Turks
43 Douglas Wicks, Pa	173	120	17	15	CKFX	90	Bill Harms, Wash	137	81	15	10	CKFX
44 Bobby Hobbs, NC	173	104				91	Jim Douglass, Pa	136	108			
45 Albert Muick, Pa	172	118				92	Steve Kennedy, Fla	136	92	16	15	CFCN
46 Albert Cannon, NC	171	146	17	14	CFVP	93	Stephen Pitts, Ore	135	107	14	13	CFVP
47 Brett Saylor, Pa	171	95	16	14	CKFX	94	Carl Durnavich, Ill	134	77	17	9	Swan Is

North America							North America						
Reporter/Location	C/H	C/V	CH	CV	Best	QSL	Reporter/Location	C/H	C/V	CH	CV	Best	QSL
95 Mac Leonhardt, Ind	133	70					138 Marjorie Burns, Ill	95	71				
96 Stephen Porter, Con	132	66					139 Lenny Saaf, Ill	91	31				
97 George Link, Calif	131	90					140 William McDavitt, NY	88	74				
98 Peter Schipelliti	131	54	16	6	CKZN		141 Bill Algeri, Pa	88	59	12	9	VOA	
99 Jim Hilliker, Calif	128	91	14	10	Belize		142 Robbie Berezowski, Al	87	62	13	7	4VEH	
100 Terry Colgan, Tex	128	38					143 Chris Pygott, Ont	86	64				
101 Sholom Glikzman, Il	127	78	15	8	CKFX		144 Dave Maxfield, Mich	86	12				
102 Edward Pyatt, Pa	125	114	3	3	CHNX		145 Mickey Delmage, Man	85	78	14	12	Progreso	
103 Adam Gaffin, Mass	123	80					146 Edward Stroh, Ill	85	68	11	8	TIFC	
104 Hans Johnson, Tex	122	80	14	9	Nicaragua		147 Clarence Willson, Tex	78	58				
105 Kevin Mikell, Ill	121	96	15	14	CKFX		148 Roger Reini, Tex	74	37				
106 Robert McIntosh, On	121	75	12	8	CHNX		149 Kevin Meyer, Peru	73	61				
107 Terry Moon, Calif	121	72					150 Terry Concannon, Cal	71	52	10	8	CKFX	
108 Gerald Word, Ga	120	101	15	15	Belize		151 Terry Weinbold, Pa	71	46				
109 Baxter Hensley, Tex	120	101					152 Joe Dias, Calif	69	52				
110 Bob Ottaway, Colo	120	81					153 Dennis Kelly, Mo	68	48	11	6	TIFC	
111 Tom Haskett, Ind	119	99	5	5			154 Norm Newhall, Conn	67	47			CHNX	
112 Jay Hamilton, SC	119	81	14	7	Huayac'lal		155 Jerry Schmidt, Wisc	67	42	9	5		
113 Larry Cunningham, O	117	41	15	4	Huayac'lal		156 David Labossiere, Cn	66	55	9	7	Neth Ant	
114 Robert Goss, Tex	115	81	12	8	CKZN		157 Steven Shaffer, Ind	66	39				
115 Robert Wallace, Hi	114	88	9	7	HRVC		158 Gerald Clark, Ind	63	49	10	6	XERMx	
116 Timothy Noonan, Wis	113	80	13	8	Mil		159 James Trame, Tenn	63	44	10	7	CKFX	
117 Charles George, Tex	112	82	14	10	CHNX		160 Kelvin Watts, Austla	62	33	1	1	CKZU	
118 Steven Sbordone, Fl	111	63					161 Joe Kremer, Del	62	19				
119 Tom Blossom, Ohio	110	97	15	13	Greenland		162 Terry Klaser, Mo	60	32	4	2		
120 Robert Viau, Que	110	96	16	12	Martin'uel		163 Robert Zajda, Mass	58	41				
121 Dan Morisseau, Neb	108	38	14	4	CFVP		164 Rita Vermetti, Kwa	55	51	5	4	RCI	
122 David Schweikart, Va	107	77	14	10	CKFX		165 Duke Rice, NC	55	46				
123 Gary Biasini, Alta	107	50	13	5	HRVC		166 Martin Deifin, Tex	53	51				
124 Mildred Marshall, ND	105	92	13	12	Clarín		167 William Krause, Minn	53	34	7	4	Grenada	
125 William Mann, Ont	105	89					168 Bill Taylor, Pa	52	39	6	5	RCI	
126 Mike Brooker, Ont	105	78					169 Ron Carbis, Calif	51	28	7	2	CKFX	
127 Arthur Burke Jr, Fl	105	64					170 Ed Dye, Mo	50	31	6	3	VOA	
128 Ken Kashiwabara, Cal	102	72			CKFX		171 Paul Brouillette, Mch	48	37	9	8	Mam	
129 Greg Danylichenko, On	101	76					172 Thomas Semsky, Ind	48	23	6	3	4VEH	
130 Chris Leithner, Ten	100	82	14	11	CKFX		173 Lexington Smith, NY	46	25				
131 James Mulvey, NY	99	79					174 Jeff Finlay, Ohio	42	10				
132 Gene Eastman, Tex	99	54	16	8	Costa Rica		175 Don Warner, Ohio	40	22	7	1		
133 Ted Muszynski, Conn	98	45	12	5	Belize		176 Charles Dumont, Que	34	19	4	2		
134 Darryl Holland, NY	98	43					177 Walter Swaim, Fla	34	17	5	1	RCI	
135 Darryl Greenes, Mass	96	21					178 Steven Sahnov, RI	23	20	4	4	TWR	
136 Stephen Ponder, NC	95	74	13	12	Windward		179 Richard Austin, Ky	17	7				
137 Thomas Lebryk, NJ	94	58											

If you looked for your name and it is not there any more, it means you have not updated your totals in the past year. All you need to do is send me a report, and I will put you back on. How about the rest of you sending me your statistics? Just send me the numbers, not a list of countries, and do it by February 15. The spotlight will be on AFRICA. Also, in line with the recent decision by the NASWA Country List Committee, those of you who are reporting best QSLs between 1605 and 2000 kHz will have to send me new "bests".

Have a happy holiday, and hope to hear from you all by Valentines Day. 73's

NOTICE: I am interested in taping by cassette with North American SWL's. If interested, write to Rob Harrington, 3181 South York Street, Englewood, CO 80110.

FOR SALE: SSR-1 with modified selectivity, \$125 or best offer. Postpaid UPS with insurance. WANTED: Q-multiplier or plans to build one. Thomas Lebryk, 13 Becker Terrace, Irvington, NJ 07111.

FOR SALE: Drake SW-4A with MS-4 speaker, loop antenna, and Gilfer preselector/preamp. \$200 or best offer takes the lot. Also for sale: Heath GD-125 Q-multiplier (not suitable for use with SW-4A), \$200 or best offer. Dan Morisseau, 31003 14th Avenue South, #D19, Federal Way, WA 98003. Phone (206) 839-8348 (not collect).



QSL COLUMN

GREGG BARES



ADMIRALTY IS: R. Manus 3905 f/d map cd in 4 wks for 1 IRC (Lazarus-LA). same w/ PNG stamps in 6 wks for 1 IRC via Boroko (Smallwood-AL).

AFGHANISTAN: R. Afghanistan 15075 f/d cd in 45 ds for 2 IRCs (Fisher-MA). in 71 ds for 2 IRCs (Blom-NY).

ALBANIA: R. Tirana 9747 f/d "Revolutionary" cd in 77 ds for 1 IRC (Hagstrom-ID). 9750 cd in 77 ds (Semesky-IN).

ANGOLA: R. Nacional-Luanda 3375 f/d EG ltr in 7 wks registered mail for 2 IRCs. v/s Antonio Jose dos S. Ramos de Almeida (Lobdell-MA). 7245 & 7001 (-Lobito) f/d ltr in 6 wks for EG rpt & 3 IRCs via reg. mail (Gower-IL).

ANTARCTICA: APAN 6012 cd in 2½ mo, 1 mo after f/up (Perdue-AL).

ARGENTINA: RAE 9690 f/d cd in 80 ds air w/blue & white permant in 80 ds. v/s Carlos A. Alais Rumbado (Durnavich-IL). R. Rivadavia 5882 f/d cd & stkr in 6 wks for SP rpt & 2 IRCs. v/s Jorge Falcone (Lobdell-MA). R. El Mundo 6120 blue date-only cd in 7 wks for SP rpt & ms. v/s Amelia Ferreras, Jefe de Relaciones Publicas y Prensa (Lobdell-MA).

ASCENSION IS: BBC WS 7105 n/d cd in 57 ds (Danko-NJ).

ASIATIC RUSSIA: R. Moscow via Petropavlovsk-Kamchatsky 17700 f/d cd in 30 ds (Glikman-IL). same in 26 ds (Alexander-PA). 12030 & 21565 f/d cd in 38 ds (Dittrich-FL). 12030 in 50 ds (George-TX). in 40 ds, & 15425, 15180, 12030 f/d cd in 32 ds (Buer-FL). via Kenga 11960 f/d cd. in 6 wks (Alexander-PA). in 38 ds (Dittrich-FL). in 40 ds (Buer-FL). via Nikolayevsk-on-Amur 9730 f/d "1980 Olympics" cd in 49 ds (Concannon-GA). 15245 f/d cd in 40 ds, 11905 in 46 ds (Buer-FL). via Khabarovsk 12050 f/d cd in 40 ds, 15405, 15100, 12050 in 32 ds (Buer-FL). Komsomolsk-on-Amur 12010 f/d cd in 34 ds (Buer-FL). via Irkutsk 17730 cd in 50 ds (Buer-FL).

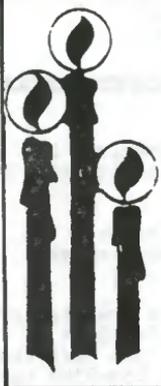
AUSTRALIA: R. Australia via Shepparton 17795 f/d cd in 21 ds (Calderwood-CO) 17890 f/d "Dingo Dogs" cd in 3 wks (Dittrich-FL). VNG 12000 f/d folder in 96 ds for 1 IRC (Hagstrom-ID). in 9 ds. v/s G. Matthews (Wallace-HI). VLR6-Lyndhurst 6150 f/d cd in 33 ds for 2 IRCs (Orcutt-CA). Wanneroo VLW6-6140 f/d cd in 3 wks for 2 IRCs (Orcutt-CA). VLW9-9610 f/d map cd in 20 ds for 2 IRCs (Semesky-IN). VLW15-15425 f/d cd in 19 ds for 2 IRCs (Orcutt-CA). VLI6-Sydney 6090 f/d map cd in 11 ds for 1 IRC (Wallace-HI) same in 19 ds for EG rpt & 2 IRCs (Cucura-PA).

AUSTRIA: ORF via Moosbrunn 9770 cd in 83 ds (Moore-PA). f/d cd in 79 ds for 1 IRC (Fraser-MA). f/d "Snail w/Castle" cd in 54 ds (Semesky-IN). in 85 ds (Clifford-OK). f/d "Proksch Art" cd in 69 ds (Danko-NJ). f/d "Sunset" cd in 43 ds (Cobb-OR). 15260 f/d "Phantasmogorical Landscape" cd in 70 ds for 2 IRCs (Carbis-CA). 21735 "Artist Portrait" cd in 24 ds w/lots of tourist info for 3 IRCs (Watts-Australia). via Aldrans 6000 f/d cd in 60 ds for 1 IRC (Moore-PA).

IMPORTANT NOTE--PAGE FOLLOWING YUGOSLAVIA.

Radio
 Republik
 Indonesia
 Nusantara I
 Medan

Jln. Let. Kol. Martinus Lubis No. 5
Medan - North Sumatra
Indonesia



Feliz Navidad - Feliz Año Nuevo
 Merry Christmas - Happy New Year
 Joyeux Noël - Bonne Année
 Frohe Weihnachten - Glückliches Neujahr
 Feliz Natal - Feliz Ano Novo

تبریکات میلاد مجید
 مع الیوب التهنیات



COLOMBIA:

Ecós del
Combeima
4785 f/d
form ltr &
personal
note in
100 ds for
ms (Durn-
avich-IL).

COOK IS: RCI
f/d cd in
9 mo (Neu-
mann-AZ).
in 2 mo or
2nd f/u,
yr after
orig., for
2 IRCs
(Kusalik-
ONT). in 21 ds for 3 IRCs. v/s Nooroa E. Tangaroa, Dir., Head Tech. Power 500 watts. (Watts-Aust.).

COSTA RICA: TIPC 5055 f/d cd in 52 ds w/ltr from Mary H. Steele (Clifford-OK).
9645 f/d cd & ltr in 51 ds for EG rpt & 3 IRCs (Meyer-AK). R. Noticias del Continente 9490 f/d cd by air in 1 mo after f/up for SP rpt & ms (Lobdell-MA).

CUBA: R. Havana 11930 logo cd in 49 ds. v/s Maria Montero Triana (Dittrich-FL). f/d cd in 103 ds (Schlaugat-WI). R. Moscow on 9600 & 11840 relays via Havana is completely ignoring my (FL) rpts, anyone having any luck? (Buer-CZECHOSLOVAKIA: R. Prague 7345 f/d cd in 60 ds (Hagstrom-ID). 11990 f/d cd in 77 ds (Concannon-CA). 2 f/d cds in 80 ds (Hasselkus-OH). f/d cd. in 84 ds (Mayer-OH). in 100 ds (Schlaugat-DENMARK: R. Denmark 15165 f/d cd in 15 ds for EG rpt & 1 IRC (Hasselkus-OH). DODECANESE IS: VOA-Rhodes 7110 f/d cd in 1 mo v/s B. Green (Frisco-PA). ECUADOR: HCJB 9745 f/d cd in 23 ds for 1 IRC (Danko-NJ). in 25 ds (Semesky-IN). 11915 f/d cd in 23 ds (Danko-NJ). 17890 in 25 ds (Semesky-IN). EGYPT: R. Cairo 9475 f/d cd in 88 ds (Dittrich-FL). ENGLAND: VOA via Woofferton 6040 f/d cd in 2 wks v/s Kathy Burson (Alexander-CA). 9760 f/d cd in 33 ds (Meyer-AK) 21500 f/d cd in 20 ds. v/s Wayne Greene (Matthews-OH).

EUROPEAN RUSSIA: R. Stn. Peace & Progress 15140 f/d cd in 23 ds (Buer-FL). 21500 in 34 ds (Semesky). R. Moscow via Moscow 9530 & 11630 f/d cd in 38 ds (Dittrich-FL)...more.....

EUROPEAN RUSSIA: R. Stn. Peace & Progress 15140 f/d cd in 23 ds (Buer-FL). 21500 in 34 ds (Semesky). R. Moscow via Moscow 9530 & 11630 f/d cd in 38 ds (Dittrich-FL)...more.....

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radio veritas asia
VERIFICATION CARD

submitted by
Chris Lobdell



radio veritas asia

Your Report of Our

ENGLISH Broadcast

on 9.590 Mhz. in the 31 MB

on 29 October, 1978

from 1412 GMT to 1458 GMT

has been verified against our log and found to be correct. Please write again. Thank you.

Malinao
Ms. Larissa P. Malinao

Audience Relations Officer



RADIO CAIRO

series card

SABC

WITH COMPLIMENTS

SOUTH AFRICAN BROADCASTING CORPORATION.
P.O. BOX 8606, JOHANNESBURG.
SOUTH AFRICA

Our Station Paradys (Bloemfontein) 20 A.W.
Heard by you on 41 Metres 7.185 Mc/sec.
At 23.58 GMT on 19th February 1961
For Chief Engineer W. Pot St.



EUROPEAN RUSSIA: R. Moscow via Moscow 9530 f/d cd in 26 ds (Alexander-PA). 9530, 9600, 9550, 11630, 15360 f/d cds in 28-37 ds (Buer-FL). via Armavir 15405 f/d cd in 5 wks (Matthews-OH). 9810, 12040, 15275, 15375 f/d cds in 28-40 ds (Buer-FL). via Gorky 11860 f/d cd in 30 ds (Gliksman-IL). 17830 in 37 ds (Buer-FL). via Kazan 11965 in 37 ds (Buer-FL). via Serpuukhov 15450 in 5 wks (Matthews-OH). 9795 in 50 ds, 15450 in 28 ds (Buer-FL). via Tula 11950 in 4 mo (Tuchscherer-WI). 12000, 15210, 17880, 21490 in 28-50 ds (Buer-FL). via Ryazan 15140 in 37 ds, 17775 in 34 ds (Buer-FL). via Voronezh 12060 in 6 wks (Alexander-PA). in 50 ds, 15295 in 37 ds (Buer-FL).

FALKLAND IS: FIBS 2370 No QSL, just a ltr stating they had not yet rec'd my tape rpt (Perdue-AL).
FINLAND: FIR 15400 "Church" cd per request in 16 ds for 1 IRC (Blossom-OH). 9675 n/d "Lumber" cd in 35 ds (Sershon-IL).

FRANCE: RFI 15360 f/d cd in 19 ds (Cucura-PA). 17720 f/d cd in 30 ds (Blossom-OH). 21595 cd & pennant in 58 ds for 2 IRCs (Watts-Aust.). 21675 f/d cd in 31 ds (Blom-NY). cd & pnt in 2 mo (Moore-PA).

GEORGIAN SSR: R. Moscow via Tbilisi 11800 f/d cd in 26 ds (Alexander-PA). 11805 f/d cd in 34 ds. My 23rd site & 7th republic verified! (Buer-FL).

GERMANY (EAST): RBI 9730 cd in 40 ds (Durnavich-IL). f/d cd in 48 ds (Cobb-OR). 11890 f/d cd in 2 mo for 1 IRC. v/s Rudi Friedel (Miller Jr.-WV). in 51 ds (Hagstrom-ID). f/d "Statue" cd in 50 ds (Shaffer-IN). 11970 f/d cd in 61 ds for 1 IRC (Semesk-YN).

GERMANY (WEST): DW 11850 p/d cd & sticker in 21 ds (Mayer-OH). VOA Munich 3980 f/d cd in 21 ds. v/s Wayne Greene (Desrosiers-MA).

GHANA: GBC 4915 f/d cd in 237 ds for 2 IRCs (Newhall-CT). in 9 mo for ms (Prisco-PA). R. Ghana 6130 f/d cd in 228 ds for 1 IRC (Dittrich-FL).

GREECE: V.O. Greece 9515 f/d cd in 68 ds for 1 IRC (Ewenstein-NY). 9655 f/d cd in 63 ds (Mayer-OH). VOA Kavala 9700 f/d cd in 33 ds (Meyer-AK).

GUAM: KTWR 11840 f/d cd & stickers in 38 ds for ms (Hasselkus-OH).

GUATEMALA: TGNA 3300 f/d cd in 16 ds for EG rpt & 3 IRCs (Hasselkus-OH). R. Maya 3325 f/d cd in 4 mo for SP rpt & ms. v/s Lorán W. Veith Jr., Gerente (Onken-IL). R. Tezulutan 4835 f/d cd in 51 ds for EG rpt (Dittrich-FL). TGWB 6180 cd & personal ltr in 3 wks (Neumann-AZ).

GUYANA: GBS 5950 f/d ltr in 28 ds for 1 IRC. v/s L.R.E. Case, Chief Eng. (Eastman-TX). in 3 wks for 1 IRC. v/s S.A. Salog for L.R.E. Case (Dittrich-FL). in 52 ds for 1 IRC. v/s L.R. Case (Blom-NY). in 36 ds, ms sent in envelope did not arrive (Clifford-OK). in 1 mo (Bloch-MD).

HAITI: 4VEH 11835 f/d "Children" cd in 1 yr for EG rpt & 1 IRC. v/s Mrs. Edna Beachy, QSL Sec'y (Berezowski-ALB). in 171 ds for 1 IRC (Ewenstein-NY). in 150 ds for 1 IRC (Gliksman-IL). in 327 ds for 1 IRC (Desrosiers-MA). in 284 ds for 1 IRC (Newhall-CT).

HOLLAND: R. Nederland 17605 f/d "Bonaire" cd in 17 ds for 1 IRC (Tokarchick-NY). 17695 f/d cd in 25 ds (Hasselkus-OH).

HONDURAS: HRVC 4820 f/d cd in 28 ds for EG rpt & 3 IRCs (Hasselkus-OH). f/d cd in 32 ds (Cobb-OR).

HUNGARY: R. Budapest 9833 f/d cd in 57 ds for 1 IRC (Hagstrom-ID). 9835 f/d cd in 77 ds (Danko-NJ). in 63 ds (Semesky-IN). in 71 ds (Brouillette-MI). 9585 f/d cd in 5 wk for 2 IRCs (Sershon-IL).

INDIA: AIR 9912 f/d cd in 16 mo (Blom-NY). 15335 p/d cd in 64 ds for 1 IRC (Hasselkus-OH).

IRAN: VOI 15084 f/d "NIRT Center" cd in 29 ds for 2 IRCs (Hasselkus-OH).



OAX-1A-Ordo Medio. 158 KHZ
 OAX-4R-Ordo Certo. 1887 KHZ
 OAX-1Z-Ordo Certo. 1982 KHZ
 DESDE LIMA

RADIO NACIONAL DEL PERU





THE VOICE OF AMERICA
 WASHINGTON, D. C., U.S.A. 20547

Official Business
 Penalty For Private Use, \$300



Postage and Fees Paid
 U.S. Information Agency

We are pleased to confirm your reception of our broadcast

from USSR.....
 on July 4, 1972.....
Hancy July
 (Signature)

Mrs. Daniela H. Moore
 PO Box 6
 Walsburg, TX 75168-53

--Must have been a clandestine operation.

ISRAEL: IBA 11655 f/d "Flags" cd in 42 ds for 1 IRC (Fraser-MA). 17645 f/d cd in 54 ds for EG rpt (Semesky-IN). -IL).

ITALY: RAI 15315 f/d "Giorgione Painting" cd in 102 ds for 2 IRCs (Sershon).

IVORY COAST: R. Abidjan 11920 f/d map cd in 2 mo for 1 IRC (Dittrich-FL).

JAPAN: R. Japan 17825 cd in 27 ds for 1 IRC (Miller Jr.-WV). JTY 5000 f/d cd in 4 1/2 mo (Meyer-AK). NSB 6055 & 9595 f/d cd in 6 mo for 3 IRCs (Meyer-AK). in 45 ds for 1 IRC (Witte-CA). 6055 f/d cd in 45 ds for 1 IRC. Ltr requesting phone interview for broadcast 11/23 also rec'd (Wallace-HI). 9595 f/d cd in 13 1/2 mo for 3 IRCs (Matthews-OH).

JAVA: V.O. Indonesia 11790 f/d cd in 71 ds for 2 IRCs (Hagstrom-ID). RRI Surakarta 4932 in 1 mo for IN rpt & ms (Porter-CT). RRI Semarang 3935 f/d ltr in 37 ds for IN rpt & ms. v/s Mardanon, Kepala Teknik (Kusalik).

KALIMANTAN: RRI Palangkaraya 3325 f/d stn cd & PFC returned in 46 ds for ms & IN rpt. v/s Magib Suparman, B.A. (Kusalik-ONT). 3326 f/d PFC in 228 ds for ms & IN rpt. same v/s (Kusalik-ONT).

KENYA: VOK 4934 f/d aerogram in 6 mo (Neumann-AZ).

KIRGHIZ SSR: R. Moscow via Frunze 15535 f/d cd in 46 ds, 17825 & 21530 f/d cd in 50 ds (Buer-FL). 15535 f/d cd in 5 mo (Tuchscherer-WI).

KOREA (SOUTH): R. Korea 15570 f/d cd in 21 ds for 2 IRCs (Laird-NJ). 9580 & 11725 f/d cd & pennant in 5 wks (Berg-MA).

LAOS: Lao Nat. R. 7145 n/d ltr from Houm Phanh Rattanavong in 9 1/2 mo; & 6 wks after 2nd f/up. Much valued. (Berg-MA).-with good reason!

LEBANON: V.O. Lebanon f/d ltr in 8 mo. v/s Joseph El-Hachem, Le Directeur General. Addr as in WRVTH. (Berg-MA).

LIBERIA: VOA Monrovia 6035 f/d cd in 22 ds (Sorensen-MAN). 7280 f/d cd in 20 ds. v/s Wayne Greene (Miller Jr.-WV). 15445 f/d cd in 10 ds (Meyer-AK).

LITHUANIAN SSR: R. Vilnius 17845 f/d cd in 1 mo (Dittrich-FL). 15525 cd & pennant in 110 ds for 1 IRC (Hasselkus-OH).

LUXEMBOURG: R. Luxembourg 6090 f/d cd in 20 ds for 2 IRCs (Laird-NJ). in 182 ds for 1 IRC & EG rpt (Ewenstein-NY).

MADAGASCAR: R. Nederland 11730 f/d cd in 3 wks (Dittrich-FL). in 15 ds for 2 IRCs (Semesky-IN).

MALAYSIA: V.O. Malaysia 15295 map cd w/ f/d in 7 wks (Berg-MA). in 14 ds w/ pennant (Kusalik-ONT). BBC WS 9740 cd in 70 ds for 2 IRCs (Watts-Aust.).

MALTA: DW 9735 QSL in form of car sticker in 42 ds (Watts-Aust.). IBRA-R. Mediterranean 9630 f/d cd in 92 ds for 1 IRC w/pennant (Blom-NY).

MANCHURIA: PBS Harbin 3340 f/d cd in 19 ds (Kusalik-ONT).

MEXICO: R. Nucleo Oro 6020 SP ltr & pennant in 16 ds for SP rpt (Moore-PA). XEQM 6105 f/d ltr in 16 ds for SP rpt & ms. v/s Mario E. Gonzalez Peraza. (Dittrich-FL). p/d ltr in 20 ds for ms. same v/s, Gerente (Durnavich-IL). R. Educacion 6185 per onal ltr in 1 mo after f/up (Neumann-AZ). personal ltr in 5 wks for SP rpt & ms. v/s Joel Hernandez S., Direccion General (Lobdell-MA).

MOLUCCA IS: RRI Ternate 3345 p/d personal ltr in IN in 25 ds for IN rpt. v/s A. Abd. Alim, title Kepala Seksi Siaran (Lazarus-LA). TX).

MONACO: TWR 9495 f/d cd in 14 ds for 1 IRC (Wallace-HI). in 25 ds (Eastman).

MOROCCO: VOA Tangier 15195 "Americom" cd in 20 ds. v/s Wayne Greene. What happened to Monaca Reyes? (Miller Jr.-WV). 15205 f/d cd in 33 ds (Meyer-AK). 15245 f/d cd in 7 ds (Sedgeley-CO). cd w/o time in 10 ds for ms. v/s Warren G. Richards, Acting Chief, Freq. Div., VOA. (Onken-IL).

NEW BRITAIN: R. East New Britain 3385 f/d lg NBC cd 3 mo after F/up, 18 mo total. 2 more followed. (Berg-MA). f/d cd in 168 ds via Rabaul for ms. v/s D. Talwat (Clifford-WA). (Berg-MA).

NEWFOUNDLAND: CKZN 6160 cd in 5 wks. v/s F.H. Holm

NEW IRELAND: R. New Ireland 2428 f/d map cd in 35 ds for 2 IRCs (Cucura-PA). personal ltr direct from stn in 28 ds for cassette rpt & ms. v/s Otto Malatana, Act. Stn. Mgr. (Kusalik-ONT).

NEW ZEALAND: RNZ 11945 f/d cd & ltr in 35 ds for 2 IRCs (Mayer-OH). 15345 f/d cd in 19 ds for 1 IRC (Calderwood-CO). 17860 f/d cd in 19 ds for 2 IRCs (Ewenstein-NY). f/d "Totem Pole" cd & pennant in 4 wks for 2 IRCs (Alexander-PA).

NIGERIA: V.O. Nigeria 7255 f/d cd in 53 ds for 2 IRCs (Carbis-CA). 15120 f/d cd in 120 ds for 1 IRC (Hasselkus-OH). Imo EC Svc, Owerri, BIAFRA form ltr from C.E. in 7 wks (Berg-MA).

NORWAY: R. Norway 9605 & 17755 f/d cd in 18 ds (Blom-NY). 11895 f/d cd in 42 ds (Danko-NJ). f/d "Mountain Village" cd in 73 ds (freq?) (Cobb-OR).

PAPUA NEW GUINEA: R. Eastern Highlands 2410 f/d cd via Boroko in 28 ds for 2 IRCs (Kusalik-ONT). R. Western Highlands 2450 f/d cd from Boroko in 28 ds for 2 IRCs (Kusalik).

**RADIO
CORDAC**

Bujumbura, Burundi

PAPUA NEW GUINEA: (con't) R. Madang 3260

f/d map cd from Madang in 1 mo for 2
IRCs. v/s J.K. Koniel, Stn Mgr (Lob-
dell-MA). R. Central District 3290
cd from Boroko in 28 ds for 2 IRCS
(Kusalik-ONT). R. East Sepik 3335 f/d
cd in 44 ds for 1 IRC (Moore-PA). f/d
cd in 2 mo for 3 IRCS (Orcutt-CA). R.
Milne Bay 3360 1 cd from Boroko, 1 dir-
ect-v/s Trevor Webumo--1 mo after f/up,
5½ total (Berg-MA). NBC Port Moresby 4890
f/d cd in 29 ds for 2 IRCS (Ewenstein-NY).
9780 in 18 ds for 3 IRCS (Watts-Aust.).

PERU: R. Atlantida 4790 in 1 mo w/pennant for SP
rpt (Twiggs-CT).

PHILIPPINES: FBBC 11765 f/d "Hut" cd in 27 ds for 2
IRCS (Hagstrom-ID). f/d cd in 7 wks. v/s Miss
Zeny Visca (Berg-MA). 15440 f/d cd in 22 ds for 2
IRCS (Semesky-IN). p/d ltr in 26 ds for 3 IRCS &
EG rpt (Hasselkus-OH). VOA Poro 7285 p/d cd in 1 wk
v/s Warren G. Richards (Matthews-OH). VOA Tinang
6110 f/d cd in 10 ds (Meyer-AK).

POLAND: Polskie R. 11815 f/d cd in 40 ds w/wood cutting
board as contest winner (Byron-NY). f/d "Runners" cd
in 47 ds (Hagstrom-ID). f/d cd in 65 ds for 2 IRCS. Ltr
sed 6 rpts neede for pennant (Blossom-OH). cd in 1 mo
for 1 IRC (Miller Jr.-WV). 15120 f/d cd in 60 ds. v/s
Zdzislaw Frackiewicz, editor (Brouillette-MI).

PORTUGAL: R. Portugal 11935 f/d "Winter" cd in 36 ds (Dittrich-
FL). in 28 ds for 2 IRCS (Serшон-IL). in 28 ds (Danko-NJ).
in 35 ds for 1 IRC (Brouillette-MI). R. Japan via Sines
15305 f/d cd in 25 ds (Buer-FL). 15305 & 17815 f/d cd in 21 ds
for EG rpt (Cucura-PA).

ROMANIA: R. Bucharest 9690 "Architctural Panorama" cd in 90 ds w/
stickers (Durnavich-IL). 11940 f/d cd in 94 ds (George-TX).

RYUKYU IS: VOA Okinawa 6010 f/d cd in 1 wk for '77 rpt (Smallwood-AL).
SARAWAK: R. Malaysia Sarawak via Kuching 7160 f/d "Broadcasting House"
cd in 24 ds for 1 IRC (Buer-FL).

SAUDI ARABIA: BSKSA 15060 f/d logo cd in 68 ds for 2 IRCS (Hensley-TX).

SINGAPORE: R. Singapore 9635 f/d cd in 3½ mo for 2 IRCS (Lobdell-MA).
11940 f/d cd in 110 ds for 1 IRC (Witte-CA). BBC WS 17715 in 157 ds
for 2 IRCS (Watts-Aust.).

SOLOMON IS: SIBG 5020 f/d cd in 36 ds for 2 IRCS (Cucura-PA). in 1 mo for
2 IRCS (Kusalik-ONT). in 6 mo for EG rpt & IRCS (Prisco-PA).

SOUTH AFRICA: R. RSA 11900 f/d cd in 23 ds for 2 IRCS (Tokarchick-NY). in 18
ds w/pennant (Dittrich-FL). SABC 3250 cd in 20 ds (Durnavich-IL). 4835
cd in 23 ds for 2 IRCS (Watts-Australia).

SPAIN: REE 11880 f/d cd in 36 ds (Dittrich-FL). f/d cd in 30 ds (Mayer-OH).
f/d "San Miguel Church" cd in 31 ds (Danko-NJ).

SPANISH SAHARA: REE 11805 ltr from Abrosio Wang of DX sect. on rpts of '75
reception. f/d. (Berg-MA).

SRI LANKA: SLBC 9720 f/d cd in 1½ mo (Meyer-AK). ARDXC cd from Bob Padula
on rpt of the "World at Your Fingertips" segment of R. Monitors Int. in
5 wks (Berg-MA). VOA Colombo 11935 f/d cd in 33 ds (Meyer-AK).

SULAWESI: RRI Kendari 4000 f/d PFC in 1 mo after f/up for IN rpt & ms. v/s
Hanafie Umar (Kusalik-ONT). RRI Gorontalo 3265 2 f/d ltrs 88 ds after
f/up for ms & IN rpt. v/s Saleh S. Thalib, Tech. Mgr. (Kusalik-ONT).

SUMATRA: RRI Pekanbaru 5885 ltr in 5 wks for IN rpt & ms. v/s Azil Azwar,
(title) Kepala Stasion (Lazarus-LA). RRI Bengkulu 3265 f/d PFC in 42 ds
after f/up for IN rpt & ms. v/s Adminis BcAn, Head Stn. (Kusalik-ONT).

SURINAM: SRS 4850 f/d form ltr in 3 yrs after 3 f/ups, phone call to stn,
new rpt, 3 IRCS; personal ltr from v/s Hellen Burleson said Mrs. Russell
left. Country #211; (Young-CA). 4780 n/d folder & f/d form ltr in 26½ mo
total, 1 mo after 2nd f/up. v/s Edith R. Russell, QSL Mgr. (Berg-MA).

SWAZILAND: TWR 3200 cd in 1 mo after f/up (Porter-CT). 11840 & 15410 f/d cds
in 3 wks for 3 IRCS (Meyer-AK).

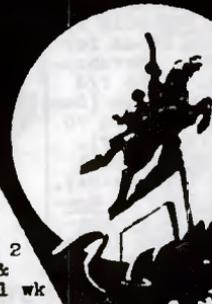
SWEDEN: R. Sweden 15290 f/d cd in 61 ds. v/s Anette Beijer (Clifford-OK).
blank QSL & sked rec'd (Rubin-CA). 21675 (Hornby) f/d cd in 79 ds for 1
IRC. v/s Anuika (?) Thofelt (Fraser-MA).

SWITZERLAND: SRI 9725 f/d cd in 18 ds for 1 IRC (Hagstrom-ID). 9725, 11715, &
15305 "Lake of Samtis" cd in 25 ds for 1 IRC (Miller Jr.-WV).

TADZHIK SSR: R. Moscow via Dushanbe 15155 f/d cd in 5 mo (Tuchschere-WI).

THAILAND: R. Thailand 9655 f/d cd in 2 mo after f/up. v/s Ramyong Sakornpan,
Chief (Kusalik-ONT).

The North Korean pennant
was submitted by Roly
Desrosiers and
F. Watson.



평양 방송
Radio Rongyang

TIBET: Xisang PBS

9490 cd from Pek
ing in 3 wks
(Berg-MA). 9655
f/d ed in 19 ds
(Orcutt-CA).

TURKEY: VOT 9515 f/d

cd in 30 ds for
2 IRCs (Sereshon-
IL). 11955 f/d
cd in 60 ds (Sem-
esky-IN). in 70
ds (Byron-NY).
in 26 ds for 1
IRC (Cucura-PA).

TURKEMEN SSR: R. Mos-

cow via Ashkha-
bad 11930 f/d cd
in 30 ds-Brazil
Svc (Glikzman-IL)

UGANDA: UBC 15325

f/d cd in 278 ds
for 3 IRCs. v/s
C.A. Kizakizito (Hartsell-CA).

UKRAINE SSR: R. Kiev 15525 3 f/d cds in @3 mo (Brouillette-MI).

in 108 ds
(Fraser-MA). R. Moscow via Lvov 15135, 11780, 11750, 9765, 9700 f/d cds
in 32-46 ds (Buer-FL). 11750 f/d cd in 6 wks (Alexander-PA). 11780 &
11750 f/d cd in 38 ds (Dittrich-FL). via Vinnitsa 9720 f/d cd in 38 ds
(Dittrich-FL). 9720 & 11735 f/d cd in 50 ds, 17835 in 37 ds (Buer-FL).
via Kiev 9720, 11770, 15110 in 5 1/2 wks (Buer-FL). via Kharkov 12060 f/d
cd in 50 ds (Buer-FL), via Simferopol 17815 & 17845 in 37 ds (Buer-FL).

USA: VOA Greenville 9650 Americom cd in 2 wks. v/s Wayne Greene (Miller Jr.

-WV). 26040 cd in 10 ds. same v/s (Brouillette-MI). VOA Bethany 21485
f/d cd in 28 ds (Semesky-IN). f/d cd in 9 ds (Laird-NJ). VOA Dixon 11740
f/d cd in 12 ds (Meyer-AK). AFRTS (Dixon) 21570 cd in 34 ds for 2 IRCs
(Watts-Aust.). WYFR 17845 f/d cd in 38 ds for ms (Semesky-IN). 11855 cd
in 32 ds w/personal ltr from v/s Karen Johnson, English Dept. (Brouil-
lette-MI). KGEI 15280 f/d cd in 18 ds (Hagstrom-ID). f/d cd in 48 ds
(Cobb-OR). Pirate WDAE 6208 f/d pc in 9 ds. v/s Ron K. (Alexander-PA).
6213 in 17 ds for US ms. same v/s. (Monaco-NY). f/d cd in 10 ds for ms;
Jacksonville postmark (Dittrich-FL). Green River R. 7375 f/d pc in 2 1/2 mo
for rpt in Frenxh. v/s R.M. Nixon. note sed only rpts in Frenxh QSLed.
San Diego postmark (Rubin-CA). V.O. Purple Chicken 7625 f/d cd in 26 ds
(Desrosiers-MA)-interesting-WDIS 3780h, 3X1260 f/d ltr in 1 mo v/s Carl
Shelenberger, Tech. Dir. (Dittrich-FL).

UZBEK SSR: R. Tashkent 15115 cd & ltr in 49 ds for 2 IRCs. v/s Nadira Babad-

janova (Watts-Aust.). 15460 f/d cd in 35 ds (Glikzman-IL). cd & ltr in
40 ds (Hasselkus-OH).

VATICAN: Vatican R. 6015 f/d cd in 12 ds (Matthews-OH). 9605 f/d "Antenna"

cd in 5 wks for 1 IRC (Sorensen-MAN). f/d cd in 17 ds for 1 IRC (Miller-
WV). 11845 f/d cd in 4 wks for 2 IRCs (Sereshon-IL). in 3 wks (Matthews).

VENEZUELA: R. Juventud 4900 cd w/o time in 84 ds for 1 IRC (Wallace-HI).

Ecos del Torbes 4980 ltr & pennant in 133 ds for SP rpt, ms & cassette
(Watts-Aust.). f/d ltr in 305 ds for SP rpt & 1 IRC. Sticker also rec'd.
(Dittrich-FL). R. Continente 5030 ltr in 94 ds for 4 IRCs, EG rpt &
cassette (Watts-Australia). (Sorensen-MAN)

YEMEN ARAB REP: R. Sana'a 9780 f/d form ltr in 6 mo for EG rpt & 2 IRCs

YUGOSLAVIA: R. Yugoslavia 15240 n/d ltr in 3 mo (Rubin-CA).

Note next page.....

SOCIETE NATIONALE DE PROGRAMME**FRANCE-REGIONS**

from
Ed Kusalik

STATION DE LA REUNION

TéléDiffusion de France



EDIFICIO PROPIO
BOLIVAR Y BOCAFUENTE
REQUENA
ESTACION FUNDADA EN 1951

ESMERALDAS - ECUADOR

RADIO IRIS

DIRECTOR PROPIETARIO: DANIEL ALVAREZ TENORIO

Onda Local 1.465 Kc.

Onda Corta 3.380 Kc.

Teléfonos

Troncal. 710220

Gerencia: 710447

Casilla de Correo No. 8

10.000 VATIOS DE POTENCIA
CERTIFICADO

from Chris Lobdell

Rádio São Carlos Ltda.

Q.U. 17K-437 1000/1500m. 1450 kHz.

Q.T. 17K-442 500m. 2.430 kHz.

C. A. C. 09.609.776/0001-56

Andrew C. Rebins
2724 Fleetwood Drive
Kalamazoo, Michigan
49008 — E.U.A.

São Carlos, 30 de novembro de 1978.

Prezado Senhor.

Antes de mais nada queremos agradecer-lhe o envio do relatório sobre a nossa emissora de ondas tropicais e pedir-lhe desculpas pelo longo tempo transcorrido antes de ter resposta à carta enviada em 17 de abril de 1978.

Ficamos sempre muito satisfeitos quando recebemos cartas de verificação de lugares distantes, principalmente dos E.U.A., o que é mais raro. Os detalhes que enviou foram suficientes para identificação e agradecemos a sua informação. O seu português é bastante bom. Meus parabéns!

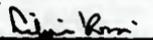
São Carlos é uma cidade moderna, agradável, distante 240 quilômetros da Capital do Estado de São Paulo, tem 120.000 habitantes e completará no próximo dia 04 de novembro 121 anos de idade. Enviamos-lhe um postal da Catedral e uma foto da emissora para recordar este nosso contato.

Agradecemos suas palavras elogiosas quanto à nossa programação. Nossa emissora é uma das mais antigas do Brasil. Foi fundada oficialmente em 7/9/1941, tendo portanto 37 anos de existência.

Quem lhe escreve é a Lilian. Sou advogada e atualmente estudo Jornalismo numa Faculdade de São Paulo. Estou no segundo ano e nas férias ajudo um pouco na emissora e é um serviço de que gosto muito.

Sem mais, agradecendo a sua atenção nos enviando o relatório de escuta, subscrevemo-nos.

Atenciosamente.


Lilian Rossi

***Sam Barto will be back as QSL editor next month. Reports should be sent to him at 245 Cherry Ave., J-11, Watertown, CT, 06795.

A couple of people have asked about verifying Chinese & Russian xmters. As far as I know the easiest way to QSL the CH regionals is to simply send your reports to the EG section of R. Peking. For the R. Moscow xmttr sites be sure to ask them to indicate the site on the QSL. Roger Legge's USSR HF BC Kxltr is an excellent guide to the various Soviet xmters; the addr is Box 232, McLean, VA, 22101.

Al Nuick and the Free Radio Campaign USA now forward mail for the following pirates: V.O. Venus, R. Nautilus Int., WDAB, R. Chaos Int., V.O. Insanity, V.O. Rev. VINGO, KIX, HVPS, KRAP, KRUD, WJAM, R. Radical, R. Callisto, WSFR, & V.O. the Holy Islamic Rep. of US. Addr: FRC-USA, R.D. #2, Box 542, Westcosville, PA, 18106.

Dario Monferini, via Davanzati 8, 20158 Milano, Italy, desires to receive a R. Havana pennant and a Papua New Guinea pennant. He is willing to trade an RAI pennant for these two.

This month we had about 111 countries verified, not bad. Next month let's try to welcome Sam back with even more! Tnx for all the nice comments; have a happy holiday season..... *Becky*

HAP BID ITEM REPORT: The winners of the first 15 bid items are as follows: Steve Leite #1, 4 and 7(tie); Dan Jakubowski #2 and 11; John Herkimer #6, 8, 10 and 15; Peter Sorenson #5; Vlad Cucura #7(tie); Don Moore #13; Bill Stevens #14; and Walker #3, 9 and 12...sorry I forgot your first name. We had over 70 bidders!

HAP ITEMS FOR SALE: We still have a good supply of the following stickers and decals for sale at \$.25 each or 5 for a \$1.00: WRSC, WZNT, Radio Budapest, Radio City-194, Radio Vatican, CFMI, WMNI, WCVA, WBET, WSRB, KRNA, WHAL, CKNW, WNIU, CHSC, KDKA, KPOE, WYSL, CKSQ, WSIG, Capitol Radio BBC, WFLA, WSKG, WAME, WXLN, WDGX, WMAQ, KOAX, WHIM, Radio Scotland, ORF, Radio Humperside-BBC, WCIE, KBLE, WKJR, WCCC, WTIC, Radio Nederland and Radio Sweden. To this list we are now adding the following: WCGQ, WJAZ, KYW, CFNB, Radio Orebro(Sweden), WIFE, WBAQ, Radio Medway-BBC, WLRS, WRVQ BRT-ORU(Silver and Pink), WGCL, Canadian Forces Network-FRG, CKSA, CFMK, Radio London-BBC and KBOI.

* The following stickers and decals are available for \$.50 each: Radio Cayman Islands, Radio Mann-Isle of Mann, CFMB (very large) and KOOL (extra large butterfly).

* Deutsche Welle letter openers are \$1.00 each, RIAS wall posters are \$1.50 each as are the beautiful KYW wall posters. Sud Radio match books from Andorra are \$.25 each.

HAP BID ITEMS: #42. RADIO BRAS decal (3.5" circular) black, yellow, white and blue. #43. Adventist World Radio cloth pennant (4x7.5") silver, white and blue. #44. Capital Radio BBC, 13 different multi-colored circular decals each with a different photograph of one of their staff personalities - a real collectors item! #45. Radio Luxembourg decal (4.5" circular) red & white. #46. Radio Baghdad International eagle emblem (4.5x3.5") multi-colored. #47. Radio El Mundo sticker (6x2.5") white and blue. #48. Dutch Pirates six(6) different multi-colored pirate stickers and decals! Rare! #49. Deutsche Welle T-shirt (M) white and green. #50. CJCB T-shirt (XL) yellow and red. #51. Radio Sweden T-shirt (L) blue and yellow. #52. Radio Sweden T-shirt (XL) blue and yellow. #53. Radio Sweden T-shirt (S) blue and yellow. #54. WMAQ T-shirt (S) brown, yellow and green. #55. WMAQ T-shirt (L) brown, yellow and green. #56. WTAE T-shirt (S) red and white. #57. KOIL T-shirt "Jello Jump" (S) black and white. #58. WDRQ T-shirt (L) "Disco" blue and white....I must ask for a minimum bid of \$4.00 on all T-shirts. #59. Radio France International plastic bag (17x14.5") red, blue and white. #60. NIRT (Iran) paper pennant (4x9") red, white, blue and green. Very rare - you can't get these anymore!

* I hope we are offering something for everybody. Remember to order your items and submit your bids to Sam Barto, 245 Cherry Ave. J-11, Watertown, Conn. USA 06795...More to come next month.

Please use cash, check or International Money Order from outside USA and Canada. No IRCs please! A few stamps for return postage will be appreciated.

ADDITIONAL HAP ITEMS FOR SALE: The following items are available for the quoted prices: Radio Vatican sticker-pennant (\$.50), Sud Radio (Andorra) sticker (\$.50), Voice of Free China station pin (\$.50), KDKA rainbow badge (\$.50), KUAC (Univ. of Alaska) iron on T-shirt decals (\$.50), Radio Mexico station pennant (\$1.50), Voice of Free China station pennant (\$.75) four(4) different CBC iron-on T-shirt decals (\$2.00), WFLI key chains (\$.25), Radio Belgium station pins (\$.25), three (3) different Radio Peking station pins (\$2.00), KOAX wall poster (\$.25), WSKG wall poster (\$.25) BBC Local Radio badge (\$.25), GTZ coaster (\$.25).

* We have many free gifts and items for all who order - as long as they last! All proceeds will be donated to the Handicapped Aid Program.

* We are still looking for someone who can translate a letter into Spanish and/or Portuguese. If you can help, let me know. Its all for the benefit of HAP.

HAP REPORT: Fund Raiser

I guess that many of you have been wondering what happened to all that money that we collected last year. I've been trying to keep a low profile on this but I've received dozens of inquiries...At the NEADXC Dinner on Sept. 8th, HAP Chairman Wayne Davis was presented with a check for the amount of \$1200.00. At the outing on Sept 9th we raised @ \$800.00. We have also used @ \$400.00 to \$500.00 in expenses to date. This includes the mailing of over 1400 letters since Sept. of this year and return postage on hundreds and hundreds of orders from all of you fine people. It really adds up when you start to include postage, letters, forms, etc. All in all we grossed around \$2500.00 this year....Sam.

I'LL BE BACK AS YOUR QSL EDITOR NEXT MONTH....MERRY CHRISTMAS

Update

December 1979 *** Number 56

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

MING DEADLINES: 10 December (Mid-Dec) 19 December (January) 10 January (Mid-Jan)

roduction permitted provided credit is given original reporter and NASWA UPDATE. Dates, s and days are GMT; freqs are kHz.

ANISTAN RA, 15075, in EG 1900; ID by M for Eur repeated 4 times, GMT and local TC, freq, o 1908, "My Cheri Amour", reading of interview w/ Prime Minister, local mx 1917, off 1928, ier off 1929. (Roly Desrosiers, MA 11-13)

RIA Algiers, 11615 // stronger 9610, in EG 2115+; end of nx, weather, headlines, orch mx, s "Internat'l Ser of R. Algiers," and mention that they were celebrating 12th anniversary ome revolution. (Bill Whitacre, 10-30)

RRA AWR, 6215, in EG 2025-2059*; test transmission, requested rpts, "Voice of Prophecy." alaco, PA 11-10)

LA ER Mocamedes, 5100 audible one day through intense QRM 2138-2200; heard only bits and es of mx but was able to establish // Luanda 4820 w/ PT nx. (Joe DiLeo, CT)---Mocamedes umed the one 2200+ w/ fair sigs and CW on top, local mx and singing, M anncr. If I thought e guys would verie, I'd stick around for ID. (Whitacre, MI 11-6) +++ ER Moxico, 5192, in PT st dally 2100-2200; African mx and nx on the hour. (DiLeo, CT)---Moxico presumed at 2218 T; fair sig and het, local bongo mx and M anncr. (Whitacre, MI 11-6)

RECTIC LRA-36, RNac Arcangel San Gabriel, 6029.1, in SP 0026-0045 AFRTS carrier on; seems ave some taped pgms and IDs mentioning meter band, freq, call, ID, Esperanza base, and arctica" on end just for drama. (Whitacre, MI)--- RNASS, *2359 mx pgm followed by M&W talk-. RN Buenos Aires IDs 0010 and 0037. (Marlin Field, MI 11-9)

VIA R. Panamericana, 6035, in SP 0007; "Noticias en Bolivia," Brazil in background w/ rts. Good sigs. (Field, MI 11-10)

ZIL R. Maua, in PT 2227; seemingly nx, many mentions of Brazil, and at least one "Aqui Maua" (Whitacre, MI 11-6)***Freq, Whit? tba

ZROUN R. Bertoua, 4750, in FR 2145-2205*; W anncr, instrumentals, 2200 ID and nx, 2203 EG Locally originated, FR s/off annmcs, La Marseillaise and off. (Whitacre, MI 11-6)---Bertoua s noted 0445-0515 in FR; SSB QRM, talk at 0500, mentions of Bertoua. (Insalaco, PA 11-10)

ADA CFRX, 6070, in EG 2222; usual stuff. Somewhat early for them here. (tba)

NA RP Japanese Service, 4960, in JP 1131; W anncr, talks. (Harry Jones, VA)+++Haerbin, 5950, r w/ CH orch mx 1154. (H. Jones, VA 11-14)+++ RP now on 9820 in EG to Nam 1200-1300. (Jerry G, MA)

OMBIA Ondas del Orteguaiza, 4980, in SP 1012; ID, TC, mx over ever-present UTE. (Jack Jones, 11-2)***Aren't they on 4975, Jack? tba*** LV de Yopal, 5051, in SP 1034; nice folk mx, ads, mncr, clear ID 1034; H.Jones, VA 11-12)+++R. Melodia, 6045, in SP 0602; M anncr, many IDs. Jones, VA)

TA RICA R. Casino, 5955, in SP 1200; ID, freqs, "su favorito de siempre, R. Casino" (Possy an incorrect transliteration), fading fast. (J.Jones, MS 11-3)+++ R. Victoria, 6082a, tative at 0000; Tnx Lazarus; Big ben-like chimes, ID, talk, many mentions Costa Rica, menns of Hereida, maybe "San" Hereida. Lazarus almost sure ID "R. Nueva Victoria." (J.Jones, 11-7)---R. Nueva Victoria noted on 6083, starting to come in around 2300 but best from 0000 n has BBC-like gongs and into nightly sports pgm. Couple of IDs heard, but quick and hard get. QRM begins around 0030. (Berg, MA)

A RH, 5965, in PT 0953*; end of nx and comment. Stayed on to approx 1000. NF?(J.Jones, MS)

ADOR LV del Napo, 3280, in Indian 1037; ID, TC, mx and messages. (J.Jones, MS 11-2) +++ Popular, 4800, in SP 0312+; mx then M w/ nx. Early reception, good sigs. First time I've rd nx on this one in many years of monitoring. (Field, MI 11-10)+++R. Quito, 4920, in SP 10-0345; ads, "Banco Popular", ID. (Insalaco, PA 11-10)

GUINEA Rio Muni seems to have settled on 4925 after meandering back to 5005 once. Noted 13 13 Nov w/ long anthem, highlife, and ID. (tba)---Rio Muni back on 4924.8 11-6 2120-30 w/ gong ID, and local songs, s/off annmcs and NA. (Whitacre, MI)

IOPIA VORE, 7110, at *0329; flute IS, NA and lang talks 0331. Fair in CW QRM. (H.Jones, VA)

ION Africa #1, 15200 and non-//17835, both 1500-1600 w/ EG/AR tests, both big sigs for re-ts #9 and 10--this during last week of testing. Just tell me where I can pick up the car. itacre, MI) ***Should give you an opportunity to meet some nice folks from the Customs rvice, Whit. tba

ENLAND Godthab, 5987, in lang 1010; coming in nicely a little off usual freq, 6-note IS at in. ID, one pip 1015 and hymn. Much pop mx, holding up for abt an hour. (Berg, MA)

ENADA RFG, 15045, in heavily accented EG 2145; "We gonna have a linkup w/ the BBC," BBC rts 2150, nx 2200; interesting SSB QRM overriding them 2215. (Desrosiers, MA) ***Roly, I seem recall that this is a military freq for the Strategic Air Command. (tba)

ATEMALA LV Atitlan, 2390, in SP 0258; marimbas and ID. (tba) +++ R. Maya, 3325, in Indian 34; ID, TC, talk w/ echo over marimba mx. (J.Jones, MS 11-2)

GUINEA Conakry, 4910, tentative at 0505; Afr vibraphone mx, native chants 0520. No ID but mat fits theirs. (tba)

INDIA AIR, 9705, in presumed Tibetan *1229; tail end of IS and into talks. (H.Jones, VA 11-++AIR, 11620, in EG 2130; subcont mx and M describing the songs. //QRMed 15165. (H.Jones, V++AIR, 15250, in EG 1135-40; state and development nx // 9705 and 11855. Poor. (Bob Zilmer, **INDONESIA** RRI Ternate, 3345, in Indo 1205-44; first decent Indo opening this season; Jakarta nx, ID, regional local nx 1215-30, post-nx anthem, record/DJ pgm. Fair. (Whitacre, MI 11-9) **IRAN** VoIRE, 1950-2015, in EG on 9022; comment by W on American hostages, IDs nx. (Insalaco, **IRAQ** Baghdad, 9745, in EG 2150-2225*; wailing by M, ID, nx. (Insalaco, PA 11-10) **ISRAEL** Kol Israel, 11637, in EG 0110; anncing as experimental b'cast to NAM // annced 9815, and 7412. Huge sigs. (Stu Klein, FL)*** Rcvd similar info by phone from Joel Rubin, CA. tba **JAPAN** FEN, 6155, in EG 1155; pops to hour, FEN ID, tone, W anncr w/ nx and ID. (Klein, FL) **KOREA (REP)** Seoul, 6015, in KR 1200; different KR pgm on 6135 // 6165. (Klein, FL)+++Seoul, 7550, in EG 1245; nx, comment on death of Pres. Park // 12090 and 15570. (Zilmer, WI) **MONGOLIA** Ulan Bator, 12070, in EG *1221; tnx Lobdell. ID, nx by W. Dominated by RM on same freq. (Berg, MA) **MOZAMBIQUE** Maputo, 3210, in EG/PT/AR 0245; IS, multi-lingual ID, NA, s/on to 0255, pgms for day. Later heard // 4864, both very good. (Whitacre, MI 11-7) **PAKISTAN** RP, 21605, in Turkish *1630-1730*; 5-min. seg of EG nx 1650-55. (Zilmer, WI)+++ RP 21485, in EG *1600-15*; nx // 17663, 17910, 21755 and poss 21454 (jammed). (Zilmer, WI) +++ RP, 21755, in EG 1600; TC, ID freqs, etc. under VOA. (H.Jones, VA) **PNG** R. Central, 3295, tentative 1215 in lang. Mx as heard on other PNGs, but no ID. (Field) **PHILIPPINES** VOA, 17740, in EG 2255-0010; "Bkfst Show." (Insalaco, PA 11-13) ***RWANDA** R. Rwanda, 6055, in FR 2040; highlife mx mixing w/ AR speaker, occasionally dominated to 2100* w/ full ID and anthem. (DiLeo, CT) ***Nice. tba **SAUDI ARABIA** Listed on 5070 at 2255 in AR w/ good sig, chanting and mx, M anncr interrupting occasionally w/ something always ending in "Arabiya. (Whitacre, MI 11-6) **SUDAN** Omdurman, 5039, in AR 0408; Koran readings. (H.Jones, VA 11-8) **SURINAM** R. Apintie, 4794, at *0831; very short drum IS, anthem DT ID, much Hindi-style mx. eral IDs. Religious mx 0930. Held to 0948 peaking 0845 and 0915. Tnx Moritz. (Berg, MA)+++ R Apintie also noted 0845; M&W anncrs, subcont mx, ID 0900 giving site as Paramaribo. (Klein) **SWAZILAND** TMR, 4790, in lang 0310; probable sermon to 0320 and lang hymns. (tba) **TANZANIA** Dar es Salaam, 4785, in SH 0315; very good in mag storm w/ talks, ID, and highlife mx. (tba) **TAHITI** FR3, 15170, in Tahitian, 0508; reading of dedications and really bombing in. (Desros: **USSR** RM HS 2 via Tbilisi, 4930, in RS 0329; clear Mayak IS in horrible het. (tba)+++RM HS v: Valdivostok, 5015, in RS 0840; talks by M&W w/o stopping for drink of water or trip to comfort sta. (Klein, FL) +++R. Tashkent, 6025, in EG 1205; W anncr, nx and local feature //9540. (Kle FL) +++Mayak, 6080, in RS 1140; UHN indicates Komsomolsk as site. "Tales from the Vienna Wood waltz W anncr. (Klein, FL) +++ R. Tallinn, 6085, *2103; IS under SP speaker; Full ID in Swedi 2105 and nx. (DiLeo, CT)+++R. Tashkent, 9540, in EG *1200; nx. Fair. (Zilmer, WI) **VENEZUELA** LV de el Tigre, 3255, in SP 0250 w/ sports. Good sigs. (Field, MI 11-8) +++ R. Mar 3275, in SP 0235 w/ mx pgm, gone in QRN 0250. (Field, MI 11-8) +++R. Bolivar, 4770, in SP 0258; concert of mx for baseball stadium organ. (tba) +++R. Valera, 4840, in SP *0922; NA, II calls freqs. (J.Jones, MS 10-26)+++ R. Universo, 4880, in SP 0355-0358*; M anncr, ID. (Insalaco, CT 11-10)+++ R. Juventud, 4900, in SP 0309; usual Thursday night jazz pgm. This night Ray Charles, real delta blues, and Modern Jazz Quartet. Fine listening for jazz buffs and folks waiting for the Africans to fade in!!! (tba)+++R. Los Andes, 6010, in SP 1004; mx, W w/ usual R. 1040 ID. (J.Jones, MS 10-26) +++ R. Turismo, 6180, in SP *0923; NA, martial mx, ID, freqs over disco mx. "La mejor en radio." (J.Jones, MS 10-22)

Some interesting things this time. Solar flux has dropped from high of 383 to around 230 as of this writing, but geo mag activity has remained high for periods of several days, making for good openings to USSR and Afr here after 0300. Keep listening and have a Happy Thanksgiving!

Best of 73,

[Handwritten signature]

log report section

1600-4899



DAN ROBINSON

4437 SEDGWICK STREET, N.W.
WASHINGTON, D.C. 20016

Log Report A has again been honored by the appearance of another new shortwave station, one that has been reported in several other bulletins -- Radio Apintie in Surinam has been identified as the station on 4,794 KHz. That's two reactivations from Surinam in a very short period of time, and something to be valued by all DX'ers. The Apintie event, along with the Argentine LRA-36 station and some excellent Asian openings has made for some considerable excitement here, and it's a good way to end my tenure as LR-A editor. I've really enjoyed the past years serving NASWA which is quite a remarkable organization with a number of very devoted contributing editors and a loyal membership. As FRENDX enters the 80's, it's bound to grow. . . Among our subscribers are many persons involved directly with shortwave broadcasting (VOA, RFE, FCC...) and NASWA will become more visible in years to come. All of this has been made possible by hard work on the part of people like Bill Oliver, Mac Leonhardt, Al Mayer and so many others on the FRENDX staff. So for the last time, ONWARD! to this month's loggings -- and good luck to new editor Terry Krueger in his new position.

- 2346 INDONESIA UNID: 1325 Indo tlc by W, then oriental mx(Uerlings 10/2)
- 2370 FALKLAND IS FIBS: On 11/18 0014-0031*, music pgm w/OM DJ; YL in tlc just before 0031 s/off w/"You are listening to the Falkland Islands...Broadcasting Service..." More tlc, then s/off w/God Save the Queen (Bloch) Nice catch Jean, and good luck back in France..DR
- 2390 MEXICO R Huayacocotla: 0111-0205 SP, LA ballads, tlc by M; complete ID by W 0205; excellent signal when not in deep fade(Cunningham) 0200 M ancr w/TC, ID, lcl mx (Klein 10/27) ID 0202 "Radio Huayacocotla informando....";beating w/co-channel Atitlan (Rankin)
- 2390 GUATEMALA LV de Atitlan: 1118 SP, vocals, ID 1130(Cartwright) 1102 LA mx rather than marimba, ID, TC (Klein)
- 2410t UNID: 1109-1117 C&W mx, man in tlc (Cartwright 10/30)
- 2420h GUATEMALA R Rumbos: 1104 SP, M in tlc, ID 1108, 2 x 1210(Cartwright)
- 2745t S. KOREA KBS-Sinjiju: 1335 KR, CM with long tlc (Uerlings 10/2)
- 2951.5 HAITI LV du Peuple: 2330-0315 w/FR / Creole mx, distorted audio(Bloch)
- 3205 BRAZIL R Riberao Preto: 2354 OM in PT tlc, bad het (Sellers)
- 3215 VENEZUELA Ondas Panamericanas: 0119 vocal mx, ID 0122 (Radcliff)
- 3220 ECUADOR HCJB: 0015-0033 Quechua, mountain mx, tlc by M(Rankin) 1020 mx pgm w/YL, familiar HCJB TC on 1/2 hour (Sellers)
- 3220 PAPUA NEW GUINEA R Morobe: 1151 clear w/island mx, M ancr(Klein)
- 3227 LIBERIA ELWA: 2217 Vern tlc, Afr mx, (Yajko) 2211 Vern/EG(Cucura)
- 3230 TAIWAN BCC: 1540 CH, M&W in tlc, fair to good (DW Johnson)
- 3240 PERU R America: 0021 SP, usual strong sig, IDs, US pops, some lcl notes (Meyer-PERU)
- 3240 -- At 0020 on 9/30, signal thought to be early Peruvian showing was ID'd as PRN, according to Jerry Berg; hrd w/Beatles mx, brief ancmts by OM, but little more could be heard (Agner 9/30)
- 3252 ECUADOR LV del Triunfo: 0026 SP, LA pop mx, good sig, ID(Meyer) U.S. pops("In the Navy"), into LA ballad, good signal (Radcliff)
- 3255 VENEZUELA LV del Tigre: *0955 SP, NA, M ancr with s/on anmts, into mx w/chimes between items (Klein 10/15) 0055 LA mx, instr mx ID 0059 (Alexander) *0955 s/on w/YV NA, ID as "Teegray.." (Clifford)
- 3260 PAPUA NEW GUINEA R Madang: 1143 w/straight chants, drums(Klein)
- 3264 UNID: 0324-0345 M in FR w/string mx, early for Congo/Mozambique (Radcliff) Probably Congo....DR
- 3270 UNID: 0033 in SP, LA mx, definitely not harmonic, fair (Meyer-PERU)
- 3275 PAPUA NEW GUINEA R So Highlands: 1115 Pidgin, M ancr w/several anmts, poss PSA's, mentions of Mendi and PNG (Klein 10/14)
- 3275 VENEZUELA R Mara: 1012 SP, guitar mx, ID as "R Mahrah"(Clifford) 0015 w/E-Z listening mx, ID, (Alexander)
- 3280 ECUADOR LV del Napo: 0036 SP, sometimes IDs as "Radio Cultural.." then other ID, excellent sigs (Meyer-PERU) 1005 in Indian lang(Klein)
- 3285 BELIZE RB: 0304 M in SP, seemingly endless tlks, CW QRM. (Radcliff) 1105 EG, ballads, OM with ID, TC (Moore)

- *9290 ECUADOR R Amazonas: 0039 SP, ads, LA EZ mx, personal notes, strong sig, ID (Meyer-PERU)
- 3290 PAPUA NEW GUINEA R Central: 1136 Pidgin, M ancw w/tlks on Boroko, TC, ad, EZ mx mixed with lcl (Klein 10/14)
- 3295 BRAZIL R Tapuio: 0740 PT, clear ID, lcl mx, no mistake on this; no Iguatemi (Klein at Canaveral) I've hrd Iguatemi here sev times...DR
- *3315 ECUADOR R Pastaza: 0048 SP, tlk and some poetry, LA pops, ID, excellent sigs (Meyer-PERU) 0342 w/ID, ads, instr (Radcliff 10/7)
- 3322½ PAPUA NEW GUINEA R No. Solomons: 1125 Pidgin, log drum-type mx (Klein)
- *3330 PERU Ondas de Huallaga: 0052 SP, strong signal, sports cmty, IDs (Meyer-PERU 9/10) Continues to be smashed by CHU here...DR
- 3335 PAPUA NEW GUINEA R E. Sepik: 1132 Pidgin, W ancw in Pidgin, TC, ID, many anmts and IDs (Klein)
- *3345 MOLUCCAS RRI Ternate: 1059-1129 IN, Sci, mx, lcl ID clearly at 1117 (Krueger 10/13) 1200 w/nx, no ID hrd (Field) 1120/IDon ½ hour (Klein)
- 3350 GHANA Ejura: 2212 two M w/tlk and Afr mx //4915 (Cucura 10/23)
- 3360 PERU R Huanuco: 0057 SP, huayno mx w/some tlk, ID, (Meyer-PERU)
- 3360 GUATEMALA LV Nahuala: 0235 SP, pop vocals, maiachi, IDs (Rankin)
- 3360 PAPUA NEW GUINEA R Milne Bay: 1155 EG, M ancw w/lcl nx fm Alotau, marred by severe UTE 3 kHz down (Klein)
- 3366 GHANA GBC: 2240 EG religious mx, ID for "GBC comm svc" (Klein)
- 3370 UNID: 0100 SP, tlk by W, not harmonic, fair sig (Meyer-PERU)
- 3372 BRAZIL UNID: 0050-0110 PT, ballads, QM w/anmts, ads, TCs, missed ID (Yajko/Moore 11/5)
- 3375 ECUADOR R Melodia: 0104 SP, tlk and LA EZ mx, ID (Meyer-PERU)
- *3380 BOLIVIA R Cumbre: 0106 SP, U.S. pop mx, ID 0108, fair sig and rising strength to 0230 (Meyer-PERU 9/10)
- 3380 ECUADOR R Iris: *1045 SP, NA(vocal), M&W ancws w/sbn anmts and into "Musica Ecuatoriana..." (Klein 10/28)
- 3380 GUATEMALA R Chortis: 0230-0300 SP, orch mx, IDs, SP tlks, marimba mx (Thompson) 0250-0300* SP, 0252 ID, ment of frequency (Rankin)
- 3385 NEW BRITAIN R East New Britain: 1010-1110 vern, M ancw w/native tlk between several exotic songs (Jordan 10/14) 1148 Pidgin, clear ID in Pidgin, string of ads, marred by QRM (Klein)
- 3390 ECUADOR R Zaracay: 0129 SP, LA pop mx, ads, IDs (Meyer-PERU) 1030 lcl mx, ID, TC, QTH mentioned (Klein)
- 3395 VENEZUELA R Universidad: 2350-0005 SP, LA mx (Alexander)
- 3400 CHINA PLA Fuzhou: 1535 CH, M&W in tlk //3200 (Dw Johnson)
- 3425 BRAZIL UNID: 0140 PT, Re: August FRENDX, carrier only here for past two days, strong sig though (Meyer-PERU) In listening to my tape, I had a definite Brazilian here...DR
- 3440 UNID: 0143 SP, not harmonic, xmtr trouble, LA pop mx, fair to poor (Meyer-PERU) Keep us informed on this...DR
- 3525 BRAZIL UNID: 0205 PT, tlk, US pops, good sigs (Meyer-PERU)
- 3539 INDONESIA RKPDT2 Sampit: 1345 Indo, oriental chants, mx (Uerlings)
- 3552 PERU Rdlf La Convencion: 0207 SP, tlk and lcl mx, ID (Meyer-PERU)
- 3607½ JAPAN NHK(HS-1): 1125 JP, radio drama, fair but weak (Dw Johnson)
- *3882 PIRATE R. Clandestine: On 11/4 0730-0810* rock mx and DJ claiming "You are tuned to Radio Clandestine, broadcasting from somewhere off the North American Coast..." Professional sound (Bloch 11/4) I've hrd this tape and this stn really sounds very professional, as if it were actually housed in prof studio ...DR
- *3910 PERU R. San Francisco: 0223 SP, LA EZ mx, with lots of IDs, sig strength seems to be increasing (Meyer-PERU)
- 3910 JAPAN FEN: 1150-1205 EG, US mx, ID, "FEN, Tokyo, Japan..." (Clifford)
- 3984½ IRIAN JAYA RRI Biak: 1545 IN, drum & flute w/vocal chorus, M ancw, W vocalist, M with poss ID 1603, f/out 1612 (Dw Johnson)
- 3985 ECUADOR Esc Radiofonica: 0228 SP, LA EZ mx, (Meyer-PERU)
- 3985 SWITZERLAND SBC: 0650 EG, px of Swiss polka mx, Dateline (Alexander)
- 3999 GREENLAND Gronlands Radio: 1030-1055; 1030-1035 Danish nx, then Greenlandic nx to 1045; mention of "Kaladit nunata..." then mx pgm CH stn off this morning on 11/15 (Bloch) Next day Chinese stn noted on 4000 w/sign on 1010 with East is Red, into opera mx (Bloch)
- 4115 UNID: 0111 PT? sounded like futbol match (Meyer-PERU)
- 4150 BRAZIL UNID: 0122 PT no ID, slow mx w/tlk and ads, (Meyer-PERU)
- *4467 BOLIVIA R Movima: 0134 SP, nice clear ID, notes on lcl activities, EZ SP mx, good sig (Meyer-PERU 9/14) This one is extremely rare if indeed it is on this freq Kevin...that was a nice clear ID, right? DR
- 4485 ASIATIC SSR Petropavlovsk: Mayak in RS II21, classical mx, OM & YL ancws //75015 Vlad (Moore 11/3)
- 4680 ECUADOR R Nac Espejo: 0141 SP, ID, very violent soap opera (Meyer) 0530 Andean mx (Alexander)

- 4690 CHINA UNID: 1523 CH, M vocalist, flute & lcl guitar, M&W 1528 w/
possible ID, (DW Johnson 10/31)
- 4696 BOLIVIA R Riberalta: 0420 SP, lcl mx to M ancr in SP, ment of
Bolivia (Klein) 0143 SP, EZ SP mx, ID, tlk and ads (Meyer-PERU)
- 4725 BURMA BBS: 1120-1128 w/lang, tlk and lcl mx (Cucura 10/23)
- 4740 BOLIVIA R Mamore: 0150 SP, ID, good sigs, ads and lcl notes, some
LA MX (Meyer-PERU)
- 4750 CHINA Tibet(Lhasa): 1125-11 55 opera mx to 1140; long tlk in CH by
CM about relations between Chinese and Tibetan people(Bloch)
- 4750 CAMEROON R Bertoua: 0433 FR, M ancr in FR with ID, lcl mx(Klein)
2150-2206* with FR mx, ID EG/FR news and NA (Cucura)
- 4753 CELEBES: RRI Ujung Pandang: 1200 IN, SCI, pips, warta berita fm
Djakarta //4719 (Klein 10/14)
- 4755 BRAZIL Rdfi Maranha: 0140 PT, soccer game, Brazil vs Paraguay;
(Tannenwald 10/25) 0810 PT, M w/ID, TC, ads, pop mx (Klein)
- 4766 ECUADOR C.R.E.: *0958-1047 SP, s/on w/nonstop ballads, long NA, ID,
and messages fm 1042(Krueger) 0625-0637* SP, Ecuadorian mx, vocals,
ID 0634, anthem and off (Cress) 0017 futbol, ID (Meyer-PERU)
- 4770 PERU R Tarma: 0200 SP, ID, "Radio noticias..." pgm, (Meyer-PERU)
- 4770 VENEZUELA R BOLIVAR: 0329 SP, LA pops, TC, ID, "El Mundial Bolivar"
(Tedford) 0050-0125 w/"servicio publico, informacion Bolivar."(Rankin)
- 4770 LIBERIA ELWA: 2214 EG, nx, ID, into religious pgm (McClellan)
- 4777 GABON RTV: 2218 FR, ID, and tlk(McClellan 11/2) ID and tlks at
2300 (Klein) 2252-2302 tlk by M, ID 2256 (Cunningham) 2133(Padula)
- 4780 KARELO SSR Petrozavodsk: 0240 RS, EZ RS vocal mx, W ancr, IS of
chimes at 0300, W with ID 0300, weak (DW Johnson) IS to pips on hour
at 0300, into M ancr in RS tlk; under Venezuelan (Klein)
- 4783 MALI RM: Back here on 11/18 // 5995, 2145-2300, FR "Radio Mali..."
ID and TC at 2200 (Bloch)
- 4785 AZERBAIJAN SSR Radio Baku: 0259 -0400 RS, RM IS, "Govorit Moskva"
then apparent screw up with Peace and Progress IS, back to nx and
classical mx (Kraeger 10/9) 0300 RS, chorus, ID in Azerbaijani,
M&W in RS, into classical mx (Cartwright)
- 4785 PERU R Coop Satipo: 0203 SP, NA, ID, sign off 0204 (Meyer-PERU)
- TENT 0338-0347 SP, huaynos, instr mx(Cartwright) Sure about tent
Satipo?...DR
- 4785 TANZANIA RT: 0330-47 IS 0330, M&W in tlk, "Radio Tanzania ID
0346 over QRM (Cartwright 10/28)
- 4785 BRAZIL R Ribamar: 0800 PT, M with PT tlk(Cartwright) 0815 amnts, ID
(Alexander) 0815 PT pops, ads, TC, IDs (Klein) 0150 (Field)
- 4790 PERU R Atlantida: 0206 SP, ID, ads, pgm "Rondas Policiales(Meyer)
0224 LA pops, ID 0533 (Rankin) 1020 lcl mx, ID, promos(Klein)
- 4794 SURINAM RADIO APINTIE: *0826-0950 -- this is the UNID stn reported
in past FRENDX 0830-0930 Hindustani pgm, 0930-0950 Dutch pgm, Dutch
ID 0830, 0930, 0940 (Bloch) Heard here after initial report -- also
0830-0930 at good level. Other tentative reports of Radio Colcha
in Bolivia here are obviously in error....DR
- 4795 BOLIVIA R Nueva America: 0209 SP, LA pop/criollo mx, ID(Meyer)
- 4795 ECUADOR LV de los Caras: 0350-0403* SP, EZ mx pgm, NA (Klein)
- 4797 ECUADOR LV de los Caras: 0436-0443 SP, ID by M 0443, amnts, and
definitely off frequency (Cunningham 10/14)
- 4797 BRAZIL R Tabajara: 0303 PT, mu, ak, sinatra type, ID (Cartwright)
- 0239 TENT (Sellers) 0435 TENT (Field)
- 4801 ECUADOR R Popular: 0212 SP, personal messages, ID, TC(Meyer)
- 4805% BRAZIL Rdfi do Amazonas: 0909 PT, M with ID, lcl mx(DW JOHNSON)
- TENT 0025 with PT tlk (Field)
- 4807 SAO TOME R Nac: 2205 PT, Afr pop mx, M ancr (Alexander)
- 4810 GALAPAGOS LVG: 0329-0403* SP, many IDs, by M, pop mx, NA and abrupt
s/off(Overcamp) 0030-0100 LA mx, W ancr(Alexander) ID, TC 0340(Klein)
0215 LA mx, some religious tlk, ID, very strong (Meyer-PERU)
- 4815 COLOMBIA R Guatapuri: 0252 SP, LA mx, 3 IDs during amnts(McClellan)
0400 M ancr with ID, TC for 11:00 lcl time (Klein) 0240 w/"La Voz de
Bogota..." anmt(Sellers) ID 0132 (Rankin) ID 0222 (Earhart)
- 4820 ECUADOR R Paz y Bien: 1025 SP, Ecuadorian mx, M ancr w/ID, TC,
(Klein) 0935 w/tlks in SP, ID(Tannenwald)0021 religious, ID(Meyer)
- 4820 ANGOLA R Nac: 2130 w/PT amnts, orch mx concert (Padula 9/29)
- 4820 HONDURAS HRVC: 0445 EG, rel px (Bauernhuber) 0045 rel px (Tannenwald)
0320 EG, religious sermon (Brouillette) 0350-0400 EG (Jordan)
- 4825 PERU LV de la Selva: 0025 SP, LA EZ mx, ID, stronger sig than usual;
note on QSL said more power planned (Meyer-PERU)

- 4825 GUATEMALA R Mam: 0230 SP, thru ute, M ancr with TC, ID, items of lcl interest over marimba backnd mx (Klein) 0215 SP, all xylophone mx with frequent IDs (Clifford) 0030 SP, tlks, marimba mx, vocals, organ IDs (Thompson) Marimba mx 0200, ID(Alexander)
- 4825T USSR Ashkhabad: YL and OM in RS tlk 2205, weak but definitely in there; TBS says Yakutsk and Vladivostok here (Agner 9/28)
- 4835 GUATEMALA R Tezulutlan: 0100-0125 SP, IDs, marimba mx, vocals, sp tlks, orch mx, piano mx (Thompson) 0200-0229* SP, catholic mass, ID 0225 "Radio Tazootlen.." s/off 0229 (Clifford) 0235 (Klein)
- 4840 VENEZUELA R Valera: 2240-0334 SP, IDs, TCs, ads and LA pops (Seller Clifford, Alexander, Cunningham, Radcliff, McClellan, Brouillette,)
- 4840 PERU R Andahuaylas: 1030 SP, ID 1030 (Cartwright) 0033 (Meyer-PERU)
- 4845 COLOMBIA R Bucaramanga: Noted recently back here, blocking Radio Fides (Klein, Robinson)
- 4845 MOLUCCAS RRI Ambon: 1200 IN, island mx, SCI, pips, warta berita (Klein 10/14) 1227 IN, EG ballads (Moore) 1145 chants and anmts, into relay 1200 (Glikman)
- 4845 MALAYSIA Kuala Lumpur: 0925 in Indian lang, W ancr w/Moslem type prayer, ID, M in tlk (DW Johnson)
- 4845 MAURITANIA Nouakchott: 0725 AR with string mx (Klein) 0645 (Cress)
- 4845 BOLIVIA R Fides: 0036 SP, "Informativo Deportivo." sports nx, IDs, strong sig (Meyer-PERU)
- 4850 SURINAM SRS: 0423-0430 EG/SP/DT "Sunday Morning Show w/pop rock mx, anmts in various langs (Brouillette) 0305 DT/EG rock mx, crazy OM "Early Sunday Morning Show" (McClellan)
- 4850 ECUADOR R Lus y Vida: 1005 SP, string mx, anmts, ID (Tannenwald) Andean flute mx, solid ID 1100 by OM in SP (Agner) 0043 SP, very powerful sermon, ID 0045 (Meyer-PERU)
- 4850 CAMEROON Yaounde: 2215 FR, M ancr/Afr pops & jazz (Alexander) 0450-0510 FR, jazz piano to 0500, nx in FR by YL (Rankin)
- 4855 PERU R Pampas: 0046 SP, march mx, military tlk and ID, strong sig some QRM (Meyer-PERU)
- 4855 BRAZIL R Porum Mundo Melhor: Now here, hrd with full ID and het with Para; why they chose this freq beats me...DR
- 4855 BRAZIL RC Para: Sports event 0215; 0220 ID by YL (Agner 10/31)
- 4860 PERU R Chinchaycocha: 0049 SP, strong clear w/ID (Meyer) 0930 SP, M ancr "Esta es la senal de Radio Chinchaycocha.." (Klein) 0658 w/Andean mx, ID 0702 (Rankin) 0815 ID and TC (Cartwright)
- 4865 MOZAMBIQUE Maputo: New Nat'l program, PT anmts 2135 (Padula 9/29)
- 4865 COLOMBIA LV del Cinaruco: 0352 LA vocal w/marimbas (Radcliff) 0210 with mx and SP tlks (Earhart)
- 4870 ECUADOR R Rio Amazonas: 0052 SP, LA and US mx, ID (Meyer) 0430 SP, LA mx (Klein) *1049-1104 NA to 1050, then tlk in non-SP lang (Valko)
- 4875 COLOMBIA R Super de Mdellin: 0510 SP, ID, LA mx (Alexander) 0635 LA mx, IDs, anmts by M (Bauernhuber) 0455 M vocalist (Jordan) RADIO NORTE -- 0920 LA mx with tlks by M, R Super QRM (Kowalski 11/7)
- 4875 IRIAN JAYA RRI Sorong: 1200 IN, lcl instr to Woman with ID, SCI, pips, warta berita (Klein) 1137 EG/IN island mx, relay at 1200 (Glikman)
- 4880 VENEZUELA R Universo: 0030-0055 SP, YV mx, tlks (Thompson) 0347-0354* SP, EZ mx to s/off anmt by man at 0351, NA to s/off (Brouillette) Vocals, ads and ID 0202 (Earhart)
- 4885 PERU R Huancavelica: 0056 SP, many IDs, strong sig, personal messages and huaynos (Meyer-PERU)
- 4885 SUMATRA RRI Bukittingi: 1435 IN, Man in chant to 1449, W ancr, lcl traditional mx, Love Ambon and nx (DW Johnson)
- 4890 HCNDURAS R Lux: 0130-0155 SP, IDs, tlks, (Thompson) 0158 US pops, ID with echo effect (Tedford) 0033 lcl mx, ID (Moore) 0220 SP pops, M ancr with ID "Radio Lux..." "por Olanchito." (Klein) 0046 SP tlks and mx, (Glikman) ID 0100 (Field) UNID LA STN 0228-0241 SP, after Radio Lux s/off 0227; too weak to ID (Valko 10/24)
- 4890 ECUADOR R Centinela del Sur: 0105 SP, pop mx, ID (Meyer-PERU)
- 4890 SENEGAL Dakar: 0720 FR, hi-life, ID, TC (Klein) IS at *0600 into Koran readings (Kowalski) 0720 w/lcl mx, ID 0731 (Cress)
- 4890 PAPUA NEW GUINEA NBC: 1230 EG, Rolling Stones mx (Sellers) 1100 w/int'l nx (Kelly) 1245 EG, orch mx, ads (Thompson) 1354 (Hensley)
- 4895 PERU R Chanchamayo: 0108 SP, tlk, ID 0115 (Meyer-PERU)
- 4895 BRAZIL R Bare: 0835 PT, two M DJ's w/lcl vocal mx, mentions of Manaus, ID 0900 (DW Johnson)
- 4895 SARAWAK R Malaysia Kuching: 1245-1315 orch mx, vern tlk (Thompson) 73sssss DAN

log report *section*

4900-6199

B

STEVEN WISEBLOOD

- 4905 CHINA RP1: 2245 M&W in CH w/tlk, via the short path over the pole (Valko 10/23)
- 4905 BRAZIL R. Relogio Federal: 2251-0000 M w/nx in PT, W w/TC's, 3 loud pips each minute, with clock continuously ticking in background (Brouillette 10/12) 0926 Braz. mx w/ID's each 1/2 hour, Good signal (Meyer-PERU).
- 4910 GUINEA R. Nat.: 0615 nonstop Afro mx, het from 4910.8, Fairly Good (Kowalski 11/7).
- 4915 BRAZIL R. Nac. Macapa: 0805-0930 upbeat Braz. pop mx, M ancr in PT (Alexander-Meyer-P
- 4915 GHANA GBC-2: 2200 ID & TC in EG (McClellan-MI 11/2)
- 4915 KENYA VOK? 2245-0002 Afro mx, EG nx read by W @ 2245 & 2345, hymns (Gliksman, Miller)
- 4915 CHINA Nanning HS: 1345 M&W in EG w/lessons, Very good for a HS stn! (Verlings-OR)
- 4920 AUSTRALIA ABC-Brisbane: 0741-1315 M ancr w/ABC nx, oldies (Clifford, Klein, Kowalski).
- 4920 ECUADOR R. Quito: 0112-0435 SP nx, ID's, ads (6 reporters) 0935-1017 EZ mx (Field, Meyer)
- 4930 GEORGIAN SSR Tbilisi: 0318 tlk by M in RS, Good (Klein on DXpedition 11/4).
- 4935 PERU R. Tropical: 0115-0133 LA pop tx, ID's, SP tlk (Meyer-PERU 10/15).
- 4940 VENEZUELA R. Yaracuy: 2235 Bank ad. Good (Moore 11/3)
- 4940 CHINA Qinghai: 1130 cmntry by W in CH (Moore 11/3)
- 4940 ECUADOR Rdf Nacional del Ecuador: 0425 tropical Ecuadorian mx, Canned ID's (Klein)
- 4940 UKRAINIAN SSR Kiev: 0445 Cmnty by M ancr in RS, good during DXpedition (Klein-FL)
- 4943.8 VIETNAM Hanoi-HS1: 1350 VT tlk by M&W, time pips & ID @ 1400, march mx (DW Johnson 11/2)
- 4945 COLOMBIA R. Colosal: 0119-0655 Lam mx, ads, lcl nx, ID's, promo's (5 reporters).
- 4950 SARAWAK RM-Kuching: 1240-1300 CH tlks, Instrumental & piano mx, vocal CH mx (Thompson)
- 4950 PERU R. Madre de Dios: 0109-0121 strong w/U.S. pop mx countdown, SP tlk (Meyer-PERU)
- 4955 PERU R. Cultural Amauta: 0035-0124 Huayno mx, SP tlk, ads, anmts, Fair (Meyer-PERU)
- 4960 ECUADOR R. Federacion: 0031 EZ mx pgm for children, fair w/few ID's (Meyer-PERU).
- 4960 CHINA Peking: 1505 M ancr in JP w/CH mx, Fair w/UTE QRM (DW Johnson 10/31).
- 4965 COLOMBIA R. Santa Fe: 0126-0700 upbeat Lam pop mx, SP anmts (Bauernhuber, Sellers, Jordan)
- 4970 VENEZUELA R. Rumbos: 0403 Noti-Rumbos chimes & nx briefs in SP, Fair w/UTE (Sellers)
- 4980 ECUADOR Ondas Azuayas: 0024-0415 M ancr w/ID, TC, pop Lam mx, Fair (Klein, Meyer-PERU)
- 4980 VENEZUELA Ecos del Torbes: 0115-0400* EZ listening Lam mx, SP anmts, many ads, S/off w/list of stns in net & choral NA, Very Strong! (Brouillette, Alexander, Grishin).
- 4980 GHANA GBC: 0622 M ancr w/community events, ID (Sellers, 10/27).
- 4985 BRAZIL R. Brasil Central: 0413 M ancr in PT, lcl mx w/guitars (Sellers-10/27).
- 4990 NIGERIA FRC-Lagos: 2155-2309* Variety of African mx, EG nx @ 2200 & 2300, ID both at the beginning and at the end of the nx. (Gliksman, McClellan-MI). *0440 choral NA, M ancr in EG w/S/on info., into brief religious tlk (Klein 10/10).
- 4990 VENEZUELA R. Barquisimeto: 0335-0345 vocal ballads w/many ID's. Good (Earhart-PA).
- 4990 CHINA Changsha: 1313 M&W in CH w/EG lessons, Fair (DW Johnson 11/2)
- 4996 PERU R. Andina: 0020-0929 Huayno mx, cmntry by M in SP, flute mx (Klein, Sellers, Meyer)
- 5005 EQUATORIAL GUINEA LV de Rio Muni: 2110-2130* ID, SP anmts, African mx, S/off w/NA, this fqy apparently replacing 11713v (Valko, Padula-AUS). 0434-0507 Afro mx, SP tlk /
- 5005 BOLIVIA R. Cristal: 0047-0322 Lam pop mx, clear ID's, SP ptcl pgm (Meyer-P). (Cucura/
- 5010 PERU R. Eco: 0030-0305 Political party promo's, Peruvian mx, ID's, tlk by M ancr in SP (Alexander, Meyer-PERU). 1027 nice long flute selection, M ancr w/ID (Klein 11/4)
- 5010 CAMEROUN R. Garoua: 0505-0510 nx in FR & EG, ID (Klein 10/29, Field 11/4, Sellers).
- 5015 BRAZIL R. Cult Cuaiba: 0840+ Brazilian love songs, PT anmts & ID's (Gallagher 10/30).
- 5020 COLOMBIA Ecos del Atrato: 0055-0225 EZ Lam mx, ID's, SP anmts, TC's (Klein, Meyer-PERU)
- 5020 NIGER Niamey: 0530 lcl chants in an Afro language, Fair (Sellers 10/27).
- 5025 PERU R. Quillabamba: 0058-0259* ID, program notes, March mx, excellent (Meyer-PERU).
- 5025 BRAZIL R. Borborema: 0110-0135 lcl pop mx, M ancr in PT, ads (Alexander, Agner).
- 5030 VENEZUELA R. Contintente: 0006-0445 list of stns in net, sports pgm, many ID's, Lam pop mx, TC's, discussion pgm in SP, "Noti-Rumbos" nx w/chimes, Exc. (6 reporters).
- 5035 PERU R. Agauri: 0247 ID, musical request pgm, SP tlk & TC's. Fair (Meyer-PERU). FB!
- 5040 COLOMBIA R. Cinco: 0710-0740 M ancr w/Lam mx, TC's, ID's, reverb anmts (Jordan, Klein)
- 5040 PERU R. Libertad de Junin: 0105 Lam pop mx, request pgm, few ID's, Strong (Meyer-PERU)
- 5040t BURMA BES: 1220 long musical selection continued until after 1230 (Field).
- 5045 ARGENTINA UnID: *0102 popped on w/cultural pgm in SP, definitely an Argentine (Meyer).
- 5045 BRAZIL R. Cult do Para: 0040-0215 organ mx, TC, ID, Brazilian pop mx, PT anmts, guitar mx, orchestral mx (Thompson, Tannenwald, Alexander, Agner).
- 5047 TOGO RT: 2135 FR tlk by M, lcl tribal mx (Alexander 10/27). 0535 tlk by M in FR (Sellers)
- 5050 PERU R. Loreto: 0058-0105 U.S. pop & Lam pop mx, ID's, SP tlk (Meyer-PERU 10/20).
- 5050 VENEZUELA R. Mundial: 0745-0800 Lam mx, jingle ID's between songs (Alexander 11/3).
- 5051 COLOMBIA LV de Yoral: ID @ 1030, ad for "Almacen Bogota", Poor (Bloch 10/26).
- 5055t BRAZIL R. Maua: 2335 sports pgm, barely audible by 2355 (Field 11/3).

- 5055 PERU R. Onda Imperial: 0056 political discussion, ID w 0100, Fair (Meyer-PERU).
 5055 COSTA RICA TIFC-Faro del Caribe: 0043-0400+ SP religious pgms & vocals until 0200, then EG preaching w/frequent book promo's, "Songs in the Night" pgm (6 reporters)
- 5057 ALBANIA R. Gjirokaster: 0510 amnts by M&W in Albanian, gypsy dance mx (Verlings, Klein)
 5061 ECUADOR Sistema de Emisora Progreso: 0208 ID, SP ads, lcl mx, Very strong (Meyer-P)
 5065 USSR-KARELIAN SSR Petrozavodsk: 0200-0305 usually heard daily with an s/on @ 0200 on some days and 0300 on others, an unusual inconsistency for the USSR (Dayen-MN) 0515-0605 Eastern sounding vocal & instrumental mx, time pips, RS tlk, folk mx (Jordan 10/2)
- 5075 COLOMBIA R. Sutatenza: 0045 M and W aners in SP, LAM mx, ID, not //5095 (Alexander).
 5095 COLOMBIA R. Sutatenza: 0109-0200 ID, EZ listening mx, SP mx, ads (Meyer-PERU).
 5100 ANGOLA Emisora Regional de Mocamedes: 2250-2301* NA @ 2300 is sometimes audible, but usually covered by a utility (Dayen 10/23).
- 5170 CHINA FPBS: 1226 M in CH w/tlk, occasional oriental mx, Poor (Shaffer-IN 10/30).
 5191.2 ANGOLA Emisora Provincial do Moxico: 2232-2304* R. Nacional ID @ 2301, lcl choral mx, tlk in PT by M, NA @ S/off (Rankin-KS, Dayen).
- 5195 WEST GERMANY DW: 0455-0516 tlk by M&W in PT or E. European lang, ID @ 0516 (Cartwright)
 5235 UNID 0200 SP ads, mentions of "Pampa", huaynos mx, strong! (Meyer-PERU).
 5240 CHINA FPBS: 1220 W in CH, oriental chanting type mx //5265. Poor (Shaffer-IN)
 5265 CHINA FPBS: 1155-1222 oriental mx, rx by W in CH (Moore 11/3, Shaffer-IN).
 5300 PERU R. Esmeralda: 0115-0148 Huayno mx, SP tlk, many ID's, ads (Meyer-PERU 21/10)
 5585 BOLIVIA R. Machupo: 0021-0121 LAM pop mx, ID every thr, Good! (Meyer-PERU 21/10)
 5881* ARGENTINA R. Rivadavia: 0015 SP political speech, ID. Fair (Meyer-PERU 21/10)
 5940 ASIATIC RSPFSR Magadan-RS: 0530-0900 W ancr in RS, clsl mx, RS vocals (Alexander, Jordan)
 5945 AUSTRIA ORF: 2307-2310 EG "Shortwave Panorama" pgm, Fair (Yajko).
 5950 CHINA Heilongjiang: 1212+ CH tlk by M&W (P. Moore 11/3).
 5950 PERU R. Arequipa: 0049 NA, SP sports and lcl nx, ID's, Fair (Meyer-PERU 9/29).
 5950 GUYANA GBS: 0100-0400+ Pop mx, Religious pgms, PSA's, EG amnts, EG nx, TC's, NA @ S/off (Uerling-OR, Sheedy, Cartwright, Alexander). 0900-1008 EG nx, TC's, lite pop mx, Rooster crowing, M ancr w/ID & TC (Klein, Radcliff, Gallagher, Sellers).
- 5950 NICARAGUA LV de Nicaragua: 0115-0525 M ancr in SP, U.S. pop mx, LAM mx, ID's, mention of "Sandinista", Booming signals (Jordan, Moeller, Cunningham). 1205 M&W in SP w/tlk, political cmtry, Excellent signals (Klein 10,14).
- 5955 NETHERLANDS RN: *0700 IS, NA, ID b, M, EG World nx to W. Afr (Klein 10/24).
 5955 GREECE VQA-Kavala: 0429-0705 "The Breakfast Show" to Africa, EG nx (Rankin-KS, Klein)
 5955 BOLIVIA R. Pio Doce: 0135 LAM pop mx, SP tlk, ID's, Poor (Meyer-PERU 21/10)
 5955 COLOMBIA LV de los Centauros: 1030 "Buenos Dias" pgm, pop mx, SP tlk (Meyer-PERU 21/10)
 5960 EUROPEAN RSPFSR *0000-0033 S/on w/6 minutes of anthems, RS nx by a M&W (Rankin-KS 10/29)
 5965 BOLIVIA R. Nac de Huanuni: 0002-0137 SP tlk, lcl mx, many ID's (Meyer-PERU 21/10)
 5965 MOROCCO VQA-Tangier: 0610-0624 FR "Bonjour Afrique" pgm, upbeat songs (Rankin-KS).
 5965 BRAZIL R. Guaiaba: 2306-0040 Pop instrumental mx, PT sports event, ID (Sheedy, Yajko).
 5970 PERU R. El Sol: 0140-0647 U.S. pop mx, SP tlk, ads, ID's (Meyer-PERU). 1045 M in SP w/amts, TC & ID, Fair-Good (Klein-FL 10/14).
- 5975 CHINA R. Peking: *1100 East is Red, M ancr w/ID's, into CH nx (Klein). KR listed!-SchW
 5980 LIBYA SPLA-JBC: *0600 NA, M ancr w/ID, into holy chanting by M, Fair (Klein 10/15).
 5985 ARGENTINA R. Splendid: 2352 SP tlk pgm w/some nx briefs, few ID's, Exc (Meyer-PERU)
 5985 WEST GERMANY R. Liberty: 0655-0700* W ancr w/nx in RS, IS, ID, Good (Klein-FL 10/17).
 5985 MEXICO XERMX-R. Mex: 0208-0430 LAM mx, SP amnts, ID's, on Sunday nights carries "La Hora Nacional" syndicated pgm which is carried on all XE stns (Sheedy, Klein, Cunningham)
- 5990 ROMANIA R. Bucharest: 9130-0400 EG nx & cmtry, ID, cmtry //9570 (Zilmer, Klein).
 5992v COLOMBIA RNC: 0335-0405 clsl selections, //15333 drifting about as usual (Sheedy 10/22)
 5995 MALAWI Blantyre: EG pop mx 2110, to abrupt s/off 2120, seldom heard at this time, may have been //3980 but 90mb had faded out by then so a check not possible (Padula 10/12)
- 5995 PERU R. Melodia: 2345 LAM & US pop mx, some QRM, Fair (Meyer-PERU).
 5995 AUSTRALIA AR: 1000-1315 EG World nx, tlk on solar energy, ID's (Thompson, Cinert).
- 5995 MALI Bamako: 2220-2225 FR Afr pop mx, U.S. pop mx (Alexander). 0710 Afro mx (Klein-FL).
 6000 BRAZIL R. Incofinencia: 2315-0015 futbol w/fast PT ancr, PT pop mx (Gallagher, Klein)
 6005 CANADA CFCX-Montreal: 1310 EG tlk, wx, ID, TC, pop mx (Alexander 11/1)
 6006 COSTA RICA R. Reloj: 0900-1000 LAM pop mx, ID's, TC's & slogans (Davenport 10/13)
 6010 EUROPEAN RSPFSR RWS: 2100-2155 "Moscow weekly", EG nx, into RS pgm @ 2200 (Krueger, /
 6010 PERU R. America: 0042 U.S. pop mx, ID @ 0045, some SP tlk (Meyer-PERU). (Klein/
 6020 NETHERLANDS RN: 2330-2345 SP nx, cmtry on Nicaragua, ID @ 0045 (Gallagher 11/1).
 6020 PERU R. Victoria: 0041 Salsa mx w/lots of SP tlk & many ID's, Strong! (Meyer-PERU)
 6025 PORTUGAL RP: 0300-0330 EG nx, sports, ID, Press Review, //11925 (Alexander 11/4).
 6025 NIGERIA Emugu: 2245-2305* old Nat King Cole records, ID's, EG nx & NA (Dayen).
 6029** ANTARCTICA RN Arcangel San Gabriel: *2350-0109 TC's, ID's, 9-note IS, nx by M&W in SP, varied musical format, Lisboa tuning signal messed things up after 0053, with the IS finishing it at 0056, ID mentions "Antarctica Argentina" with a summary of the Geographical facts. Argentina has long shown on its official maps that the sector of Antarctica facing Argentina is considered an integral part of the country. This is about as phony as Argentina's dominion over the Falkland islands. On the Palmer Peninsula itself there are also bases run by Chile, the US & UKOBANI (Hauser, Dayen, Bloch, Rankin-KS, Walcutt-TX). Apartado postale 9101 is a possible address (Walcutt).

- 6030 UGANDA UBC: 2045-2053 AR type lang w/many mentions of Kampala, hilife mx, not in on Thursdays, Strong w/tycally bad audio (Krueger 10/11).
- 6030 W. GERMANY SDRO700 M in GM w/lcl & world nx audible following AFRTS S/off, wx(Klein).
- 6035 BRASIL R. Globo: 2240-2300 PT sports cmntry, ID, discussion pgm (YaJko, Klein-FL).
- 6035 BOLIVIA R. Panamericana: 0017 SP tlk trying to explain the new government there, slightly better than LRA-36, but also suffering a het on the high side (Hauser-TN 11/4)
- 6040 FRANCE RFI: *2200-2210 IS, ID, into SP nx to Europe. Good (Krueger 10/27).
- 6045.3 COLOMBIA R. Melodia: 2335-0940 Lam pop mx, ID's, promos, sports. Vy. Good (5 reporters)
- 6060 AUSTRALIA RA: 1342 EG nx concerning Australian exports. Strong (Sellers 10/27).
- 6060 CUBA RHC: 0030-0040 SP nx on South American events, ID, Cuban economic tlk(Gallagher).
- 6065 COLOMBIA R. Super: 0940-1015 SP pop mx (Kelly).
- 6070 CANADA CFRX-Toronto: 0730 wx, ads, ID for CFRB, EZ listening mx. F-G (Klein 11/6).
- 6075 UNID 0401 long AR chanting by M, very short breaks w/guitar, Strong but QRM(Radcliff)
- 6080 CANADA CKFX: 0740-0850 C&W mx, EG ads, nx on the hr , sports & wx(Kowalski,Cucoura, /
- 6080mf U.S.A. VOA: 0745-0815 pgm to East Afr, now blocks out CKFX! (Klein-FL). (Sellers/
- 6090 LUXEMBOURG RL: 0000-0130 Disco & pop mx, M ancr in EG, ads (Valko,Bauernhuber, J. Williams, Vealings-OR). 0810 Rock mx w/GM anmts (Sellers 10/27).
- 6090 AUSTRALIA VII6: 0925-0935 Clsel mx, ID in EG @ 0930 (Cartwright-PA 10/30).
- 6100 VENEZUELA VYTO: 0140 TC's, pips, usually DW dominates this fqy! (Agner 10/29).
- 6100 ASIATIC RSPSR Khabarovsk-RM: 0950 Lam sounding mx, ID, IS, JP pgm (Klein 10/29).
- 6104a COSTA RICA R. Universidad: 0455-0459* SP S/off anmts, Very Good (Klein-FL 10/26).
- 6105 MEXICO Su Pantera: 0405-0550* SP anmts, disco mx, many ID's (Cartwright, Sheedy).
- 6115 PERU R. Union: 0037 US pop mx, ID's, SP anmts (Meyer-PERU).
- 6115 CUBA RMMs: *0000-0500* usual cruddy modulation & hum , this fqy was ex-9600, should come in handy during ionospheric disturbances (Hauser-TN 10/31).
- 6115 COLOMBIA LV del Llano: 0640-0745 Lam folk mx, ID's, SP anmts (Cress, Alexander).
- 6115 MEXICO R. Universidad de Sonora-XEUDs: 0640-0745 Clsel mx, ID's, W ancr (Thompson).
- 6120 VENEZUELA R. Angostura: 1005 2M ancrs in SP w/nx, chimes between items (Klein 10/15)
- 6130 NOVA SCOTIA CHNX-Halifax: 2115-2302 EG World nx, wx, ID's, ads, US pop mx, wiped out by VOA-G'ville @ 0000 (Krueger, Klein, Baker-DEL). 0735-1152 US pop mx, EG nx, wx, TC, lcl sports,u/HCBJ (Clifford, witte-CA, Sellers, Shaffer-IN, Radcliff-ILL).
- 6135 TAHITI FR3: 0800 Nice lcl vocal mx, island sound, M ancr in FR, TC, Good (Klein-FL).
- 6135 BRASIL R. Gaucha: 0845 M ancr in PT, EZ listening mx, ads, ID's, TC's (DW Johnson).
- 6135 SOUTH KOREA KBS Suweon-HS: 1420 MMW in KR w/tlk, Good (DW Johnson 11/2)
- 6140 AUSTRALIA ABC-VLW6: 1042-1115 horse racing results, political tlk (Sellers,Radcliff).
- 6145 WEST GERMANY DW: 0130-0150 EG "News Magazine" pgm (Lavenport 10/16).
- 6150 AUSTRALIA Lyndhurst-ABC: 1203 economic speech by a labour party leader(Radcliff).
- 6150 CHILE R. Nac de Chile: 1020 ID, engine sounds, TC, loud het (Walcutt-TX 10/22).
- 6150 COLOMBIA LV del Huila: 0600-0635 Lam mx, vocal ballads, M ancr(Cress,DW Johnson).
- 6151 ANGOLA Emisora Regional do Benguela: 2245-2301* Clsel mx, PT anmts, NA (Dayen-MN).
- 6160 COLOMBIA Em. Nueva Granada/R. Sucesos: 0850-1100 now using the WvV time signal on the hour, just like AFRTS!, Lam pop mx, ID, SP anmts, TC's, ID(Klein, Jordan,Tannenwald).
- 6160 CANADA CKZN-St. Johns: 0930-1116 ID, TC, EG nx, sports, wx, pop mx(Sellers,Alexander).
- 6160 CANADA CKZU-Vancouver BC: 2350 tlk by 2M on special education, wx @ 2356, CBC nx @ 0000, Good (DW Johnson). 0747-0802* Clsel mx, 0800 full ID including SW(Rankin-KS).
- 6165 MEXICO XEWV-LV de la America Latina: 1100 many XEWV ID's, freq. anmt (Zilmer-WI).
- 6170 PERU R. Corporacion: 0034 Salsa/Criollo mx w/few ID's, fair w/some QRM(Meyer-PERU).
- 6175 PERU R. Tawantinsuyo: 0032 SP tlk, many ID's, usual Huayno mx (Meyer-PERU).
- 6175 MALAYSIA RM-Kuala Lumpur: 1410 Vocal mx, M abcr in IN, waltz-mx. Good (DW Johnson 11/2)
- 6180 GUATEMALA R. Nacional: 0545 M ancr in SP w/several ID's, lcl SP nx pgm, into marimba mx (Klein 10/21). Stu, I've never heard R. Nacional when they weren't into Marimba mx, hi! -ScW 1105-1131 Marimba mx, TC's, ID's, SP nx (Gliksmn, Tannenwald).
- 6185 BRASIL R. Bandeirantes: 2330-2345 ID, continental PT mx, Very Good!(Rankin-KS).
- 6190 W. GERMANY SPB: 0730 booming in w/usual GM mx pgm (Klein DXpedition 11/4).
- 6195t NIGERIA Sokoto: 2250-2300 Afro tribal mx, some AR type chanting (Dayen 10/22).
- My comments next month, until then 73's, Merry Christmas, Happy Hanukkah, etc.....

NOTICE: Military radio collector looking for ARB, BC652, RAX, RBM, some others. Clunkers for parts, carry bags, control boxes, manuals, etc. FOR SALE: Test equipment, military radios, hf boat radio manuals, electronic books. Send an SASE for list and specify interest. Also for sale, 20 plus FRENIDX, RIB, others for \$5.00 ppd. H. Miller, 11206 First NE, Seattle, WA 98125

FOR SALE: Realistic DX-160 communications receiver in good condition. Will sell for \$125 and will ship by UPS. Write to: YN3 Donald Mc Cants, Building 45, Room 304, NAS Belle Chasse, LA 70037 or call (not collect) (504) 392-0640.

log report *section* **C**

6200-11699

PETER SCHIPELLITI

31 BEAVERBROOK ROAD BURLINGTON, MASS. 01803. or phone after 2200 GMT up until 0500 GMT.
617 272-3142. I hope that everyone had a nice Thanksgiving and perhaps got a chance to log a "New one" during any vacation time you might have had.

To Dan Robinson: Dan, Thanks for being one of the finest editors that a Log Report Column has ever seen. I wish you continued success in your career and hope that you will still find time for a little listening. And away we go.....

- 6213 USA? WDAB; 0055-0205* EG, Oldies format & DJ tlk. Mant invitations to write in: "We won't be around forever you know." poor (Monaco 10/16)(Krueger 10/16); 0550 EG, (Klein 10/21)(Alexander 10/21)
- 6215 ANDORRA AWR via R. Andorra; First noted 23 Sep, religious pgm 2055, 2100*. Again with an Arabic religious service 2030-2100*. Weak level, serious QRM from utility station co-channel. New "Station" (Padula 10/10) Nice catch Bob. Try for QSL! ps.
- 6249 EQUATORIAL GUINEA R. Malabo; 2109-2202* SP, Disco & African Pop Mx, occasional tlk by YL. s/off w/ NA & ID (Valko 10/18)
- 6550 LEBANON Voice of Lebanon; 0512 AR, pgm of Mx. ID as "Sowt el Loubnan" fair-good (Klein 11/4)
- 6840 CHINA/INNER MONGOLIA; Nei Menggu; 1102-1125 CH, OM/YL w/ Nx, CH Mx (Cucura 10/10)
- 7065 ALBANIA R. Tirana; 0000-0022 EG, Nasal voiced YL Annrcr w/ Nx & Criticism of US, USSR, and everyone else. (Tedford 10/27)
- 7120 ALBANIA R. Tirana; 0230-0300 EG, ID, Nx & Cmnty. CW QRM (Williams 10/12) (Jordan 10/19)
- 7140 JAPAN R. Japan; *1225-1235 RS, IS w/ EG-JP IDs, RS s/on & Nx. CW QRM (Buer 11/4)
- 7150 USSR R. Kiev; 0327, closing EG & giving freqs. for the 0300 xmsn now as 11690, 9735, 9505, 7400, 7215 and 7150: at 0030, 18780, 15240, 15100, 7215 and 7150. Radio Vilnius at 2300 is also on this freq as well as 7215 (Hauser 10/25)
- 7170 NEW CALEDONIA R. Noumea; 0801-0828 FR, Pop vocal Mx. ID at 0823. Clean signal (Gress 11/7)(Klein 11/4)(Sellers 10/27)(Jordan 10/28)
- 7175 SICILY RAI-Caltanissetta; 0526 IT, EZ Mx, ID, IT annctw (Klein 11/9)
- 7180 GABON Africa Number One; 2050-2110 in Fr/Eg/ & Bantu dialects, Continuous station identification in several languages. Requesting reception reports on postcards only, giving: Name, Address, Date, Time, How signal received in format as Very Well, Well or Not Very Well. Testing new 4500 kilowatt xmitter. (I think you probably mean 4.5 kw, ps.) Requesting reports be sent to "Africa Number One, Mailbox Number one, Libreville Gabon" Test will last two weeks. Drawings will be held using cards received. Prize: 504 Peugeot "and lots of other prizes." Strong Signal (Koenen 11/13)
- 7190 YEMEN DYBS-Aden; 2145-2156 AR, Western EZ Mx, tlks, ID exactly as listed in WRTH 2153, into AR chant. R. Moscow carrier, then IS, destroyed this one starting at 2156. Heard apparent NA and s/off in the background. I had the taped ID verified by a beautiful Egyptian lady friend who teaches Belly Dancing. Hil (Cunningham 10/14) Larry, That's what I call being resourceful. Good Job! ps.
- 7200 USSR Yakutsk-Yakut; 0825-0850 RS, Male Vocalist, OM tlks, YL w/ cmnty & Nx. fair. (Jordan 10/13)
- 7205 GREECE Voice of Greece; Greek to Australia now on this freq. replacing 6140 KHz. *2100-2150* (Padula 9/26)
- 7215 IVORY COAST R. Abidjan; 0630-0640 FR, OM ID & Tlks, Afro Mx w/ steel drum & choral back-up then to pop Mx. Fair-Good (Jordan 10/19)
- 7225 TUNISIA RTT; 0600-0635 AR, AR Mx w/ rhythmic chorus & drums plus exotic vocal chants. ID by YL, AR Mx, Good (Jordan 10/21)(Alexander 11/3)
- 7255 NIGERIA Voice of Nigeria; 0510-0525 EG, some Mx but mostly cmnty (Earhart 10/30)
- 7265 GERMANY (WEST) Sudwestfunk; GR tlks at 0640, Good signals via longpath, noted on DX pedition to Tarra Valley, Gippsland (Padula 10/6)(Jordan 10/19)
- 7270 POLAND Polish Radio; *2230-2245 EG, IS, Nx & Mx to Europe. Very Good. (Krueger 10/14) I'll dedicate this logging to our publisher Bill Oliver. Hey Bill, Polish Radio loves you. Hil ps.
- 7285 MADAGASCAR R. Nederland Relay; *2300-2310 Indonesian, IS, ID, Nx & Mx (Krueger 10/7)
- 7295 MALAYSIA R. Malaysia--Penang; 1540 EG, OM annrcr w/ EZ western Mx, ID at 1600, Fair-good w/ ARO QRM (Johnson 10/22)
- 7325 GREAT BRITAIN BBC; 0200-0245 EG, World & Domestic Nx (Kelly 11/4)(Thompson 10/17)
- 7345 CZECHOSLOVAKIA R. Prague; 0100 EG, Mx, Cmnty & tlk (Woltman 10/20)(Slomka 10/16)
- 7465 ISRAEL Kol Israel; *0415-0430 Pgm D in AR, different 13 note IS, TC, YL ID and into Koran readings. Very Good. (Krueger 10/16)

- 7512 Vietnam Tay Nguyen or Hanoi?; 1130 VT, tlk & local Mx. //9841. poor (Zilmer 10/13)
- 7550 SOUTH KOREA R. Korea; #2130-2135 SP, IS, s/on ID & Mx. Very Good. (Krueger 10/21)
- 7600 Ecuador HD210A; 0357 Time Pips, OM in SP w/ TC each minute. (Tedford 10/20)
- 9022 IRAN VOIRI; 2025* EG, YL giving address as Islamic Rep. of Iran Radio & TV, Teheran, Iran. Quite Strong! (Agner 9/20) /6)
- 9410 GREAT BRITAIN BBC; 0650 EG, //9510-Antigua but about 2 seconds in advance. (Klein 11)
- 9475 EGYPT R. Cairo; 0200 EG, AR Mx, Anncr seemed to be whispering. Exc. (Grishin 11/7) (Tedford 10/16)(Cincert 10/17)(Sereshon 10/13)(Danko 11/3)
- 9490T CHINA Tibet--Lhasa; 1210-1230 CH?, OM & YL alternately in what seemed to be CH, weak but in the clear. Does anyone know for sure? (Buer 10/10); 1415 CH? (Moore 10/21) Paul, Chances are that this is Lhasa, tho Still Tentative. Me and Mike Agner heard them on 11/12 but only got them Tentative. Tho many CH stations were heard that morning on 60 Meters. Keep trying or better yet, put up a beam. Hll ps.
- 9490 USSR R. Moscow; 2300 EG, This is the best of R. Moscow's North American Service Frequencies /of which there are about 15, as they admit./ for the new season--good clean audio, strong signal and little fading, like 12030 was in the summer. Most of the others are weak or inaudible, hummy, fluttery, covered by Cairo or otherwise QRM'd. And this one continues after 0400 with WS (Hauser-TN); 0057 (VanPatten 11/2)
- 9495 MONACO TWR; 0627-0645 EG, OM w/ tlk on "The Living Way of Jesus" & other religious topics. Freq. anncd as "31 mb". 0631--"The Way of Truth." (Danko 10/14) (Alexander 10/28) This is one of the easier heard TWR-Monaco outlets/at least in New England/ps.
- 9500 ALBANIA R. Tirana; 0610 SP, vicious attack against US & Soviet Imperialism. very good. (Klein 10/10)
- 9505 JAPAN R. Japan; 1000 EG, Mx, tlk abt Japan (Woltman 10/16); 1030 JP (VanPatten 10/27)
- 9509.7 PERU "OAXHU" Radio America; #1042 music following open carrier; 1047 full series of ID's: "esta es OAXHU, 1010 KHz., onda media; 94.1 MHz frecuencia modulada; OAXHU 6010 KHz, banda de 49 metros; OAXHU,...." Nearly overwhelmed by BBC open carrier at #1050. Hearing this seems to depend on the station signing on before the BBC wxtr comes up a few minutes later; perhaps only audible occasionally on Sundays.... (Walcutt 10/23) Nice catch Dave. Thanks for report. ps. (Zilmer 10/16) Thanks Bob.
- 9510 ANTIGUA BBC Relay; 0726 EG, News Magazine (Holland 10/14)
- 9515 TURKEY Voice of Turkey; #2130-2300* EG, Mx, Tourist Guide, Last Week in Ankara, Musical Stars. Good. //11880-Poor, 11955 Good (Fraser 10/26)(Jordan 11/3)(Sereshon 10/31)(Davenport 10/23)(Miller 10/12) (Earhart 10/11)(Hoffmann 10/10)
- 9525 CUBA R. Habana Cuba; #0630 EG, IS, ID, Summary of Pgs. Mx (Alexander 11/1) /30)
- 9540 UZBEKISTAN SSR R. Tashkent; 1220 EG, ID, Tlk on Puppet Show (Klein 10/29)(Zilmer 10)
- 9545 BRAZIL R. Universo, Curitiba; 2145 Sports (I can't read it!) What Lang? Portuguese?
- 9545 SOLOMON ISLANDS SIBS; 0655 EG, R&R Mx, frequent TC's (Calderwood 11/4)(Meyer 10/7)
- 9550 FRANCE R. France International; 0740 FR, religious service. Exc. (Holland 10/14)
- 9565 MALTA DW Relay; #0125-0150* EG. IS, ID, freqs, Mx, Orch Mx, Tlk on Nuclear Power, Tlk on Social Conditions in West Germany (Thompson 10/27)
- 9570 AUSTRALIA R. Australia-Shepparton; 0744 EG, "Listeners Notebook" Exc. (Holland 10/14)
- 9570 ROMANIA R. Bucharest; 0150 EG, "Newsreel" Cntry (Bauernhuber 10/15)(Cincert 10/17)
- 9575 FINLAND R. Finland; 0330 EG, Off the Cuff, Stories of our Time. //11755 New Freq to North America. (Zilmer 11/4)
- 9575 ITALY RAI; 0100-0120 EG, ID, Mx, YL anncr (Williams 10/17)(Earhart 11/2)(Grishin 11/3)(Bauernhuber 10/18)
- 9578.5 PHILIPPINES R. Philippines; 1018-1040 EG, Philippines talk, lots of marimbas. ID at 1027, 1040 (Walcutt 10/26 & 10/28)
- 9580 AUSTRALIA R. Australia-Shepparton; 1200 EG, Mx, "International Report" Exc. Signal, (Bauernhuber 10/26)(Thompson 10/26)(Krueger 10/11)
- 9585 CLANDESTINE Voice of the Communist Party of Turkey; #0800 TURKISH, IS(7 notes), OM anncr w/ ID and into prolonged talks. (Klein 10/22)
- 9585 JAPAN R. Japan; 1200 EG, News, //9505 poor (Zilmer 11/5)
- 9585 SOMALIA R. Mogadishu; 0820-0845 AMHARIC, Arabic tlk & Mx, soft voiced YL w/ two mentions of R. Mogadishu then to YL w/ Tlk & Mx solo, some f/o by 0845. Fair (Jordan 10/28); 0750 Afar (Holland 10/14)
- 9585 SOUTH AFRICA RSA; 0200-0220 EG, Tlk on Sporting Events in S. Africa (Davenport 10/23)(Thompson 10/14)
- 9590 NETHERLAND ANTILLES R. Nederland--Bonaire; 0230 EG, Mx & "DX Jukebox" (Sereshon 10/11)
- 9590 NORWAY R. Norway; #0700 NO, IS, ID, News. Very Good-Exc. (Klein 11/6)
- 9595 JAPAN NSB; 0900-0930 JP/EG, EG lessons w/ a story about buying gas., American Mx, ID at 0929 (Clifford 10/14)
- 9600 CUBA R. Moscow WS; 1500* New season sked has extended this relay in the mornings to 1500*. Bad mix with R. Tashkent to 1230. Not sure when this one starts up now, As before, takes a 30 minute break and then comes up on 25m, now 11860, qv (Hauser 10/28)
- 9605 CYPRUS CBC; #2215 GK, Guitar IS, OM w/ Tlk, Greek Mx. (Alexander 10/28)
- 9605 VATICAN Vatican R.; 0000-0014 EG, ID by OM, Tlk on Bible Reading. Message from Pope John Paul. Terrible het w/ a station on 9610 KHz. (Miller 10/13)
- 9610 ALGERIA RTVA; 2023-2030 EG, Disco Mx Pgm. 2030 into SP (Cunningham 10/7)(Klein 11/9)
- 9610 AUSTRALIA ABC-Perth; 1400 EG, "ABC National News" (Sellers 10/17)(Grishin 11/3)

- 9610 SOUTH AFRICA RSA; 0900-0950* EG, ID, Nx, TC's, Orch Mx (Thompson 10/30) /3)
- 9625 CANADA CBC; 1316 EG, Parliament proceedings of past week (Sellers 10/27)(Miller 11)
- 9630 CHILE R. Agricultura; 1000 SP, Tlk, ID, Mx, Nx (Zilmer 10/19)
- 9630 SPAIN SPR; 0130-0145 EG, Nx Service, weekly press review (Hoffmann 10/13)(Danko 10/29); 0543 EG (Danko 10/14)
- 9645NF FINLAND R. Finland; 0330-0400 EG, Northern Report, Answers to listeners questions, Good. This NF replacing old 9675 (Mayer 11/05)
- 9660 AUSTRALIA ABC-Brisbane; 1203-1217 EG, ABC Nx followed by the latest Queensland Nx, Mx, interviews. //4920 (Gliksman 10/20)
- 9665 BULGARIA R. Sofia; 2150-2200 EG, ID, DX pgm & Hobby Club (Cucura 10/26)
- 9670 AUSTRALIA R. Australia--Lyndhurst; 0737 EG, Mailbag w/ Warren Moulton (Grishin 11/4); 0820 EG (Holland 10/14); 0900 EG (Davenport 10/12); 1000 EG (Harrington 10/29)
- 9670 MALTA Malta Calling; 0700 EG, s/on as VOA s/off, Heavy Australian QRM, ID, greetings, address, report on new hotel (Sellers 10/27)
- 9675 PERU R. Del Pacifico; 0109 SP, Political speech on US, ID (Meyer 10/7) 28)
- 9675 POLAND R. Warsaw; 0636-0658 EG, Nx, "Postbag", DX pgm at 0650 //7270 (Alexander 10)
- 9690 ARGENTINA RAE; 0307-0340 EG, Cmnty, "Industrial Topics" Folk Mx (Tedford 10/16)
- 9694 CAMBODIA Voice of the Kampuchean People; 1202 EG, Tlk about People's Revolutionary council's decision to create a tribunal for minorities. weak but steady. noted since August. (Padula 10/17)(Osterman 10/20)
- 9695 BRAZIL R. Rio Mar, Manaus; 2352-2359 PT, songs w/ annmcs, wiped out w/ R. Sweden s/on at 2359, audible underneath (Buer 10/11)(Zilmer 10/22)
- 9695 SWEDEN R. Sweden; 2300 EG, Nx, Panorama, stamp corner. //11705 . This replaces 15275 KHz. (Zilmer 11/5); 0200 EG (Davenport 10/15); 0240 EG (Hensley 10/12)
- 9705 BULGARIA R. Sofia; *0000-0100* EG, Nx, Int'l Review, cmnty on Art Exhibit '79, Culture in Bulgaria (Fraser 10/27)
- 9705 INDIA AIR; *1114-1120 BURMESE??, IS, s/on w/ ID, tlks, Fair (Buer 11/2)
- 9715 NETHERLAND ANTILLES R. Nederland-Bonaire; 0620 EG, "Stamp Corner" (Danko 10/28); 0830 EG (Holland 10/14)
- 9715 USA WYFR; 0315 EG, Open Forum Pgm. Mr Camping really is an expert on the Bible! Good Pgm. Good Signal. (Miller 10/13); 0135 EG (Grishin 11/6)
- 9720 SOUTH KOREA R. Korea; 1600 EG, News Highlights of the past week (Harrington 9/30) (Thompson 10/27)
- 9720 SRI LANKA SLBC; *1230-1300 EG, IS, Time pips, ID, into "Impossible Dream" Mx, Awful atmospheric noise this morning, rel pgm (Gallagher 11/2)
- 9725 SWITZERLAND SRI; *0145-0215 EG, IS, Nx, Swiss Merry-Go-Round, //15305, 15130, 11715, & 6135 KHz. into SP at 0215 (Alexander 10/28)(Davenport 10/24)
- 9730 GERMANY (EAST) R. Berlin International; *0100-0140* EG, IS, ID, Nx, Mailbag, Weekend Magazine (Baker 9/17)(Alexander 10/15) //11975
- 9735 GERMANY (WEST) DW; 0310 DUTCH, Surprised to hear DW speaking Dutch, in addition to Deutsch. The reason was., this was a concert from Rotterdam, featuring the Northwest German Wind Orchestra. At this time on GMT Mondays every fifth week(e.g. 12/9) they have a quiz show (in GM) with a trip to Germany as the grand prize (Hauser 10/22); 0836 GM (Holland 10/14)
- 9740 SINGAPORE BBC Relay-Kranji; 1115-1130 EG, "News About Britain" Big Ben Chimes at 1115, into cmnty by OM. ID at 1130 Poor-Fair (Cunningham 10/7)
- 9745 CAMEROON R. Yaounde; 2231-2301 FR, Assorted Western Mx in EG. //4850 KHz. march or anthem at 2301 GMT (Gliksman 10/13)
- 9745 ECUADOR HCJB; 0230 EG, "DX Party Line" (Sershon 10/10); 0300 EG (Kelly 10/25); 0430 EG (Danko 10/14); 0840 EG (Holland 10/14)
- 9745 IRAQ R. Baghdad; 2215 EG, Tlks, MidEast Mx, annmct & off at 2225* ID, (Uerlings 10/14)(McClellan 11/1)(Miller 10/12)(Danko 10/28)(Kelly 11/4)(Schipelliti 11/21)
- 9748.5 SOCIETY ISLANDS R. Tahiti; 0838-0900* FR/TT, rock Mx in EG, Marseillaise at 0859, London Bow Bells s/on 9750 at 0854 (Walcutt 11/4)
- 9750 CHILE R. Minería; 0955 SP, annmcs, IA Mx, ID, usual Good Signals (Gallagher 11/2) ; 0055 SP (Meyer-PERU 10/12)
- 9765 BULGARIA R. Sofia; *2130-2138 EG, "Main Points of the Nx", "News in Detail" by YL, Very Good signal w/ unid Co-channel QRM way underneath (Schipelliti 11/21)
- 9770 AUSTRALIA R. Australia--Shepparton; 1320 EG, To Asia, Australian Pop Mx (Sellers 10/27); 1435 EG (Thompson 10/20)
- 9770 AUSTRIA ORF; 0130 EG, Austria at the UN (Grishin 11/7)(Davenport 10/22); 0330 EG (Danko 10/30)
- 9770 HAITI 4VEH; 1105 EG, YL w/ letterbox pgm, songs, poor. QRM Australia. //11835 was Fair (Sellers 10/20)
- 9770 HAITI/CUBA/AUSTRALIA : 1200-1210, 4VEH/R.Habena/R. Australia mixing w/ NO Het. All About the same strength. What a mess. (Buer 10/10)
- 9780 KAZAKSTAN SSR R. Alma Ata; *0000 Lang?, IS, Chimes, USSR NA, YL annr w/ ID & Tlks. Fair-Poor (Klein 11/6) I'll have to give this one a try. Haven't heard it yet. ps.
- 9780 YEMEN ARAB REPUBLIC R. Sana; 0320-0340 AR, Vocals, Chants w/ strings (Cress 11/6) (Bauernhuber 9/8)
- 9800 USSR R. Kiev; 0054 EG, Mailbag Pgm (Yajko 10/14); 0315 EG (Slomka 10/16)

- 815 ISRAEL KOL Israel; 2230 EG, Nx, Forum, Nx Roundup (Serhshon 10/31)(Grishin 11/4)
(Woltman 10/20)(Thompson 10/30); 2300 HB (Danko 10/14)
- 820 CHINA R. Peking; 1256* EG, NAM Service noted as of 10/30 on "30 metres" replacing
15220. Both sound about the same in the 1200 xmas--strong signal but heavy fading
and distortion. (Hauser 10/30)
- 835 HUNGARY R. Budapest; 0205 EG, Nx, Cmtry on Non-Aligned Countries Conference in
Havana, Athletics in Hungary and Drama in the Schools (Hesch 9/4)(Bauernhuber 10/15);
2110 EG (Danko 11/3)
- 870 SOUTH KOREA R. Korea; *2000-2015 EG, IS, EG/KR ID's, into Nx by VOA sounding man.
Good (Krueger 10/9)
- 880 CHINA R. Peking; 2050 EG, To Afr/Eur, interview abt Scientific exchanges w/ Britain.
slight Het. Fair (Buer 10/27)
- 7945 CHINA R. Peking; 1240-1258* CH, Chinese Mx-Vocals, Instrumental Mx, Tlks. (Thompson)
- 7953 UNIDENTIFIED : YL singing in AR, then OM anncr into Korantic Chants. Mod was badly 3)
Distorted, making intelligibility almost nil. Anyone?? Maybe an ISB feeder (Agner 11/
- 7977 NORTH KOREA R. Pyongyang; 1200-1230 EG, ID, Cmtry, strong clear signal (Williams
10/14); *1100 EG (Earhart 10/12)(Cincert 10/17); 1145 EG (Woltman 10/12)
- 10000 ARGENTINA LOL; 2345 SF, Heard under WWV. Time station. (Sellers 10/26)
- 10040 VIETNAM Voice of Vietnam; 2058-2105 EG, Mx & Tlk. (Earhart 10/24)
- 11000 CHINA R. Peking; *2230-2250 RS, IS, "Gavorit Peking" IDs and hit by Jammer (Krueger
- 11350 NORTH KOREA R. Pyongyang; 0555 Lang?, OM/YL w/ interviews, vocal Mx (Cobb 10/11)
- 11605 CHINA R. Peking; 2300 SF, ID, Nx abt China (Slozka 10/28)
- 11615 ALGERIA R. Algiers; 2100-2130 EG, Nx, Wx, Disco Mx show. Is this a new time for EG?
(McClellan 11/5) Yes, EG is now broadcast at 2100 GMT. ps.
- 11620 INDIA AIR; 1745-2230 EG, Heard best for me from 2030 till s/off. Indian Mx, Nx.
(Dickman 10/22)(McClellan 11/3)(Miller 10/12)(Tedford 10/28)(Johnson 10/22)
- 11655 ISRAEL KOL Israel; *2230-2300* EG, Nx, "Studio 3" - Israel Philharmonic. //9815,
15300, 17865, 17815 KHz. (Fraser 10/11)(Schipellitti 11/21)(Bauernhuber 10/17); 0500
EG (Cobb 10/3)
- 11665 IRAQ R. Baghdad; 2030-2040 AR, Tlk-Nx?, W/ ID at 2040 (Buer 10/20)
- 11667 IRAQ R. Baghdad; 1730-1750 AR, presumed the one per Oct. LR-D w/ vocal, OM anncr
clear but weak not // AR FS pgn on 9745 (Krueger 10/30)
- 11675 CHINA R. Peking; 2100-2105 RS, IS, ID, Nx, Ute QRM (Buer 10/20)
- 11690 KUWAIT R. Kuwait; 2045-2100* EG, still here Mixing w/ Arabic station (Libya?) w/
usual to 2100* (Buer 10/20)

And That Does It! I've had a chance to do some listening in the past few days. Have heard a few new things. Try for Mongolia...R. Ulan Bator on 12070 KHz from*1220-1250* in EG. A YL comes on w/ ID then Nx. If you haven't heard the BBC Far Eastern Relay from Kranji Singapore then tune to 15280 KHz at about 0850 GMT. At 0855 the Interval Signal will come on, then just before the hour you'll hear an ID as "BBC Far Eastern Relay Station". Programming starts at 0900 in EG. I finally heard Algeria. As a matter of fact, I just heard it today as I was typing the column. Look for Algeria on 9610 or 11615 KHz at a NEW time of 2100 GMT for their EG Pgn. If you like disco Mx then you'll enjoy the program.

I just added some new equipment to my shack. I now have an Autek QF-1 Active Audio Filter which does a very good job with my FRG-7. At a recent Ham Radio Auction I picked up an oldie but goodie!!! For 25 \$ I now own a National RAO-7 (Bob Wirrell Beware!). Yes, a Boat Anchor, this one weighs in at 97 lbs. I brought it home and spent about 6-7 hours cleaning, scrubbing, fixing, and so on. Yes, it works. The highlight of the purchase was the original instruction book that came with it. PAGE IV of the manual contains the following.

DESTRUCTION NOTICE

It may be necessary to destroy this equipment to prevent the enemy from using or salvaging it for his benefit. Destroy this equipment when ordered by your superior officer, or when you are in immediate danger of capture, as follows,

1. Remove the chassis from the cabinet by loosening the screws around the edges.
2. Smash--Use sledges, axes, hammers, crowbars, heavy tools, etc.
3. Burn--Use Gasoline, kerosene, oil, flame-throwers, incendiary grenades, etc.
4. Explode--Use firearms, grenades, TNT, etc.
5. Dispose--Bury in slit trenches, foxholes, throw in deep water.
7. USE ANYTHING IMMEDIATELY AVAILABLE FOR DESTRUCTION OF THIS EQUIPMENT.

Particular attention should be given to the destruction of the following components;

1. Smash-Transformers, coils, tubes, capacitors, potentiometers, chokes and coil carriages.
2. Cut--If there is time, remove the bottom plates from chassis and cut wiring, rip out coils, resistors, capacitors, and controls.
3. Burn--This technical manual.
4. Bury or scatter--Any or all of the above pieces after breaking.
5. DESTROY EVERYTHING.

All I can say is don't let your wife, girlfriend, husband, boyfriend, mom or dad get a hold of that checklist. Hi!..... I'm looking forward to Christmas Whereas I'll have a month break from school. I hope the Seventies were prosperous & DX filled for everyone. Keep your receiver tuned to some of the Mid East stations. There will be some interesting opinions expressed. Most of all Happy Holidays & Merry Christmas to Everyone. 73'S Peter

log report section

11700 TO 17699



BRETT SAYLOR

This month I'm doing double duty for both LR-D and LR-E, as Bob Brown is leaving after doing a fine job on D for the past year. We'd like to thank him for all the work he has put into it, and wish him all the best in his job. Terry Colgan from Texas will be taking over for January.

With winter DX entering full swing, we've got plenty of loggings.....

- 11715 BELGIUM ORU; *2344 DT, *0015-0100 EG, long IS, ID's, nx, cmtry on women's rights (5 reporters) Bauernhuber)
- 11715 SWITZERLAND SRI; 0144-0210 EG, s/son, nx, dateline (VanPattern, Hauser)
- 11730 GREECE EPT; 0218 GK, on same freq's as before, but no EG, just mx and GK (Hauser)
- 11735 LITHUANIA R.Vilnius; 2310-2328 EG, Mailbag pgm, Lithuanian mx festival (Danko) (Sershon)
- 11735 USSR R.Kiev; 0300-0328 EG, Nx, Ukrainian history, DX club program
- 11735 PORTUGAL NHK Relay (Sines); 2200 EG, General Service nx, replacing 15305 KHz (Zilmer) reporters)
- 11750 BULGARIA R.Sofia; *2130-2145, *0430-0500* EG, ID's nx & cmtry (4-INDIA AIR; (time?) EG, Xmsn to N&W Africa, native mx (Hesch)
- 11755 GREECE VOA; 1930 EG, nx, fair signal, bad QSB (Holland)
- 11775 PHILIPPINES R.Veritas Asia; 1136-1148 EG, M DJ, ID mx, fair after BBC s/off @1130 (Krueger) congrats on LR-A, Terry! bds
- 11780 BRAZIL RNac Brasilia; 0045-0115 PT, tlks, orch mx, vocals, ID's (Thompson)
- 11785 UZBEKISTAN R.Tashkent; 1200-1230 EG, fair, but 9540 & 6025 usually better; 9600 blocked by RM/Havana (Hauser)
- 11790 COLUMBIA R.Nacional; 1230 (lang?), nx followed by classical mx; no sign of V. of Indonesia at 1400 (Field)
- 11805 FRANCE RFI; 2040 FR, gen. tlk, heavy QRM from Moscow (Holland)
- 11805 USSR RM; 2037-2205 EG, nx & cmtry, QRM de France (Sellers, Holland)
- 11810 USSR RM; 1300-1320 EG, mx by Bach, ID's, nx & cmtry (Thompson)
- 11815 JAPAN R.Japan; *1600 EG&JP ID's, nx, cmtry, poor (Sellers)
- 11815 POLAND R.Warsaw; 0200, 0300-0326 EG, Press Review, PL folk mx, "Spotlight on Polish Culture" (Byron, Tedford)
- 11815 CANARY ISLANDS REE; *2045 SP, nx, SP classical mx, p (Holland)
- 11830 S.KOREA R.Korea; 1600-1630 EG, s/son, nx, editorial, Korean mx (Harrington, Sellers, Kelley)
- 11835 HAITI 4VEH; 1340-1400*, 2300 EG, IS, ID's, light mx, religious pgm (Cucura, Alexander)
- 11850 BULGARIA R.Sofia; 2145 EG, pgm to UK, DX club for hams (Sellers)
- 11850 NORWAY R. Norway; 0810 EG, nx about Norway, ID by W (Alexander)
- 11855 CZECHOSLOVAKIA R.Prague; *0730-0800* EG, Asian & Pacific svce., IS, ID then world and local nx, cmtry (Jordan)
- 11860 SEYCHELLES FEBA; 1635 Somali, IS w/ ID to 1640, W w/ sign-on & M vocal chanting & drums to 1655* (D.W. Johnson) EG 1615-1630*
- 11860 CUBA RMWS via Havana; *1530 EG, here ex-11840, not as strong as before; sked changed to 1530-2200 (Hauser, Buer, Overcamp)
- 11866.5 BRAZIL R.Clube Pernambuco (Recife); 0715 PT, M DJ w/ vocal mx, Rooster crows, TC's, commercials, ID's & echo effect (D.W. Johnson)
- 11870 NORWAY R. Norway; *2200 EG, nx (Holland) details....?
- 11880 SPAIN REE; 0050-0545, 1055 EG, nx about Spain, DX tips @0156, 1055 (Van Patten, Danko, Grishin, Holland) SP also noted during time.
- 11890 E. GERMANY RBI; 0350 EG, nx & cmtry, hvy QRM (Bauernhuber)
- 11900 S. AFRICA RSA; 0205-0250 EG, world & local nx, "Medical Profile" "South African Panorama" strong signals (4 reporters)
- 11905 N. KOREA R.Pyongyang; 0840 FR, QRM after 0900 from Taipei co-chn. Sked for Pyongyang is *0800-0950* (Padula)
- 11905 SWEDEN R.Sweden; 0030-0100 EG, ID, nx, "Panorama" (Williams)
- 11910 HUNGARY R.Budapest; *1830 ID in listed Turkish, in bkrnd hrd a YL reading German numbers. (Agner)
- 11910 ECUADOR HCJB; 0030-0405 EG, mx pgms (Grishin, Zilmer)

- 20 GERMAN DEMOCRATIC REPUBLIC RBI; 0028-0300 SP, into PT. "Chile al
Dia" pgm. (Moeller)
- 20 CUBA RHC; 2137 EG, closing xmsn on this new freq to NA; don't know
if still on 16m or not (Hauser)
- 20 IVORY COAST RTV; 0720-0745 FR, W w/tlk, followed by M DJ w/pgm of
US & Euro pop mx and nxcast, good (Jordan)
- 25 BRAZIL R.Bandeirantes; 0225-0240 PT, apparent sports scores, other
tk & mx, over Bonaire (Moeller)
- 25 PORTUGAL R.Portugal; 0300-0520 EG, to NAM with het, maybe off fq
also audible around 11935, but may be image across strong RHC OC
on 11930 (Hauser)
- 25 USSR RS Peace & Progress; 1530-1547 EG, usual cmtry, ID's (Cinert)
- 25 IRAQ R.Baghdad; 0315-0330 EG, excellent MEastern mx, difficult to
hear due to jammer(Kelly)
- 25 BONAIRE TWR; 0057-0108 EG, xmsn to Far East, "Radio Today"pgm.
(Glikzman, Bauernhuber) Rav, New Delhi is just their maildrop.bds
- 50 LIBERIA ELWA; 0625-0630, EG, FR, AR ID's, chime IS, tk in AR w/
mentions of Liberia (Jordan)
- 35 PORTUGAL RP; 0515-0530 EG, W w/ tourist promo for Isle of Maderia,
mx thru out. (Jordan, Holland)
- 35 IRAQ 0100-0140 AR, R.Baghdad; AR mx, chants, M ann & soft-voiced
W. QRM de TWR & RHC (Jordan)
- 35 TURKEY VOT; 2210-2230 EG, W w/ conclusion of Turkish Press Review,
into Mailbag pgm, Turkish pop mx (Jordan)
- 35 ISRAEL IBA; 2258 EG, to NAM& Europe, nx roundup, 2300* (Sellers)
- 35 ALBANIA R.Tirana; 0420 unkwn lang, mx (Cobb)
- 30 CZECHOSLOVAKIA RP; 0120, 0300-0357 EG, world nx, cmtry, Mailbag
pgm (Danko, Bauernhuber)
- 30 AUSTRALIA VNG (Time Station); 0750 - 0800, time pips with ID
by M, QRM de Mayak (Jordan)
- 20 USSR Mayak; 0605-0755 RS, nx by M & W incl. "Three Mile Island"
situation, folk mx, good. (Jordan)
- 15 AUSTRIA Austria Radio; 0320-0330 GM; ID by M w/ pgm ann. "Music
from Austria" followed by two "beer drinking songs" (Jordan)
- 35 VIETNAM VOV; 1001-1015 EG, News to ID 1013, cmtry followed, splash
from UTE on 12038, //10040 (Buer; Cucura)
- 50 ASIATIC SSR RM via Khabarovsk; 0450-0500 EG, RS folk mx pgm incl
the "Volga Boatman Song" (Jordan) (Williams)
- 50 USSR R.Kiev; 0030-0100 EG, ID, nx, views, R.Kiev DX club, // 17845
- 30a CHINA RP; *0200-0240 SP, IS, ID by M, into nx & cmtry (Jordan)
- 30 S. KOREA RK; 1340-1350 SP, M & W w/ world nx, ID, mx (Jordan)
- 90H COLUMBIA R.Melodia; 0540-0550 SP, LAM songs, TC's, ID. Deep fades,
fundamental covered on 6045 by R. Australia (Buer)
- 95a UNID "Number's Station"; 0239-0250 EG, SSB 5-digit groups by W,
ann "End of information" at 0250 (Danko)
- 10 CHINA RP; 2105-2110 FR, ID & tk by man, fair (Buer)
- 20 CLANDESTINE August 1st Radio; 1230-35/1300-05/1600-05 CH, 5 min.
each with attacks on the Chinese Communist Party being too friendly
with the US; hrd behind RTTY (Bloch) Interesting.bds
- 30 ARGENTINA LOL; 2310 SP, Time pips, ID every 5 min, "Observatorio
Naval Argentina, horas minutos. Fair under WWV (McClellan)
- 45 GRENADA R.Grenada; 2148-2347 EG, nx, sports, ads,BBC programming
good to poor (5 reporters)
- 50 SAUDI ARABIA BSKSA; 1600-1630, 2240-2300 AR, political tlks,
chants, instr. mx, Koran readings (Thompson, Gallagher)
- 70 UK BBC; 1434-1500, 1900 EG, "Outlook", "Magical Mystery Tour"
rock mx (Kelly, Grishin)
- 75 AFGANISTAN RA; 1900-1930 EG,nx by W, ID's, folk mx, political cmty.
(7 reporters)
- 84 IRAN VOIRI; 1830-0200 Farsi, exotic MEastern mx, cmtry by M
(Jordan, Holland, Diekman) currently an interesting station to be
listening to, if you know the language. bds
- 20 SRI LANKA SLBC; 1806-1838 EG, ID, freq's, top 40 mx, into lang @
1815 w/ folk mx (Baker)
- 20 NIGERIA VON; 0650-0710 EG/FR, African mx, ID's, drum mx & into FR
@ 0700 (Jordan)
- 20 POLAND RW; 0300 EG, nx, letters from US, bdcst to US & Canada
(Heach)

- 15145 BRAZIL R.Jornal do Comercio; 2015 PT, Futebol (Zilmer)
 15140 CHILE 0000-0345 EG, SP, usual cmtry (4 reporters)
 15155 SOUTH AFRICA RSA; 2040-2050* FR, 2100 EG, nx (3 reporters)
 15165 DENMARK RD; 1727, 2238-2357 DN, IS, DN/EG ID's, nx, contemp. mx
 (D.W. Johnson, Danko, Jordan)
 15200 GABON Africa # 1; 0640-0730 vern, FR, 1845 FR, African vocals &
 chants, frequent ID's & requests for reports (Jordan, Byron, Cunn
 ningham)
 15205 INDIA AIR; 1036-1050 EG, Book reviews, poetry readings. (Cinert)
 15230nf TURKEY Ankara; (time?) Turkish svce, national songs, with QRM Cuba
 and Australia co-channels. (Padula)
 15225 TUNISIA RTT; 0040-0105 AR, String mx & vocals, good. //7225 poor
 due to ham QRM (Cress)
 15250 INDIA AIR; 1135-1140 EG, 5min of state & development nx, // 9705,
 11850 (Zilmer)
 15260 ASCENSION ISLAND BBC; 0045-0200 EG, nx, "Radio Newsreel" (Tedfor
 15280 USSR/AFGHANISTAN Evidence is mounting that USSR is relaying R.
 Afghanistan home svce. Goonetilleke reports pilot tones before
 0130 xmsn, and I have hrd them too, 22/10 missing KGEI. Green,
 WRC says fq change to 15305 same day as other Soviets. (Hauser)
 15300nf ISRAEL IBA; 2235-2240 EG, ID & nx (Buer)
 15305 PORTUGAL RJ via Sines; *2200-2230 EG, JP at 2215, nx & cmtry
 (Fraser, Padula, Jordan)
 15310t GUINEA R.Nac. Conakry; 0330-0400 FR, mx pgm w/ upbeat melodies, M
 vocals and brass instrumentals; possible ID in FR (Jordan)
 15325 UGANDA RU; 0314-0412* EG, pop and US disco mx, African mx, good
 signals (5 reporters)
 15333 COLUMBIA R.Nacional; 0133-0205, 0723-0745 SP, LAm mx, EG lessons,
 // 9633, 11793, 5997 (Alexander, Cucura, Kelly)
 15340 ITALY RAI; 0345 EG, mx, pgm on gas pipeline (Byron)
 15345 NEW ZEALAND RNZ; 0515-0631 EG, nx. mx, cmtry, comedy recordings,
 A. Cooke's "Letter's From America" vry good (Danko)
 15350 ZAIRE La Voix du Zaire; 2205-2340 FR, M DJ w/ fast tlk in FR,
 FR & EG disco mx, ID's, promo's (Jordan)
 15350 LUXEMBOURG RL; 0115-0145 FR, ID's, mx pgm, call-in's to DJ (J.
 Williams)
 15367 ALGERIA RTVA; 0140 AR, AR mx, W ann. (Alexander)
 15365 CANARY ISLAND REE; 2116 SP, W w/ Latin music, some African mx,
 // 11815 poor (Uerlings)
 15380 MALAYSIA BBC; 0030 EG, nx, drama. Correct me if I'm wrong, but
 WRTH lists this as Malaysia (Holland) Freq no longer listed in
 current BBC listings. bds
 15400 FINLAND RP; 1400-1500 EG, nx, regular pgms (7 reporters)
 15405 SEYCHELLES FEBA; 0157, *0340-0350, EG@0157, unided at other times
 IS, ID's religious music (Yajko, Valko, Jordan)
 15425 SRI LANKA SLBC; 0030-0153 EG; popular mx, "All Asian Svce", "Back
 to the Bible" pgm (Yajko, Gliksmn, Diekman)
 15430 MEXICO Radio Mexico; 0000-0400 SP many ballads, IDs, etc. good
 15440 USA WYFR; 1526 EG relig pgms (Holland) (6 reporters)
 15445 LIBERIA VOA (Monrovia); 1610-1645 EG magazine program (Thompson)
 1850 letterbox, to Africa (Holland)
 15455 USSR Radiostansiya Atlantika; *1630-1730* RS nx and cmtry (Jorda-
 15460 UZBEK SSR R. Tashkent; *1200-1228* EG ID, Nx, cmtry (Cucura) n)
 15470 PAKISTAN R. Pakistan; 0520-0540 AR folk mx, nx (Jordan) 1700 EG
 nx and cmtry (Uerlings)
 15570 S.KOREA R. Korea; 0402 EG, s/on nx on pres death. poor (Tedford)
 *2300 EG nx, freqs, no mention of death (Johnson, Zilmer)
 17650 CHINA R. Peking; 0146 SP, opera mx, ID v. good. (Sellers)
 17680 CHINA R. Peking; 0145 EG to NA v. good (Sellers) 0305 EG nx (Harr-
 17685 ISREAL Kol Isreal; 1200-1205 EG to NA, f/g (Buer) ington)

Out of order, but I wanted to get this one in:

- 12070 MONGOLIA R.Ulan Bator; *1220-1250* EG, with IS, ID's by M&W,
 nx & comment by W annrc, "You are tuned to R.Ulan Bator," Mayak
 QRM from 1230. poor-fair (Berzonsky, O'Donnell, Saylor, Wicks
 11/17)

log report section

17700 & ABOVE



RETT SAYLOR

- 710 ROMANIA Radio Bucharest; 0308 EG, "Radio Newsreel" commentary, strong clear signal, better than VOA & RCI. (Cinert)
- 725 JAPAN Radio Japan; 0152 EG to NAM, M & W tlk, very poor. (Sellers)
- 730 USSR Radio Moscow; 1200, Eg news & letters from listeners, fair. (Zilmer)
- 750 CANADA RCI; 2020 EG, tlk on thermo energy, fair. (Van Patten)
- 755 JAPAN Radio Japan; 0100 0200 both EG, news and commentary with features, good-fair. (Reid, Sellers, & Kelly)
- 760 SAUDI ARABIA BSKSA; 0530 AR, ME mx with ID as "Arabiyah t'Saudiyah" very good. (Klein)
- 770 GUAM KTRW; KTWR now on this new freq. replacing 17855, Chinese languages 2300-2330. (Padula, Australia)
- 775 EUR RSEFSR RMWS; via Ryazan, site per QSL, 0705 EG. (Klein)
- 780 SOUTH AFRICA RSA; 2130,0200,0230,0600 all in EG at different strengths. (Jordan, Earhart, Zilmer, Hauser, Bauernhuber, Klein)
- 790 PHILIPPINES Radio Veritas Asia on new freq. EG 0030-0100, Japanese 0100-0130, replaces 17710 but severe QRM from RA. (Padula, Australia)
- 795 NORWAY Radio Norway; 1630* EG pgm "Norway this Week" fair (Van Pat.)
- 795 AUSTRALIA RA; 0202, 0320, 0415 all in EG. p-f. (Sellers, Jordan)
- 7800 CHILE Voice of Chile; FR followed by SP 2300-2330, news and commentaries. (Moeller)
- 7815 BRAZIL Radio Cultura; 0045-0050* PT, splash from RCI. (Buer)
- 7820 CANADA RCI; 1810-1830 EG, DX Digest. (Danko, Kelly)
- 7825 JAPAN Radio Japan; 2345, 0130, 0200 all in EG. (Reid, Cucura)
- 7830 PAKISTAN Radio Pakistan; 0220-0245 EG ID and slow speed news weak, //21590. (Zilmer, Tedford)
- 7855 CHINA Radio Peking; CH 0440-0456*, orchestral numbers & tlk, fair. (Earhart)
- 7860 NEW ZEALAND Radio New Zealand; 0350, 0530 both EG with mx, nx & weather. (Serhson, Cobb, Moore, Bauernhuber)
- 7860 AUSTRIA ORF; 1230 EG, mx, nx, & features to NAM. (Hesch, Sellers)
- 7870 USSR Radio Yerevan (unknown site), 0347-0359 EG & AR, folk mx, AR nx & ID as "The Voice of Yerevan". (Gliksman)
- 7870 LITHUANIA Radio Vilnius; EG nx & mx 2300-2330. (Moeller)
- 7870 AUSTRALIA Radio Australia (Carnarvon); 0600-0630 EG, band music //15160,15240. (Alexander)
- 7870 LIBERIA VOA (Monrovia); 1558-1645 EG, Thursday night magazine show w/correspondant reports. (Thompson) (Sellers)
- 7875 F.R.GERMANY Radio DW; 1234 EG, nx roundup to W. Af. till 1245*.
- 7880 PORTUGAL R. Portugal; *1800-1830 EG, NA, nx, ID, freqs then 'Holiday in Portugal'. Into lang at 1830. (Baker)
- 7880 JAPAN Radio Japan; 0500,0700 EG, ID, nx. //17815,17810. Anncd //15270 also. VG (Klien,Cobb)
- 7880 USSR RMWS; 0610 EG via Frunze, World Service programming also //17730 Irkutsk, 17825 all g. (Klein) 1230 fair with EG talk by woman. (Van Patten) (sites per UHN)
- 7885 UKOGBANI BBCWS; 0300 EG with world nx. g (Van Patten)
- 7890 ECUADOR HCJB; 0130-0200 RS listed for 11755 but not audible, into FR at 0200. QRM co-channel Australia, equal level 9/30 (Padula, Jordan)
- 7900 VATICAN STATE Vatican R.; 1705-1715 EG report on the Pope's visit to the U.S. (E. Hoffman)
- 7920 EGYPT R. Cairo; 1240-1305 EG letters, AR mx, and lesson 145 of AR by Radio (can't wait for 146) (Krueger) let me know what happens!
- 7930nf LIBYA Voice of the Arab Homeland; 2130 AR w/tlk & local mx.(Zilmer) 1500-1520+ bells, AR nx, ID at 1515. (Buer)
- 20062 USA VOA; 1700-2000+ Persian feeder w/big band mx & ID (Van Patten)
- 21475 FINLAND FIR; 1437 EG to 1500+ with nx, commentary, mailbag program to Finnish at 1500 (Sellers,Buer,Moore,Mayer) (Hoffman)
- 21480 NETHERLANDS R. Netherlands; 1440-1510 EG, Nxline and opera mx.
- 21485 USA VOA; 1839-1910 ID and Af mx. (Van Patten) WRTH lists Bethany
- 21495 GABON Moyabi; testing 0850 w/mx pgms 4 Oct. (Padula) lang?

- 21520 SWITZERLAND SRI; 1116 EG 'Talkback' pgm to Af & Eu. g (Sellers)
 21525 AUSTRALIA R. Australia; 0515 EG mx (Cobb) more details, please
 21530 CHILE V. of Chile; 1120 EG Chilean mx. (Sellers)
 21535 SOUTH AFRICA RSA; 0545-0610 EG svc to W Af w/IS, ID, world nx (Jordan)
 21540 EG SA Panorama. f (Van Patten)
 21550 UKOGBANI BBC; 1121 EG w/'New Ideas'. fair & //21710 g. (Seller)
 21565 USSR RMWS; 2340 EG to NA, talk about NATO (Sellers) 0200-0230 nx
 & cmtry on SALT II //9530, 9700, 9685, 11750, 11780, 11960. (Williams)
 21570 SWITZERLAND SRI; 1315-1345 EG w/nx, 'Swiss Merry Go Round' (Woltman, Van Patten, Williams) 1535-1600 EG, pgm w/ editor of the WRTH on it (E. Hoffman)
 21580 FRANCE RFI; 1705 EG found on this and also // 21675, 21620, 17860, 17850, 17795, 17720 but no 19m freqs on 4/11 (Hauser) 1700 EG, 'PCA'
 21590 PAKISTAN R. Pakistan; 0124-0135 lang. OC till 0127 (Sellers) then IS, annot by w in lang. Local mx 0130. (Alexander) 0230-0245 EG slow speed nx. (McClellan, Miller) (Earhart)
 21600 F.R.GERMANY R. DW; 1215-1225 EG reports on Soviet troop movements.
 21600nf ISREAL IBA; Hebrew HS relay 2050; interesting HF propagation.
 21605 PAKISTAN R. Pakistan; *1630 TK tk and local mx to 1730* (Padula) with 5 minutes of EG nx 1650-1655 //17640 (Zilmer)
 21610nf D.R.GERMANY RBI; opening 2130 in PT, into FR 2215 as of 13 oct. Also found 0400-0415 in SP for SA.. Station tested here earlier this year.
 21615 USA WYFR; 1800-2000 EG "Conference Echos" xclnt. (Danko) (Padula)
 21615nf NORWAY R. Norway; SSB relay; NO 0815, SP 0825, to 0830* (Padula)
 21615 SWEDEN R. Sweden; 1400-1430 EG nx, cmtry, SCDXers (Woltman, Mayer)
 21640 JAPAN R. Japan; 0130-0230 EG nx. SP at 0230 (4 rpters) E. Hoffman
 21640 HOLLAND RN; 2105 EG talk about DXing & antennas to 2120* (Van Patten)
 21670 BANGLADESH R. Bangladesh; the time in my October logging should have been 1228-1235; by mistake I used EST (Buer)
 21670 PHILLIPINES AFRTS; 0448 EG, usual mx and fare (Cobb)
 21670nf AUSTRIA ORF; 1240-1255* EG, to SE Asia, mozart mx to s/off; IS, ID freq annced was 21610 (Buer)
 21685 KUWAIT R. Kuwait; 1250-1315, 1500-1508 AR w/ AA mx, nx. (Buer, Thom-
 21690 GABON Moyabi; here 2030-2100* continuous mx (Padula) lang? pson
 21735 MOROCCO RTM; 2230 AR nx, mx ID 'Huna Rabat' (Diekman)
 21740 AUSTRALIA RA; 0100-0330* EG pop mx, nx, wx, many IDs (6 reporters)
 21755 PAKISTAN RP; *1600-1615* EG world nx by m. (Jordan, Yajko, Williams)
 23600H PORTUGAL RP; 1700PT, sports event. 2X11800 (Agner)
 23740H USSR RMWS; nx in brief, 2 X 11870 (Agner) time?
 24020H USSR RMWS; nx review 1630. 2 X 12010. (Agner)
 24140H USSR RMWS; tent in Persian at 1635; //12070, so 2 X 12070 (Agner)
 24190H UK BBC; Alistair Cooke pgm 1645; 12095 X 2 (Agner)
 24480H CANADA BBC via Sackville; EG at 2348 (4 X 6120) //24700 (4 x 6175)
 25640 ISREALnfIBA; *0535-0555* RS, not jammed (Padula) 1500-1641* (Hauser); talk & mx in unid lang. g (Cress)
 29705 ISREAL Kol Isreal; 1400, 1430 RS tk & mx. not a harmonic. //25640 and others all jammed. (Zilmer, Hauser)
 30328 COLOMBIA R. Super, Bogata; ID 1333 (5 X 6065.6) (Hauser)
 30475 COLOMBIA La voz del Centro; hrd in OK at 1351, past 1700, nice on peaks. 5 X 6095. varies a khz or so. (Hauser)

Quite alot to do this month with 5 pages, and I would like to give my great thanks to Jeff O'Donnell, Ed Berzonsky, and Doug Wicks for their assistance in preparing LR-D and E this month.

Hope you get lots of fantastic DX in the month ahead!!! 73's.....

Paul

ANTENNAS/ACCESSORIES

EDITOR: Mike Agner c/o Delphi Associates 144 Merrimack St. 1st Floor Lowell
Ma 01853

Last time we took a look at a helical design that was built and tested by
I Insinger of North Plainfield NJ. Ye scribe has built this antenna, and
after almost a year in 2 different locations, have found the following:

) I tried using the antenna without the aluminum duct tape and found perfor-
mance to be greatly reduced. I was fortunate enough to find a local sup-
plier of the tape, costing me about \$5 for a large roll. Hardware stores
and plumbing supply centers may be your best sources of this tape.

) Don't be afraid to add more wire than is originally specified; also using
insulated wire doesn't affect the antenna's performance. The more wire you
put on the tube, the better. Right now, the antenna I have has about
100 foot of insulated wire wrapped around a 6 foot cardboard tube. The anten-
na works well throughout the SW spectrum, with poorest performance on the
9 metre band. This is actually quite beneficial due to the fact that the
RG7 tends to overload on this band occasionally; reduced gain from the anten-
na helps minimize the problem.

AND METALLIC OBJECTS
) Hang it as high and as far from electric wiring as is possible. I dis-
covered this only by accident. I had been experimenting with this design
and the 120 metre dipole design that Stu Klein wrote about in a flyer not
long ago in my living room. The room is adjacent to the kitchen and is sur-
rounded by metal-bound furniture. Needless to say, the antenna(s) didn't
perform all that well under these conditions. The reason is simple; all
these designs are based on the idea of creating 1 big broadbanded coil. The
proximity of nearby conductive surfaces tends to distort the electromagnetic
field that coils (and other antennas!) form. So the message is clear- fuss
around with the orientation and placement of the coil until you find a set-
up that works for you. The optimum placement is broadside E-W, but other
orientations may also work.

) Next, watch where you attach the coax to the wire. Some people say that
the feedline should go at 1/3 the length of the wire on the antenna. So,
assuming this is the case, if you have 90 foot of wire to put on the tube,
the coax should be attached at about the 30 foot mark. There are others
who say, using very similar designs, to attach the coax at the end of the
antenna wire- witness the article by NASWAer Ralph Perry called "DX with
Boinger" in the May/June 1976 article in Elementary Electronics. My sug-
gestion is to experiment- create some bare spots on the antenna at points
around where you think it will work, then connect the coax using a clip lead
to these points until you hit one that seems to work. And remember- don't
use any more coax than is necessary.

Lastly, some people may find that the antenna will not resonate on a given
band no matter what they do. It might help, especially if your problem lies
in the higher bands, to connect the braid of the antenna to the ground of
the receiver. I'm not sure why this works, but it does. If you find this
necessary, a simple knife switch arrangement will do the job nicely.

This is not intended to be a smooth review, just something to stimu-
late a little experimentation among the membership. Results of tests are
solicited.

NEXT: we talk turkey on some antenna basics. Until next time, 73s

Happy Holidays
to all!

Mike

PUBLISHER'S PAGE



FOR SALE: Drake R-4C in near mint condition including blunker, 4 kHz AM filter, 15 crystals, and accessory speaker. Excellent DX machine. \$450, you pay shipping. Jay Golden, 2043 W. Farwell, Chicago, IL 60645. Phone (312) 973-3465 evenings. No collect calls, please.

NOTICE: I would like to contact NASWA DXers in the metropolitan New York area of Long Island, Northern New Jersey, Southern Westchester and New York City. will be listening for you on the 11 meter CB frequency of channel 16 upper sideband at 11:30 PM EST weeknights or you can drop me a line arranging another QSO time. Best of DX and 73's to you. Errol Urbelis, 563 Meadow Road, Kings Park, NY 11754.

FOR SALE: Sony CRF-320 Horizon Master 32 band receiver with AM/FM/LW/SW (1.6-30 MHz), Sony TCM 121 cassette-corder, Mosley SWL-7 trap dipole and 50' dipole Ameco PLF-2 pre-amp, Yaesu world clock, Kenwood HS-4 headphones. Price \$1600. Ed Casco, 278 Fair Oaks Street, San Francisco, CA 94110. Phone (415) 285-4532 evenings PST.

NOTICE: I would like to hear from anyone who has owned or owns a Sony CRF-5100 multi-band radio and a Sony ICF-7600 pocket AM/FM/SW receiver for evaluations. Robert Fraser, P.O. Box 501, Cohasset, MA 02025.

FOR SALE: BCR-101 shortwave receiver in mint condition still under warranty. Cost \$300, I will sell for \$200. Also a Bearcat 210 scanning radio for \$150. Excellent condition. Both for \$325. I will pay shipping charges via UPS. Solomon Wilson, 8048 Rodney Street, Philadelphia, PA 19150. Phone (215) CA4-5382 after 6 PM EST. No collect calls, please.

FOR SALE: New receivers used briefly for receiver tests done for 1980 WRTH that are available include: Sony ICF-6800W (worldwide multivoltage version), not sold in US but single-voltage version in Canada is CAN\$1,00. Price US\$625. Sony ICF-6700W, list US\$439.95. Price US\$295.00. ICF-6800W is PLL-tuned, handles ECSS tuning well, and is quite good for Tropical Band DXing, plus is quasi-portable. Also available: Yaesu SP-120 speaker (for FRG-7, FRG-7000, etc.), list \$25.00. Price US\$18.50. Drake MS-7 speaker (for Drake R-7, DR-7), list price \$36. Price US\$27. Call: Larry Magne, (215) 663-1179, not collect, or write to 15 North Central Avenue, Rockledge, PA 19111, USA.

FOR SALE: One MS-4 Drake speaker for \$10.00 and one PCL-F Ameco Nuvistor Cascode preamplifier with variable tuning 1.8 thru 54 MHz for \$15.00. Both items in excellent condition and I will prepay shipping. Emmett J. Hoffmann, 1162 Watts, St. Louis, MO 63130 or call (314) 725-8061 (not collect).

FOR SALE: HP Rack Mount VTVM and manual, Model 410BR. 0-300VAC in 6 ranges; 0-1000VDC in 7 ranges; 0-500 M'ohms in 7 ranges. Bought from fair for \$108, will sell for \$50 and I'll pay shipping. Steve Wallace, 26 Foal Court, Lancaster, PA 17602. Phone (717) 397-1137 nights.

FOR SALE: Panasonic RF-2800 with digital readout on SW bands, 3.2-30 MHz, dial readout on AM and FM. Used one year, still under warranty. Price \$200, I will pay UPS shipping. Jack Lattemann, 314 NE 56th Street, Seattle, WA 98105. Phone (206) 522-1017 from 0200-0600 GMT, not collect.

FOR SALE: Realistic DX-300 communications receiver in excellent condition, modified in Fort Worth, TX. There is no MHz problem with this unit. Price \$350 includes shipping by UPS. Rob Harrington, 3181 South York Street, Englewood, CO 80110. Phone (303) 781-1185 from 0200 to 0400 GMT.

MERRY CHRISTMAS AND A HAPPY AND PROSPEROUS NEW YEAR

Bill

DAVE VALKO
Box 155
Dunlo, PA
15930

Deadline for the "New Years" issue is the 8th of December.

FRENDX CREDITS

69 reporters this month. Why the early deadline, you might ask, well since I've started school again I must change the deadline. But try to get your reports to me before the 8th. Don't try to cut it short by sending them a day or two before. Give the Post Office plenty of time.

Editor Mike AGNER, Burlington, MA (R-4B, FRG-7, RF-2200)...Brian ALEXANDER, Mechanicsburg, PA (RF-4900, SX-190)...Donald BAKER, Millsboro, DE (RF-4900)...Raymond BAUERNHUBER, Rosedale, NY...Robert BEREZOWSKI, Calagary, Alta (DX-160)...Jean-Jacques BLOCH, Gaithersburg, MD (RF-2900)...Paul BROUILLETTE, Sault Sainte Marie, MI (DX-160)...Paul BUER, Miami, FL (SPR-4, FS-4)...Leslie BYRON, Laurelton, NY (Patrolman 9)...Michael CALDERWOOD, Denver, CO (FRG-7)...Brian CARTWRIGHT, Johnstown, PA (R-390)...Richard C. CINERT, North Judson, IN (FRG-7000)...James CLIFFORD, Lawton, OK (FRG-7)...Richard COBB, Salem, OR (RF-2800)...Hadley GRESS, Harrisonburg, VA (HRO*500, R-4C)-Glad to hear from you Hadley!...Vladimir CUCURA, Reading, PA (FRG-7, RF-2800, DX-160)...Larry CUNNINGHAM, Columbus, OH (DX-300)...Larry DANKO, Livingston, NJ (BCR-101)...William DAVENPORT, Nashville, TN (DX-160)...Rev. M. DIECKMANN, Saint Louis, MO (DX-160)...Paul DIERKS, Port Huron, MI (RF-4800)...Kenneth EARHART, Allentown, PA (FRG-7, NDR-505)...Marlin A. FIELD, Hillsdale, MI (SPR-4)...John FISHER, Chelmsford, MA...Robert FRASER, Cohasset, MA (XCR-30)...Daniel GALLAGHER, Lubbock, TX (DX-160, JVC-9437)...Charles GEORGE, Dallas, TX (SSR-1)...Editor Glenn HAUSER, Knoxville, TN (ICF-5900W, FRG-7, HQ-160)...Sholam GLIKSMAN, Chicago, IL (RF-2800)...Ivan GRISHIN, Toronto, Ont (FRG-7, XCR-30)...Baxter W. HENSLEY, El Paso, TX (FRG-7, SX-190)...Ruth HESCH, White Plains, NY (JVC FR-6600JW)...Emmett J. HOFFMANN, St. Louis, MO (51S-1, R-1530)...Darryl HOLLAND, Riverdale, NY (FRG-7)...Douglas JOHNSON, Issaquah, WA (R-388's, SP-600)...Dennis KELLY, Kansas City, MO (DX-160)...Stu KLEIN, Gainesville, FL (DX-160)...Paul KOWALSKI, Milwaukee, WI (SX-190, RF-2900)...Future editor Terry KRUEGER, Casselberry, FL (QR-666, NC-183)...Eric MAYER, Ashland, OH (?)...Scot MCCLELLAN, Battle Creek, MI (TFM-8000W)...Kevin MEYER, Lima, Peru (DX-160, M2530K, DX-300)...Richard MILLER Jr., Weirton, WV (RF-4800)...Paul MOELLER, Hamilton, Ont (DX-300)...M. MONACC, Bronx, NY (?)...Don MOORE, Bellefonte (Zion), PA (XCR-30)...Tom OVERCAMP, Seneca, SC (FRG-7000)...Bob OTTAWAY, Denver, CO (FRG-7000) Did you report Bob? (I can't remember!)...Fred OSTERMAN, Pataskala, OH (?)...Bob PADULA, Surrey Hills, Vic Australia (Marconi CR-100)...Gregory PASCOE, Philadelphia, PA (?)...Ben RADCLIFF, Ottawa, IL (SB-310)...Bob RANKIN, Lawrence, KS (FRG-7000)...Andy REID, Peterborough, Ont (?)...Harold SELLERS, Scarborough, ONT (RF-2800)...Ed SERESHON, Antioch, IL (DX-160)...Steve SHAFFER, Hammond, IN (FRG-7)...Beverly ELOMKA, Brooklyn, NY (BCR-101) Leon TANNENWALD, Brooklyn, NY (SPR-4)...James TEDFORD, White Cloud, MI (RF-2900, DX-160)...Glenn THOMPSON, Dening, NM (FRG-7) Hows the weather down there Glenn?...Jim UERLINGS, Klamath, Falls, OR (SPR-4)...Editor Dave VALKO (me), Dunlo, PA (DX-160)...Roger VAN PATTEN, St. Louis, MO (RF-2800)...David WALCUTT, Houston, TX (R-4B, HQ-180AX)...John WILLIAMS, Bloomington, MN (R-4C, R-4B, SP-600JX) Do you like the Drake line, John????? Frank WOLTMAN, Cambridge, WI (RF-4800, FRG-7)...Robert YAJKC, Leechburg, PA (SPR-4, RF-2800) Hope to meet you around Thanksgiving, Bob. and last but not least, Robert ZILMER, Milwaukee, WI (R-390A, SPR-4). Nice picture Bob! You also do a good job in reporting so often.

Well thats the extent of the reporters for this Christmas issue. Hope you all have been getting that DX you've been trying for.

To tell you a little about myself: I am (or will be) 18 years of age by the time you read this. I am presently enrolled in classes at Electronic Institutes in Pittsburgh, Penn. I do a little QSLing, and have 109 Countries verified since 1976.

Since this is the last month of the 70's, I'd like to say, much luck in catching that exotic catch and 73's in the years to come (80's)!!

Dave Dave

NASWA "UNITY AND FRIENDSHIP" ★

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

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