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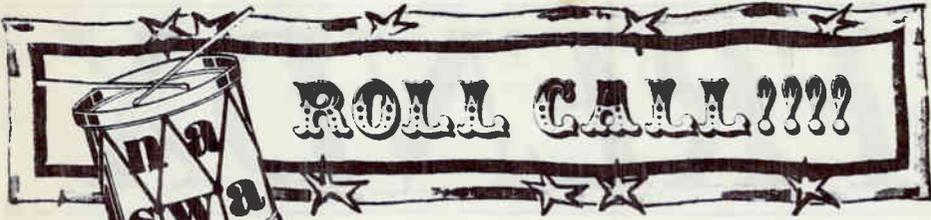


JOINING THE RADIO INTERNATIONAL GUILD

Costs only 50c and includes lapel pin, certificate and "Radio Design" Construction Quarterly Magazine, the Guild's Official Organ. Enclose 50c coin or stamps to Radio International Guild, 103 Broadway, Brooklyn, N. Y.



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Welcome to 71 new and returning NASWA members who have joined the ranks since our last listing in the March FRENDX:

- ALIFF, Mark, Lucasville, OH
- ARATO, John S., Montreal, P.Q.
- BARDEN, Anthony, Woburn, MA
- BECK, Clifford H., Northbrook, IL
- BICKERS, Carl G., Marietta, GA
- BLAKE, Molly, Montreal, P.Q.
- BOECKER, Michael, Hagen, West Germany
- BRADFORD, Bill, Pittsburgh, PA
- BRADY, Michael, Bellevue, WA 98004
- BRENESAL, Barry, Gainesville, GA
- BRIGGS, David, Arlington, TX
- BUCH, Joseph M., Las Cruces, NM
- BUPLEW, Douglas B., Lewistown, PA **
- CALABRESE, Alex, Buena, NJ
- CALDERAZZO, Mark A., Orlando, FL
- CLOONAN, Tom, Anchorage, AK
- CONES, Dr. Harold, Newport News, VA
- DADY, Thomas, Minneapolis, MN
- DEINET, A.J., East Brunswick, NJ
- JESROSIERS, Robert W., Fall River, MA**
- DURHAM, George, Palmer, MA
- EMAHISER, Mary Lou, Toledo, OH
- GENDER, Fred, Ringos, NJ
- GOERING, Larry R., Chanute, KS
- GRIGGS, Kendrick L., Palos Verdes Estates, CA
- GROSS, Charles P., Alva, OK
- HALPERIN, Hilary, Bronx, NY
- HARTUNG, James C., Aberdeen, MD **
- HUMPHREY, Andrew, Charlottetown, P.E.I.
- IGNATIUS, Joseph D., Lakewood, OH
- IGNATIUS, Mark J., Lakewood, OH
- JOHANSSON, Sven, Göteborg, Sweden
- JONES, Brian L., Houston, TX
- JONES, Terry L., Toronto, OH
- KERN, Alan, Tiffin, IA
- KONEN, Mark, Milwaukee, WI
- KREMER, Joseph W., Columbia, SC
- KRULL, Arthur, Edgewater, NJ
- KURTZ, Des Moines, IA
- LAFRANCE, Francois, St-Lambert, P.Q.
- LAVOIE, Real, Iroquois Falls "A", Ont.
- LEMAIRE, Thomas, Rutherford, NJ
- LEWEK, Albert P., Lombard, IL
- LINDSAY, Bruce E., Rochester, NH
- LIPMAN, Edward J., New York, NY
- LOVINSKI, F.P., Pittsford, NY
- MCCOY, Mike, Santa Ana, CA
- McDANIEL, Spencer A., Rolling Prairie, IN
- McFARLAND, Dennis J., Oak Lawn, IL
- MAY, Edward, Lakewood, OH
- MORRIS, Ronald F., Lakewood, CA
- MORSE, Jonathan, New York, NY
- NIEKAMP, Raymond A., Minneapolis, MN
- NUETZEL, Jim, Pensacola, FL
- PIMBLETT, Nigel, Medicine Hat, Alta.
- POEDTKE, Ronald, Chicago, IL
- PRATT, Mortimer W., Prouts Neck, ME
- PROSISE, Michael L., Greenbelt, MD
- REHM, Rudolph J., La Jolla, CA
- SCHACHAT, Ken, Portsmouth, NH
- SHEEDY, D., Encinitas, CA **
- SMITH, William, J., Sloatsburg, NY
- STUDER, Duane, Toledo, OH
- SYLVESTER, Michael J., Daytona Beach, FL
- THOMPSON, Donald C., Eagle River, AK
- TIMBRELL, Charles B., Somers, CT
- TURNER, Richard, Decatur, GA
- WHITE, Douglas D., Los Angeles, CA
- WOLOCH, G. Michael, Outremont, P.Q.
- WOROB, Philip, Austin, TX

** Welcome back to NASWA after a brief absence

The next listing will appear in the July, 1983 issue of FRENDX.

THE COVER

This month's cover, like April's, is a bit of nostalgia. Our present one is from the collection of Bill Taylor, Vintage Vignettes editor, and last month's came from John Herkimer, our SWC editor. Since the "Pilot Super-Wasp" ad featured this month came from the April, 1930 issue of Radio Craft, it will probably do little good to send in the coupon at the bottom.

HELP FOR BEGINNERS

NASWA has received a very nice offer from John W. Creamer, a long-time NASWA member who has been in radio since 1920. If you're new to the hobby and have questions on antennas, receivers, etc., John would like to help you. This is a great opportunity to tap into some vast experience. Send your questions to John W. Creamer, 670 South Canosa Ct., Denver, CO 80219 and please don't forget the SASE.

WHITE'S RADIO LOG

The publication rights to "White's Radio Log" have been acquired by Don Gabree of Worldwide Publications Inc. and he is currently in the process of compiling an up-dated Log on a digest-size format. This 1983 "White's Radio Log" will have an expanded Worldwide Shortwave section and will incorporate much additional useful information on U.S. and Canadian AM, FM, and TV stations by frequency, location and call letters. Copies will be sold primarily by mail-order for \$3.95 plus \$1.00 for postage and handling. The new Log should be ready by June, 1983 and advance copies may be ordered from Worldwide Publications, Inc., P.O. Box 5206, North Branch, NJ 08876.

AUSTIN AREA RADIO LISTENERS

If you live in the Austin, TX area, you may be interested in the Austin Area Radio Listeners, an organization which meets at the Central Branch of the Austin Public Library. For more information contact Bob Shrader at (512) 926-9516 or Hans Johnson at (512) 471-2312.

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Three circa-1940 books on writing radio programming, \$9.00. "Shortwave Voices of the World" by Richard Wood, \$3.50 and \$5.00, all postpaid. R-388 service manual, \$7.00, and many Hallicrafter, RME, and National manuals. Hugh Miller, 11206-1 NE, Seattle, WA 98125.

FOR SALE: LaFayette BCR-101 receiver in mint condition with manuals. Three years old. Price \$85.00 p.p. Solomon Wilson, 8048 Rodney Street, Philadelphia, PA 19150. Phone (215) 224-5382 after 6:00 pm.

FOR SALE: Yaesu FRG-7700 with Collins 2.9 and 1.9 mechanical filters and 4 kHz ceramics. Mint condition, \$550.00. Kenwood R-1000 in excellent condition, \$325.00. Yaesu FT-101ZD ham transceiver, 10 and 11 meter crystals, AM board. Mint condition, \$550.00. Keith Thibodeux, 9525 Woodbine Drive, Baton Rouge, LA 70815. Phone (504) 928-5759.

FOR SALE: Drake R-4B with FS-4 synthesizer (sold together only). Both in perfect condition with manuals. True passband tuning, with 4.8, 2.4, 1.2 and 0.4 kHz filters. FS-4 gives full 1.0 to 30.0 MHz coverage. Price \$450.00. Kirk Baxter, P.O. Box 2571, Shawnee Mission, KS 66201. Phone (913) 262-3247 from 0000 to 0500 GMT any evening.

FOR SALE: Panasonic RF-085 with AC adaptor, \$47.50. Sony ICF 2001, \$125.00. You pay shipping and insurance on both. Money order or cashiers check. Scott Davenport, M.D., 403 Woodlan Hills, Tuscaloosa, AL 35405. Phone (205) 553-4715 from 0000 to 0330 GMT only.

FOR SALE: Hallicrafters SX-88 receiver with original manual, R-42 reflex speaker, and many extra tubes. Price can be discussed. Prefer pickup, but can deal if you pay shipping. Steve Gunn, 407 West Blair Street, West Chicago, IL. Phone (312) 231-8232.

FOR SALE: Hammarlund HQ-110 (ham band model), \$50.00 plus shipping. I would also like to hear from Tucson area OXers. George G. Paramithas, 7542 North Placita de Teresa, Tucson, AZ 85741.

WANTED: Rider to ANARC Convention from Michigan or NW Ohio area to help with driving and share gas expenses. I have economical Ford Escort with air conditioning. OC is hot in July. Oon Hosmer, 24500 Union, Dearborn, MI 48124. Phone (313) 278-5527 2200-0300 weekdays or any reasonable hour on weekends. PS. I'd like to hear from local NASWA members even if they're not ANARC bound.

FOR SALE: Drake SPR-4 in mint condition throughout. Recently calibrated, aligned, and tested to meet original specs by Drake Service Dept. Offer includes 24 crystals with all tropicals, SCC-4 Calibrator, Manual, Service Records, and original packing. Rig is cosmetically perfect, no scratches. Price \$375.00, not firm. Will ship anywhere in U.S. and will also consider trade, or trade plus cash in the NY area. Herb Shatz, 99-15 66 Avenue, 3A, Forest Hills, NY 11374. Phone (212) 275-9215 till 0400.

FOR SALE: Panasonic RF-3100 with radioteletype demodulator built in. Price \$215.00, you pay shipping. David Ernst, 1415 Fillmore, Sterling, CO 80751. Phone (303) 522-8493.

FOR SALE: MFJ-1020 Active Antenna with AC adaptor, \$55.00. Royce 40-channel SSB mobile CB Model 639 in working order, but may need minor repair for SWR problem, \$100.00. Radio Shack 12V, 2.5 amp regulated power supply. Like new, \$20.00. All in original cartons with manuals. Prices include UPS and insurance in continental U.S. Gene Nix, 428 Prairieview Drive, #A, Gillette, WY 82716. Phone (307) 682-2623.

WANTED: Manual and schematic for Hallicrafters SX-110 receiver. Will copy and return with postage costs or will pay for copying and postage. Denis Orlando, 68 Koenig Lane, Freehold, NJ 07728. Phone (201) 462-9089.

FOR SALE: SW-4A, HQ-140X, HQ-180C, HRO-500, and R-388. Best reasonable offers by May 20. All work well. George Sherman, Box 2284, Minneapolis, MN 55402.

FOR SALE: ICOM R-70. Used only a few hours. Price \$510.00 including UPS. Larry Mindel. Route 3, Waunakee, WI 53597. Phone (608) 849-7207.

WANTED: I'm looking for shortwave radio software for TI-99/4A. Would like to hear from anyone who used the TI-99/4A in SW/MW hobby. Rob Sobkoviak, 2219 North Meadowbrook, Plainfield, IL 60544.

FOR SALE: National high frequency receiver, type HRO-MX, with a full set of plug-in coils for 900-2050 kHz, 1.7-4.0 MHz, 3.5-7.3 MHz, 7.0-14.4 MHz, and 14.0-30.0 MHz. Receiver is in excellent condition and perfect working order. Price \$125.00 plus shipping. ALSO Non-Linear Systems, Inc. MS-15 Miniscope with built-in battery pack and AC operation. Includes probe and AC power cord plus manual. Never used. Original price was \$325.00, but will sell for \$200.00 including shipping. Frank J. Petrick, Box 101 Twist Run Road, RO 43, Endicott, NY 13760. Phone: (607) 785-0264.



Shortwave Center

May 1983

Editor: John C. Herkimer, 3233 East Avenue, Caledonia, NY 14423

For those who wondered, that was the real Charlie L. last month. Since his much-heralded exodus to Tibet some years ago, 'ol CL has remained silent...until now! Thanks to Charlie's intermediary (who shall remain nameless), CL will be with us again, here in SWC, on a semi-regular basis, to enlighten (and humble) us. Need I say more? Great to have you back!

The Mystique of the QSL by Al Sizer



Last month nine DXers, whose reputation for outstanding QSL collections is well known in the hobby, began to outline their views on why they seek verifications, how they handle them, how they use them and what future they may have. We continue with their opinions in detail....

JERRY BERG: "I have never counted the exact number of QSLs in my collection but it is in the neighborhood of 750. To me they are an essential part of the hobby because they provide something tangible for my DXing efforts. Whether they are "full data" or something much less, they constitute a permanent record of my hobby activities.

Unlike a sterile entry in a logbook, a QSL represents a 'live' contact between station and listener, a brief exchange between two cultures and a recognition that listener and station each appreciated the other enough to take part in the contact. That is basically how I view my QSL collection as a vehicle for looking back on the countless hours of seeking out new stations and for remembering briefly the excitement of hearing this or that new one.

From time to time I will leaf through an old QSL album and recall with satisfaction a particular logging or a particular period during my hobby involvement.

QSLs are a useful reminder that DXing is not static, that the stations and even the countries available to be heard are changing all the time. No one can look back on QSLs from Angola, Goa, Katanga or Panama without both satisfaction at having been around to hear them and a little regret at not having gotten into the hobby even earlier.

A relatively small gap between stations reported and QSLed also evidences one's own commitment to sending concrete and verifiable reports, a happy reminder that you must be doing something right.

When I entered the hobby 25 years ago I treated QSLs as something to be displayed, put on the wall, "shown off" etc. but now I view them the way most people think of 'collections', as mementoes to be preserved. While I never shrink from the opportunity to show them off to others, such opportunities are relatively few, and in any event I do not believe in trying to impress others with things which could be, at best, of only marginal interest to them. The meaning of a QSL is not transferable to someone else. You have to have gotten it yourself to appreciate its significance.

These days I am concentrating on QSLing Latin American stations, a specialized area I neglected for a long time due to the lack of time and the lure of numerous other, more easily verifiable stations.

After verifying most available countries, however, you take any target of opportunity that comes along. Whether it's a relatively easy to hear station like WRNO or a new high-powered relay site, or a low-powered Peruvian or seldom heard Indonesian, or even a pirate, you just keep listening, writing and hoping, simply because that's what makes the hobby fun for you."

DR. RICHARD E. WOOD: On my QSLs I have to admit they are reclining in a cellar in St. Louis; I didn't bring them here because of the weight limit I faced. I had a heap of books piled up, ready to bring, and they included a few of my relatively lightweight QSL albums, but in the end I purchased an R7 to bring here since I understood (correctly) that communications receivers are not sold in the Kingdom. I also wanted to take my R-1000 and my favorite multilingual (but not Arabic) typewriter. So, many of the books including the QSL albums had to stay behind.

I keep all my QSLs in card and letter albums and generally throw them into boxes and drive to the different DX conventions each summer. I know many DXers who attend the conventions but leave all or most of their QSLs behind. If they are flying, that is understandable, but if driving, there seems little excuse. In fact, I often write DX convention organizers ahead of time and suggest that they urge conventioners to bring their QSL albums. I hope to pick up my car and the albums in St. Louis this June and drive to the ANARC, IRCA, NRC and perhaps other meetings.

As a teacher of language and cultures, I use the QSLs in my class, where appropriate, and show them to my students informally. When I travel in different countries I may take along the veries from there, as a personal introduction; you can show them at the gate of the Third World stations which are often guarded by soldiers, police or private guards.

I am proud of QSLs and I use my collection to illustrate the point of view that neither tape recording nor any other substitute can replace them; in some medium wave circles, in particular, some people boast of their 'taped veries' and actually compile statistics of such tapes. They are tapes, all right, but they are not veries; a verification is issued by the station to the DXer, not by the DXer to himself. A look through albums should convince people of this distinction.

I have subsequently met a number of the signers of my most exotic QSL cards and letters; for example, while I was doing field research for my Ph. D. dissertation on Bonaire, N.A., I found that the signer of my QSL letter from Radio Espinharas de Patos (the name means 'Dick' by the way; it is a coastal town in southern Brazil) was now working on the Portuguese-language staff of TWR there. He instantly remembered my name and location--he didn't just recognize it when I told him, he spontaneously told me that I was Richard E. Wood and that at the time of the report I was living in Newcastle upon Tyne (where I started DXing). He then drove me all over the island on the back of his motor scooter so that I was able to complete my fieldwork promptly.

Could any of that have happened if I had just made a tape recording of the station, by myself and for myself, when I heard it?"

GERRY DEXTER: "How often do you get out the family photograph album and look through it? Not very frequently, I suspect. But there's no way you'd trade them and you're glad they exist. I think it's the same with QSLs. The albums are there but, no, you don't pore over them very often. It's fun when a fellow DXer visits and you get your annual or semi-annual view that way.

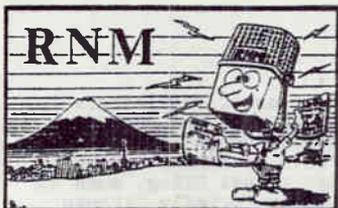
Dispose of them? I have a good idea of what I, personally, will set up but since it isn't set yet I won't comment on it further.

I recently passed the mark of 1200 individual SWBC stations QSLed. They are in about 16 binders of 2-inch depth, divided by areas and countries."

(To be concluded next month)

TWO PROJECTS THAT NEED YOUR HELP.... A note from Paul A. Gilster recently asks for help in doing preliminary research for a book on shortwave broadcasting during the '30s and into the war years. Any NASWA members who were involved in shortwave listening during that period are encouraged to contact Paul at 5008 Yarkin Drive, Raleigh, NC 27609. Paul adds that reminiscences and recollections, no matter how blurred by the passage of time, would be useful.

Andy Robins, former LR editor and currently at WHFB in Benton Harbor, Michigan, is interested in writing an article for SWC loosely titled, "The Wretched State of Private Shortwave Broadcasting in the United States". Andy asks, "WRNO, WYFR, WINB, KGEI and KYOI are all falling short of expectations. Why? Can this be changed? Or are our expectations too high?" To do this will require listeners who can visit these stations and ask the right questions, in the spirit of "investigative journalism". Volunteers and interested listeners can reach Andy at 2850 Cleveland, Apt. 318, St. Joseph, MI 49085.



by John Nerkiner

For those who enjoy the lure of Latin American DX, the name "Radio Nuevo Mundo" can mean two things; it's either one of several stations in Latin America or the name of a group of enthusiastic and hard-working Japanese DXers, dedicated to the pursuit of Latin American DX.

Tetsuya Hirahara, co-founder and editor of RNM explains their origin, "RNM was founded in 1978, aimed mainly at exchanging tips and information on LA stations by LA enthusiasts. Our name 'Radio Nuevo Mundo' is derived from a well known German DX magazine called 'Radio Mundial'".

RADIO NUEVO MUNDO TOKIO JAPON

Why Latin America? Well, Tetsuya cites three reasons: First, there are a large number of stations in LA, many of which are extremely rare and seldom reported. Second, the best time to listen to LA stations in Japan is a very enviable 1600-2100 JST (or 0700-1200 GMT). Tetsuya notes that "we do not need to get up early or keep late hours to catch LA signals". And lastly, the music is appealing "with its thousands of rhythms".

Currently, RNM has 20 members, all in Japan. Unfortunately, foreign memberships are not accepted at this time, however copies of their bulletin can be obtained by contributing useful tips on LA stations. RNM boasts several well-known correspondents, including Australia's Geoff Cosier, Tony Jones of Paraguay, and DX maven Ralphus Perry, who edits his own "DXismo" column each month in the RNM bulletin.

To compensate for the lack of foreign memberships, RNM has produced two highly informative publications simply titled "LA DXing". One look at these two booklets and you'll readily agree that RNM takes its craft seriously. Both volumes are sold out, but we might expect a revised third edition sometime in the future.

Tetsuya summarizes RNM's philosophy, "RNM is wide open to those who are willing to contribute to their club. It is true, however, that there are many DXers who are reluctant to do so, and dare not join RNM even if they have an interest in DXing LA stations".

You can reach Radio Nuevo Mundo at this address: **Tetsuya Hirahara,**
5-6-6 Nukui-kita, Koganei-shi, Tokyo 184, Japan.

The Home Computer As A Tool For The DXER

by Bill Krause
6700 153rd Lane NW
Anoka, Minnesota 55309

My DX receiver cost \$1500. My home computer cost \$150. I begin with these figures as a means of dramatizing the relationship between the two. These figures do not include accessories for either and, of course, may not be typical of all situations. They do, however, illustrate a relationship where the cost of home computers is rapidly, along with many other high-tech items, falling through the floor while the cost of quality DX receivers seems relatively stable. This has led many DXers, and millions of other Americans, to invest in a home computer. In our Minnesota DX Club nearly half the active membership has or shortly will have a home computer; in all cases, one costing less than their primary receiver. Indications are that in one of the leading DX organizations in the country, considerably more than half the membership has access to a computer of some sort. Yet, nowhere in our hobby publications do I see mention of the many and varied applications of the home computer to DXing or radio listening.

Only MEDIA NETWORK on Radio Nederland calls out like a prophet in the darkness with their occasional program on the subject. Why this darkness?

ope that it is because, for some rather mystical reason, the leadership of our hobby has not yet seen the light of the 20th century and shaken its ties with Time's Man of the Year. Though I am uniquely unqualified to be either a prophet or pioneer, I have, for the past several months devoted my time to the computer applications to DXing than actual DXing, much to the great relief of many in the DX community. I will now briefly discuss some of those applications that I've worked on these past months. I hope that they will provide a spark that will light the fire of others more brightly than I to pursue and go beyond what I have tried to do. I heartily welcome communications from all who this article might interest. I welcome the sharing of ideas, information and programs.

To begin with, I am primarily a tropical band DXer and thus you are more likely to see my name in LR-C. So, the first application that I have developed to me was the use of the computer to figure daylight/darkness concerns so important to tropical band DXing. There are, of course, numerous devices commercially available to aid the DXer with this. It occurred to me though, that something more precise, offering both visual presentation and hard copy, would be a suitable task for the computer. So, Nederland, in their Computer Information Release, offers a program designed to work with many different brands of computers, in which you enter the date, latitude and longitude of a site, and the computer presents with sunrise-sunset times in GMT. I find this quite useful, but I'm interested in taking it just a bit further to enable the input of both a transmitting site and receiving site with output showing the period of overlap in darkness for both sites, possibly by means of a bar graph. The original author of the program is the famous Unofficial Radio authority in England, John Campbell. My good friend, Neville Denetto, of Thunder has made great strides in this and he and I continue to work further on it.

A second area I have pursued is the storage, organization and retrieval of DX information. I have developed a program which enables me to view or print a copy of all the available current information about those countries I am particularly interested in. I may retrieve this information by selecting a particular country from a menu of the countries of particular interest to me. I may also retrieve the information for those countries by entering a particular month or a time into the computer, then receiving information for that particular month or time. In the very near future I expect that, by entering the current time into the computer at the beginning of a DX session, the computer will then provide me with updated information for the continually changing time.

Like many DXers, I find the writing of foreign language reception reports a very laborious process. Those who have had the misfortune to try to read my handwriting are amazed that I receive any replies at all! With my trusty word processor, I plan to store, in files, the components of my various foreign language reception reports. I will then recall, and blend as desired, these various files to produce a cohesive report in whatever language I choose. I will be able to do so considerably faster, and more reliably, than would otherwise be possible. In addition, I'll be able to produce multiple copies of the reports for a small fraction of the cost of photocopying.

RTTY is a dirty word to some DXers, but we must recognize that it really is one of the seven deadly sins. CW and RTTY converters, which plug into various home computers, are now available for around \$200, which is only half to a third of what comparable stand-alone units sell for. I don't have a Dutch unit with which I am not yet entirely satisfied, but a similar unit is available from Kantronics which may prove easier to set up. In any case, performance appears comparable to the considerably more expensive stand-alone units.

The common calculator can be used quite easily to convert frequency to wavelength or vice versa. However, a computer which is employed for other tasks can also do this and provide both visual and written record. Additionally, it can produce a chart for a whole band more quickly than you can snap your fingers. We live in an age where the giants of business are making effective use of electronic mail. I have reason to believe that in the not-too-distant future, DX information may be transmitted directly to DXers using their computers and modems.

I would think that some clever person could devise a program, perhaps using the K index, and/or other indices, to predict propagation. I cannot but feel that there must be a great many more applications for the computer in DXing, just awaiting discovery and implementation by someone a bit more clever and creative than me.

I call upon NASWA, through FRENDX, and other DX organizations through their publications, to provide a forum for the dissemination of information on computer applications in DXing, on a regular basis. I hope that these words of mine, which you have just read, will be a spark to light a lamp of knowledge in a new aspect of our hobby, that will be of increasing value and usefulness in years to come.

On To The Top

by DON JENSEN

Part Six: HOW CAN I QSL THOSE RARE DX STATIONS?

The major stations you've already verified often seek listener's reports knowing something of the DXers' special language and going out of their way to please. Rare DX stations, by their very nature, don't get many reports. They usually aren't trying to reach North American audiences. Their staffs often don't know what a QSL is, much less why a listener is so interested in receiving a confirming letter or card. These stations, in short, are much harder to verify.

It is assumed you know the basic report writing technique. You include the necessary bits: the frequency, the time, date, program and reception details and the request for a verification. When dealing with the rarer stations, it is more important to write in the language of the station unless you have reason to believe that someone at the station knows English. If you include mint stamps or IRCs with your reports only on rare occasions, plan to do so regularly when writing the lesser-heard stations.

It is important to get your report into the hands of someone who is known to reply, so keep track of verie signers, the name of persons who sign other DXers' reports.

Often your first report won't bring a response. Use periodic follow-ups, or new reports to non-repliers. It can take a year, five years, ten years to get a verification from some rare stations. Persistence is necessary.

But beyond this, what? The serious, experienced DXer who is interested in QSLs develops additional reporting techniques, tricks or ploys, if you will, to get verifications from the rare, really hard-to-QSL stations. Not infrequently, DXers guard these secret methods jealously. These little extra techniques are, to a degree, perishable commodities. Their usefulness may decrease with usage, so, understandably, veteran DXers tend to keep quiet about their best ploys. Eventually, you, too, will develop your own series of reporting tricks that work for you.

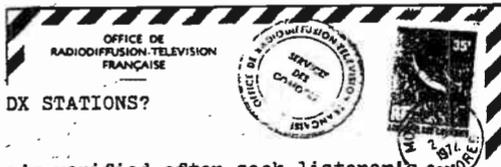
In essence, though, what most of them amount to is an attempt to bring special attention to your report, strike a note that will interest the recipient, and move him to action he might otherwise not take, that is, reply to your letter.

Anyone familiar with the field of advertising will recognize in this the basic rules of promoting a product. It may come as a shocker to hear, but many of the same approaches used to peddle soup and soap apply to reception report writing.

In advertising it is A-I-M-A, Attention! Interest! Motivation! Action! You have to be a public relations man trying to sell the idea of the station replying to your report!

No, honesty doesn't go out the window. Candor is perhaps the most effective sales technique. It doesn't mean you come on like gangbusters with the hard sell. Soft sell is usually more effective than high pressure. You still need a good product, the solid core of a good reception report. But the more you know about your "market" the better you'll be able to tailor your approach to the situation.

These special techniques you'll have to develop yourself. Your own personality, style and accumulated experience will guide you if you're receptive to the basic idea. If you're rigid, insist on a basic master report format you'll always follow, if you take the position, "If they don't like the kind of reports I write, to H--- with 'em", if you're not willing to try, try again if your first report, your first ten reports fail to bring a response, you'll miss a lot of fine QSLs!



ON TO THE TOP (cont'd)

I'd be remiss, at this point, if I didn't note that some veteran DXers aren't gung-ho about QSLs. They maintain that a QSL isn't always proof positive of reception; that some stations confirm without actually checking reports for accuracy. They're right, of course. Yet, I maintain that generally a QSLed report is better than a non-QSLed one if only because the DXer tends to be more careful about identifying the station when he tries to garner enough details to justify a report. Plus there's the thrill of receiving that rare letter from Lower West Bengalstan or whatever.

To sum up this series of articles, the key to successful DXing, as opposed to SWling, is know-how and knowledge gained through experience and the effort to learn as much about the hobby as you can. If it has struck you that the articles have been short on actual "how-to-do-it" techniques and long on generalities, it is because there is no short-cut method. All any article, series of articles or book can do is to point you in the right direction. If these have done that, and you carry through, then you are on your way to the top. ---End of Series---

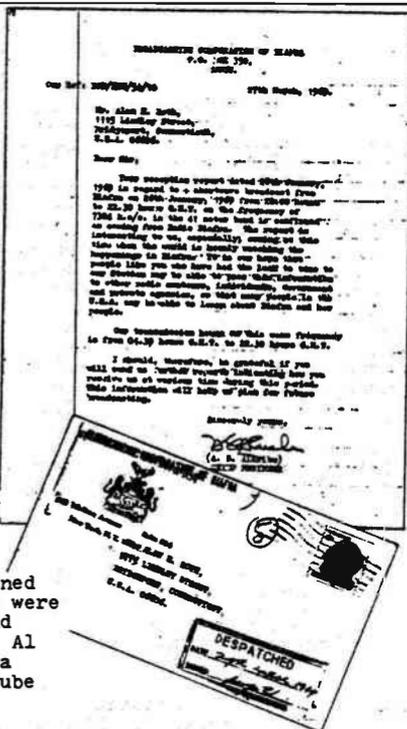
(Editor's note: For those who don't know Al Roth, he is perhaps best known for his work in the hobby in the '60s and early '70s. Though easily one of the best DXers the hobby has produced, Al found that his work in the travel business, plus NYC living, just too great a deterrent to his DXing. Still, Al was kind enough to supply me with the details of this amazing story).

Civil War erupted in Nigeria in the late '60s, pitting the central government against breakaway Biafra in the eastern region. DXers were brought closer to the struggle through Radio Biafra, operating from Enugu, which could be heard in the U.S. from 2200 GMT on 4660 and 6144 kHz, and from 0400 GMT on 7304 kHz.

Excited DXers sent a flurry of reports to the station, but direct mail links to the region were thwarted by the tightening grip of surrounding government troops. Biafra was isolated.

Al Roth had read press reports that mentioned that airlifts of food and medical supplies were being allowed only from Sao Tome, Gabon and Dahomey (now Benin). With fingers crossed, Al sent three separate reports of Radio Biafra to Radio Gabon, Radio Dahomey and Radio Clube Sao Tome.

On April 18, 1969, Al received a letter from A.S. Alaribe, Chief Engineer of Radio Biafra, confirming his reception. Despite Al's obvious success, several questions arose. How did his letter reach Biafra and why was the reply posted in New York City? A phone call from C.A. Onyenai, representative of the Republic of Biafra in NYC, explained; Al's letter to Sao Tome had indeed been included on an airlift into Biafra, where it was delivered to the station and subsequently hand carried out of the country to the UN representatives in NYC! Adding to the intrigue was the fact that the verification was typed on plain, lined tablet paper with virtually no ink left on the typewriter ribbon. The letter consisted of impressions only!



Not much room left for me, but I did want to thank Don Jensen for allowing us to rerun his "On To The Top" series, which is concluded this month. Until next month, 73s- *John*

IT SOUNDS TO ME!

John J. Moritz, Jr., 4779 Pine Trace, Youngstown, OH 44515

This month we start off with a guest editorial from John Kapinos, who has given freely of his time over the years to help Friendx, Speedx, and the HAP program. We advise you all to read carefully what John has to say. We round things out with more comments on our February and March editorials. All told, about fifty people responded to our March editorial. To me, that is a big success story in itself. But, much remains to be said and done. We have started something together here, and let us try and continue it over the coming months!

LIST LOGGING, by John M. Kapinos

The term "list logger" has been around for quite some time. Often times, the person who has been accused of such is innocent; "It sounds like a Duck, looks like a duck, so must be a duck". Much more serious a matter involves the individual that is not innocent but a true fraud. The hobby has been through its fraud stages over the years, such as the "Nibi-Nibi" of the late 1950's. Hoaxes such as this, and, in particular, certain "loggings" that appear now and then in the major club bulletins have no place in this hobby. Too much money and time have been spent by individuals trying to log such an impossibility.

"Bag the editor" seems to have become a rather popular game these days. Most editors sniff these items out and eliminate them, but we are not perfect and things do get by. Some editors do not, but it's often a time of trying to get a deadline taken care of and questionable items do get in. We all try to "embellish" our columns with the "right stuff" and sometimes get carried away.

NASWA made the right decision when the "Ralph Jensen" matter was taken care of several years ago. Throw the bum out...

Hey, folks, we have a hobby here, and, in my Funk and Wagnels, a hobby is a pastime to spend the time. We get home from work, read the mail, answer what is appropriate, and file the rest for deadline to use in our columns. Sometimes we even turn our radios on. We don't need the "game players"...

"Scoreboard" used to be a most interesting section of FRIENDX. When a dead man's QSLs are used to add to ones totals, this section is of no use to anyone. Perhaps Ralph Perry's "Numbers Game" article several years ago hits home. The entire NASWA Awards Program has a stigma about it.

We went through the XX-PA reports of a couple of years ago. Now, they tell me, these same reports are signed XX-ME. Look, fellow members, I can misalign my radio to get BBC on any frequency I care to, especially with a tube type preselector hooked up to a solid state receiver. Falklands on 2370 at high noon local, yes, very easy. Also on any other frequency you would care to name.

Some folks are going to say, well, that's the way it is, and don't get upset, because it is a hobby, after all. Yes, IT IS A HOBBY, but, let not some individuals take it so seriously as to ruin it for the ones who really do hear what they are reporting and really do receive the QSLs that they honestly deserve.

More comments on the March editorial...

DAVE VALKO, Dunlo, PA: "I've thought of several reasons why I believe more members don't contribute. One could be time. Contributing takes time, and that's time that some members feel they don't have. Another is that the members feel that their contributions would be meaningless. Or maybe its just out of laziness that they don't contribute. Time could be a justifiable reason but as for the other two, forget it. Other than time, I can't see any other reason for not contributing. I get a sense of pride in knowing that I'm one of the sometimes 5% who contribute. I like to think that I've been able to help my fellow DXers at least a little. So as long as I have a receiver and turn it on from time to time, I'll continue to contribute." (Dave is a regular contributor to Friendx)

ROBERT L. FORRESTER JR., Altus, OK: "I can only speak for myself but here is my reply to your question of why I don't support the club. The daily pressures of the job wears me down to the point where I am just worn out at the end of the day from constant interruptions, ringing telephones, worker problems and the unrealistic demands of the customers. Sometimes I don't turn my receivers on for weeks at a time. It's just hard to find the time to write or report to the club. I joined NASWA to supplement my SPEEDX subscription. No, I didn't join to suck the information from the log reports. I don't care to go after the exotic DX. I just can't see logging five or six stations from the same country."

WILLIAM P. WILDES, Alabaster, AL: "I listen to SW radio a great deal during the months from May to December. Tax returns, the State and Federal kind, occupy much of the time the other months because I prepare other people's tax returns for a living. I still listen from January to April, but there is no time to report. I kept up with the Falkland War last year through the Beeb and was fascinated just like everyone else with the happenings. So there...."

WILLIAM F. FLYNN, Fremont, CA: "First, I offer an excuse! I do work 12 hours a day, 5 days a week, and this leaves only weekends available with much free time, in which there are many household and personal chores that must be accomplished, plus some too few hours for DXing...So, I wind up listening for a while, perhaps writing a few reception reports (most of them never get written, hi!), and catching up with Frendx and other publications...I would like to spend ten times more DXing than now possible. Surely when I "retire" in some 15 years that may come to pass."

WILLIAM R. SMITH, Washington, DC: "I guess I must number myself among the grateful dead. I am starting my 3rd year in NASWA and I really am grateful that there is such an organization. But aside from sending in some log reports in my first year and in reporting my totals to Scoreboard, I have not contributed. I have found Review of International Broadcasting to be a better forum for the few comments I have had on programs on shortwave. In the first year of my membership I felt I did not know enough to really contribute. In the second year I was planning to get a better receiver and so told myself I would contribute more after that. In the third year I have the better receiver but I have changed jobs in the meantime and have had more demands made on my time so that I do not get as much time to listen as I had previously. I used to listen up to 20 hours a week, now I am lucky if I spend 5 with my radio. Somehow if I set out to share my experiences with others it would seem like work and not fun, so I enjoy myself. I just don't have the time to make as much of my hobby as I might like."

GLEN PIPER, Rochester, MI: "I do not know how many others are in this type of situation, but, I do know that I find Frendx to be a great help, when I do find the time to listen. You bring up a good point, and I think that all of the people who don't contribute enough, myself included, should think about what is happening with our organization, and then do what we can to make it better, namely get involved!"

DAVID L. TAILLARD, Westland, MI: "To say the least, you have upset me. Not only myself, but all 2100 of us. And justly so! You have addressed yourself to 90% of the American public; of which 2100 of us belong to NASWA. We procrastinate, and we are lazy. Why should we do something for ourselves when we can have others do it for us? That's the American way and unfortunately that is also the NASWA way. We sit and turn the knobs of our radios or TVs and think great thoughts, but we never do! And why should we do. Just turn through the pages of Frendx and its all laid out for us on a silver platter. To be sure, each one of us have had ideas on how certain columns should appear and what should be included in them, but if we don't bother, the few 100 that contribute to Frendx will take care of things for us. Yes John, your column got to me. It upset me and made me angry. But I believe that was your aim. And to that end you have accomplished what you set out to do. This letter is proof of that. I benefit tremendously from NASWA, and Frendx is outstanding! But I see where I have been very selfish. Taking it all, but giving nothing in return. I know its a little late for new years resolutions, but I resolve to contribute to Frendx. To impart and share what little knowledge I have or might obtain, with my fellow NASWA members. And John, keep hounding us. We need someone to kick us off our seats and get moving. Thanks, and keep up the good work. You'll be hearing from me again, that I promise."

JOHN GRAMAROSSER, Chicago, ILL: "Thank you for waking me up. In every club or organization there is always a small group of people who are the workers and keep things going and I am afraid our club is no exception."

DAVID RICQUISH, Wellington, New Zealand: "I have just read your comments in the March issue of Frendx concerning member participation in your magazine, and thought you might be interested in my experience as Chief Editor of the New Zealand DX Times. I became Chief Editor some 18 months ago, and made the most important decision even before I edited the first issue. It was quite simply to always take a positive attitude, and never to fill the pages with long requests for members to support the magazine. I have never asked for support. I assume it is forthcoming. It is also basic psychology that people only wish to associate themselves with a winner, so I positioned the magazine in members minds as the greatest DX magazine being published in the Pacific. The response has been phenomenal."

All for now. Back next month with a new editorial and more feed-back from you. Allow me to say congratulations! to Tom Alleman. I do not know who would want to marry a guy like that!?! Lots of luck Tom. Please accept my best wishes for a long and a happy marriage.



Vintage Vignettes

WDX3UPA, Bill Taylor, Box 132, Unionville, PA 19375

UNDERSTANDING POWER SUPPLIES - PART III

Welcome back. Last month we started the section on the filter system in vintage gear. Briefly, we illustrated the two main types of filters (capacitor and choke input); we covered common problems usually associated with these systems and their components; and we listed simple multimeter test procedures for these components. Once again, let me stress the fact that it is necessary to utilize good safety procedure when dealing with power supplies, or any tube-type service work, as there are high voltages and stiff currents present. If possible, for any test at hand, leave the AC plug and line disconnected. If the chassis is live (power on), the chassis is probably hot with negative high voltage and will provide an unusually good opportunity for you to shock the living Dickens out of yourself if you bridge the gap between chassis and any B+ (usually red wire) circuit. Use only one hand inside or upon the chassis. A bite on the finger is much preferable to a nip on your heart or lungs. If available, be sure to use an isolation transformer to defeat ground shocks.

FILTERS (cont.)

Insufficient capacity, usually due to severe leakage through the electrolytic and not to poor design, can be found to be the cause of several problems found elsewhere in a receiver. This leakage can cause ripples and/or excessive current through the previous stages. Regeneration, degeneration and motorboating often result from this situation.

When there is either an open capacitor or leakage, shunting the bad capacitor with a good one will cure, or at least improve, the problem. A shunt is effected by making a temporary connection of the good unit in parallel. Shunts should be wired in with the plug pulled and the filter caps discharged. One should not, however, permit one of these temporary measures to become permanent. Values as low as from one to four mfd. will usually be effective here.

Chokes are generally replaced when defective. If the air gap in the core has lost its insulating spacer, it may be possible to insert a new one in order to prevent eddy currents and hysteresis, and thus reduce hum. A much more complicated repair entails stripping the windings and rewinding the choke. This repair is made necessary if high voltage has shorted wires to wires, or wires to the grounded core. Nice job if you are snowed in next winter.

The replacement data contained below should assist you in the replacement of defective components. The chart in Table II demonstrates the inter-relationship of the capacitance and inductance in each "L" filter. The important thing to remember in regard to these filters is that we need a combination of values that will not resonate at the 120 cycle pulsing rate as this could easily overload the previous stages. Insofar as voltage ratings are concerned, use the same or higher rating. Table III will offer help in this respect if the original ratings are not available or marked on the unit.

Early chassis models will probably have a Mershon-type wet electrolytic can. It is easily detected by the "grease fitting" type bleeder vent on the top of the can. Figure 1 also shows the wet paste and dry paste electrolytics of later manufacture. The chokes in the figure represent the two major types used: the independent choke and the speaker field coil.

Since restorations should leave the equipment looking just as it was originally made, every effort should be made to hide all new parts while leaving their faulty cousin electrically neutralized. Generally, this means that new parts are to be wired in under the chassis, inside shield containers, or repped into the original faulty unit's shell.

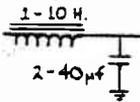
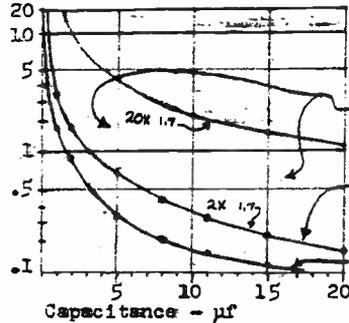
TABLE II

L² Filter Design Parameters - Full Wave

Resonance = $1.77 = \omega f \times X$

Filter min. = 2×1.77 or 3.54

Series



General Design Parameters

Minimum Filter Curve

120 cps Resonance Curve

© 1953

TABLE III

Voltage Ratings of Electrolytic Capacitors

Full Wave - Center-tapped	
Capac.	Input Choke Input
Epk X 1.4	Epk X .9**
300v - 1.20	300v - 270
350v - 500	350v - 315
400v - 560	400v - 360

**use 1.4 anyway for safety

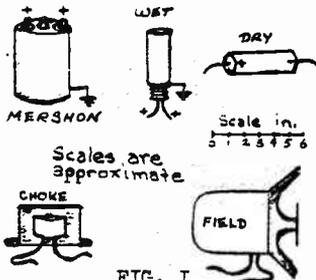


FIG. I

VOLTAGE DIVIDERS

The voltage divider is the method usually employed to secure the various voltages necessary to proper tube operations. The divider circuit is composed of resistors and bypass capacitors. The diagram in Figure II illustrates the general construction of these circuits. It also shows a wiring of the most popular type of resistor used in this service: the multi-tapped, wire wound resistor. The actual circuits used varied enormously as to values and whether the grid bias resistors were included on the same unit.

For the example at right, the power supply is being called upon to provide 250 volts @ 8 ma for several tube plates, 144 volts @ 8 ma for detectors and screen grids, and 90 volts @ 2 ma for a separate screen grid. The supply is capable of maximum operation at 300 volts @ 125 ma. The resistors are for the grid bias. The grids generally run from 2 to 20 volts more negative than the cathode in order to operate properly. These bias resistors are usually found on the same node leads in series.

The formulae beneath the diagrams may be used to calculate the appropriate resistance values for the biases and B+ taps. The bias formula is needed grid bias voltage drop (E_d) divided by the total of plate and screen grid currents in A* (I_{psg}), thus yielding the resistance in ohms (R). The power rating (P) in watts equals the product of E_d times I.

The B+ taps are calculated by adding all of the currents drawn on a circuit for the total current drawn at each voltage tap. A bleeder resistance (mandatory for choke inputs) will sink a final current not to exceed supply ratings. From the example, R₁ must drop 50 volts with .125 A being drawn; R₂ must drop 106 V with .035 A current (Note: 90 ma flow around this tap and only fall across R₁ from 250V to 300V); R₃ must drop 54 V @ .027 A (98 ma evade this drop); R₄ is the bleeder, and it must drop 90 V with a final current of .025 amps. The power figures are found from the same formula as the bias watts.

The bypass capacitors are used for low impedance pathways for the plate signals from the RF and AF sections. If these currents were made to flow through the resistances, degeneration would occur. The values of these capacitors (usually the wax impregnated, rolled foil types) will be found to vary with their use (.01 for RF and 16uf or greater for AF). Check these for accuracy. And you are done. Simple, eh?

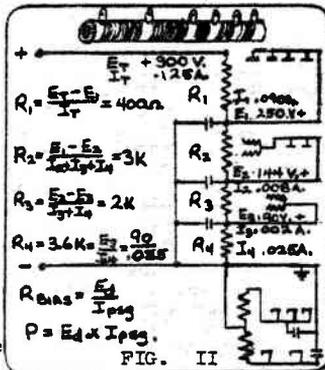
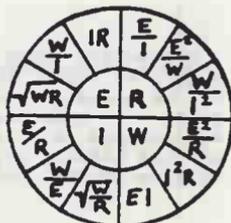


FIG. II

TECHNICAL TOPICS

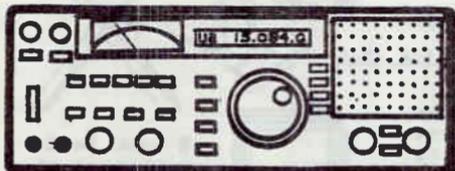
ED C. SHAW

604 GREEN RIDGE COURT, LEXINGTON, KY 40503



***** MAY 1983 *****

Icom's receiver was all they said it would be...and all that some reviewers said that it was! There is no way that anyone could say one receiver was a lot better receiver than another, because each receiver has its own features and advantages that another receiver does not have. It's the same with the Icom. This isn't a cop-out. I could easily almost say that the Icom is the best receiver I've ever had, but there have been other receivers with better features I liked more, but with some features not as good as the Icom. The truth is, I like the Icom very much, and I'll elaborate on the reasons for it in this article. First of all, the Icom is small...smaller than any receiver I've ever had. It has more user controlled functions than any other receiver I've had. The digital readout and stability of the Icom borders on phenomenal in my estimation. The S-meter readings apparently are exact. The portability of the Icom can't be matched by any except portables which can't be compared for performance. I delight in the effortless tuning of side-band signals...so much so, that I do much more exalted carrier DXing than previously. What don't I like about the Icom, then?

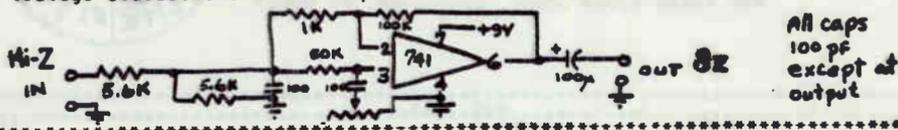


Well, there is the matter of that tricky-to-learn passband tuning. Once you understand it, that's great. The passband tuning enables the DXer to narrow either the Upper or Lower sideband skirt, thereby reducing interference from adjacent signals on that side. In real life, however, exacting DXers often dig into tight spots with interference on both sides at once. With the Icom's fixed i.f. filter system, combatting interference from both sides is impossible. I understand that replacement filtering systems are being offered already. Don't get me wrong, though. The i.f. as it comes is quite good. A second annoyance is the sudden switch to an adjacent band whenever you tune to within 1.4 KHz of 0. That is, if I try to tune down to 15,000 KHz for WWV, when I get to 15,001.4 KHz, or lower, the band suddenly jumps to 14,001.4 (even though the digital readout still says 15,001.4). It's minor, but still an annoyance. Except for those two points, the Icom is a wonder-worker.

Audio oomph is plenty! The existing internal speaker is smallish, but I don't listen to high fidelity on SW receivers anyway. In fact, I mainly use headphones. I get great pleasure out of the two-channel memory, keeping one DX catch on "hold" while I tune around on the other. The Kenwood R-2000 has ten such memory holds. The Icom notch filter works O.K., but I've seen better results in older Hallicrafters notch filters. Digital readout to within 100 cycles, and analog dial-ring resolution to 10 cycles is a marvel!

As to actual performance: Sensitivity has to be equal to anything I've ever owned, including R-390A, SP-600, HRO-500, and others. Internal noise is very low indeed for a solid-state and digital receiver. I can very nearly claim to be able to receive any station broadcasting, considering interference, of course. My two favorite areas of Indonesia and Andean S.A. are constant sources of pleasure. Used with my SX-190, I am lately doing a small study of Indian regionals. Parallel broadcasts are easily identified by listening on dual-feed headphones...one receiver to left ear, and one receiver to right.

A MICRO-SIZE AUDIO AMPLIFIER. This wee little amplifier uses a minimum supply of parts, and the assembled unit is no larger than a sugar cube. It can be glued onto a 9V battery clip, and then affixed with a 9V battery right onto your headphone band. Uses include extra amplification from pee-wee powered audio projects, or any other high impedance source. The beauty of this circuit is, unlike normal 741 chip use, requires only a single (+) voltage source..the 9V battery.

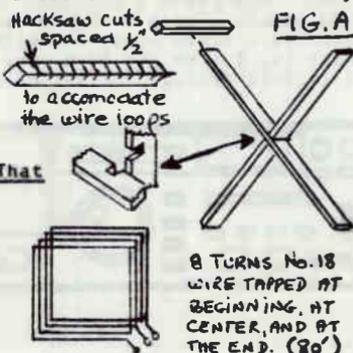


So many people have written to ask about active (amplified) antennas to fit restricted areas that I have decided to go into some depth about the subject and present plans for a general usage antenna system that can be customized for just about any frequency range within the interest of most NASWA DXing members.

The plans come in three parts to construct:

1. The Sensing Loop. (Figure A)
2. The FET Amplifier. (Figure B) Next Month
3. The Power Supply. (Figure C) Month After That

Construction details, while not so very difficult, do require the hobbyist to have some familiarity with things electric, and an ability to use hand tools and soldering equipment. An understanding of what makes it work would also help, but we'll touch on that subject briefly after the project is completed.

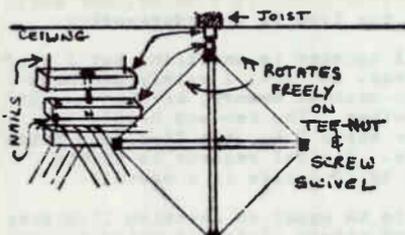


The first step is to construct the Sensing Loop. This loop is a number of turns of wire on a wooden "X" frame with smaller "T" pieces on the ends.

You will need: (1) 365 mF variable capacitor (the only electrical piece)

- | | |
|---------------------------------------|---------------------------------------|
| 2 - 1x2x36 in. wooden arms | Now, I am going to omit listing out |
| 2 - 1x1x6 in. wooden end pieces | all of the obvious and various little |
| 1 - 10-32x2" Machine screw | pieces of hardware that will be |
| 1 - 10-32 Tee-Nut (a nut with spikes) | necessary to construct the frame. |

Construction of the frame should be within the ability of a hobbyist without detailed step-by-step instructions since the actual cosmetic appearance has little to do with the electrical performance of the loop.



Construction hints on how to hang this item from your ceiling over your DXing area are shown at left. Every ceiling has joists every sixteen inches...one near enough for you to reach easily while sitting down at your receiver.

This antenna loop cannot be used alone without amplification circuitry. It is good especially for direction finding and nulling on Broadcast Band stations and lower frequency short waves. Higher frequencies are less noted.

The only thing not covered now is to choose which band you want to DX. At right is a listing of what number of turns to put on the loop corresponding to frequency response. I heartily recommend making the loop for medium wave BCB, since you can always tap-off for fewer number of turns later if you want to try out the higher frequencies.

8 TURNS FOR BCB (MAYBE 10)
4 TURNS FOR UP TO 60M
EXPERIMENT, TRY
MORE OR LESS

WE'LL CONTINUE NEXT MONTH ON THE AMPLIFIER.



MAY 1983

Listeners Notebook

GLENN HAUSER, Box 6287, Knoxville, TN 37914

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AFGHANISTAN R Rgh ES to Eu 1730-1900 now hrd on 1730-1900 (WBI 17/3) in Pashto/Dari, GM, ED [-1900-1900]. Since 1/4, ES in AR 1700-1725 on 15530 11825 (WBI 7/4) More, LMI

ALBANIA R Tirana ancd clox'd be forwarded an hour 10/4; ergo, DS pgms'll be hrd an hour earlier; ES pgms unaffected (WBI 14/4) So e.g. 5020 & 5057 s/on an hour earlier (gh)

ALGERIA Alg R now obs in SP 1030-1100 in addn to 2030-2100 xmsn. Former hrd on 15370 15215 9685 1305 251. FR DS now 045B-1030 & 1100-2405 daily (WBI 17/3) EG 2000 on 9685 G but worse by 2021 13/3 (Jonathan Gordon-Till, UKOGBANI, ADXN) RTA 15160 ending FR 2000 and into EG 7/4 (Richard E Wood, Sa'udi Arabia) More, LMI = Last Minute Info at the end of this LN

ARGENTINA R Splendid, 11880.5, clear w/SP sports to 1530 Madrid s/on 2/4 (Ernie Behr, Ont) RAE ES in EG: Lam 0100-0130, 0230-0300, 0430-0500 all not Mon on 15345 11710 6060. FE 1100 -1130 & 1200-1230 both not Sun 11710. Eu/Af/ME 1930-2000 15345. Ams 2230-2300 15345, both not Sun. SP: 0030-0100, 0300-0330, 2030-2100 on corresponding fqs; 1230-1330 w/R Nacional nx svc to Lam on 11710 9690 6060 (WBI 31/3)

ANGOLA, LMI

AUSTRALIA WBVV on new 1690 kHz, hrd to 1690 7/3 after lecture on computers (Matthew Francis, Tasmania, ADXN) 10/3 0930 on 1692 ex-1750 (Morrison Hoyle, Vic, ADXN) Xmtr is still at Concord West, 500 watts, s/off generally 1103. The one fq of 1692 replaces two, 1750 & 1720 (Ian Stanley, ADXN) More, LMI

AUSTRIA For J83, some changes in ORF EG to Nam: 1230-1255 on 12165; 0430-0455 on 12165 & 11665. Sun+GMT Mon carries DK pgm Austrian SW Panorama (gh)

BANGLADESH R Bangladesh hrd 17/1 1430 on 9618.0, local nx (Marc Decock, Belgium, DSWCI) And 2.2 kHz higher was Mozambique at 1950 13/1 on 9618.8 //4865.7 (Pinn Krone, Denmark, ibid.) Dhaka now in Urdu 1400-1500 on 15242 & 11943; Hindi 1600-1630 on 9618 11767 (Alok Das Gupta, Calcutta, ADXN) RB ES sked: 1230-1300 EG Eu incl nx 1231-1236, commentary 1236-1241, and on Thursday Press Review 1245-1250; on 17800 & 15280. 1315-1345 Nepalese 9620 9580. 1400-1500 Urdu 15250 11945. 1600-1630 Hindi 11765 9620. 1645-1715 AR ME & 1715-1815 BG Eu & 1815-1900 EG Eu & 1900-1915 slow speed EG nx to Eu; incl 1816-1826 nx, 1826-1831 commentary, 1835-1840 Thu Press Review, all on 9540 7280 (WBI 7/4 per R Bang) But see April LN! & LMI

BELIZE R Belize 2nd harmonic often hrd in Mar on 1668, e.g. 0435 23/3 in the clear and much stronger than 834 kHz. When portable phone QRM permitted, 1668 hrd several times w/834 inaudible--a pretty good indicator of terrible BCB condx this past winter (SWNS, Ont)

BHUTAN R WTAS hrd regularly on Sundays 0600-0900 w/EG 0820-0900 (nx 0845-0850) on 11665. On Wed/Fri noted 1100-1400 EG 1330-1400 (nx & wx 1345-1350). Occl employment nx in EG. Evening svc on 4621 tho ancs 4690 (Alok Das Gupta, Calcutta, ADXN Apr)

BOLIVIA Report of R Cuarto Centenario in Feb LN is only partly correct--fq is indeed 5030, but *1200 not 1100 as stated. R Santa Ana finally commenced testing alternative fq to 4885 nominal (which is now vacated); hrd on 4650, but irregular (possibly moving around) - new nominal fq is 4805, per anmts. Rdif Puerto Suarez, reported in March LN, is harmonic of non

11 kHz, stns and f; sked 1030-2400, possibly split. R Abaroa, 4720, now *1100, ex 1000. Illimani, 4945 & 6025 now *0900 ex 1000; ditto R Nacional, Cochabamba on 5974; possibly o Doce, 5954 too, but reception poor. R 21 de Diciembre, Catavi on 6082 (6055 nominal, // 5 MW), 1000-1400, 1530-1800 & 2000-2345 (Sun 1200-tentative 1800) (Tony Jones, Asunción,aguay, 6/4) R Florida, 3370 sent very nice cassette of folk mx; address differs from TH 83. Radio Florida, Sociedad Comercial Ltda., "Voz Impulsora del Turismo Provincial", lle Bolívar No. 132, Casilla No. 4644, Samaipata, Prov. Florida, Dpto. Santa Cruz de laerra, Bolivia (Roland Schulze, GFK, DSWCI) R Norte de Montero, Santa Cruz de la Sierra, 4936.4 ex-4934.5, 26/3 0050-0130. Careful not to confuse with R Tropical, Tarapoto,ru, on 4936.5 (Giuseppe Zeila et al., Play-DX, Italy) more? MI BOTSWANA MI

AZIL More correxions to WRIVH 83 address info: 922) R. Dif. Jatai, 4935, should be 927), 6) R. Dif. Mearim, Caxias, 4935, should be 638). 470) R. Guarani, Belo Horizonte, 6165,ould be 598) and fq is 6175. 55) R. Gaucha, Pôrto Alegre, 11915 & 6135, should be 54)evin Mikell, Park Ridge IL) Braz on 1895 4/4 0831 IDing as "R Cultura" or "Cultura do rto Alegre"; WRTH lists R Caiçara, but no such ID or mention hrd (Christos Rigas, Chicago) R Cultura de Pôrto Alegre now operating on 6080, 9520 and 11895; no mention of MW in mts, so presume distinct from R Caiçara listed in WRTH. Has good pgming, a rarity for azilian stns! (Tony Jones, Paraguay, 6/4) R Caiçara, Pôrto Alegre, reactivated on 6080, 30-1049 F=P 28/3, ZY mx, LA mx, OM talk, ID, "Brasil! ... Rádio Caiçara..." No QRM this y (T Inoue, Radio Nuevo Mundo, Japan) R Cultura de Pôrto Alegre, 6080, *1000 28/3 and til 0800, ID, fq (Aoi, RNM) 6080 tentative, R Beudorado or Veudorado, Porto Alegre, F, /3 only, 0910-1000//; ZY pops mainly, ID w/patrol car siren (S Sakai, ibid.) I suspect is word is actually El Dorado, but howcum? (gh) R Inconfidência, 15190, booming sig 1900 /4; RNB FR nightly 1800-1900 on 15280, EG 2000-2100 8/4, 12/4, etc (Richard E Wood, Saudi abia, 14/4) RNB German 2100-2200 now on 15390, badly mixed w/VOA PT to 2130*; // excellent 895 29/3 (Wood, SA, 31/3) R Educ. Rural de Coari, 2488, 5/4 0225-0230*, ID & S/off (V de masi, Italy, Play-DX) R Iguatemi, Osasco, 4975 ex-3295 is reported to be active by all r Brazilian friends (S Cassio Martins, DX Clube São Carlos via Play-DX 14/3) More, MI

BGARIA R Sofia FR 1930, EG 2030-2130 to Af on 17755 5/4 (Richard E Wood, Sa'udi Arabia)

BURUNDI R Burundi can be readily identified on 3300 shortly after 0300 by its drum beat IS hich is used comparatively often during the FR xmsn at that hour (April SWNS)

NEROON R Cameroun, 9745, from 2100 EG nx, 2200 FR nx, mx & NA to 2400*; not to 2300v as fore; vy strong since 16/3 (Ernie Behr, Kenora Ont, 4/4)

NADA RCI has resumed a Caribbean service, FR 2200-2230 & EG 2230-2300, on 15190 17820, ould be audible in ENAM too; SWL Digest sked on this service Fridays 2240 with five min moved, but I hope the DX news will always be intact, since this way it can get to you arly a day earlier than before (it's 'in the can' around noon Friday anyway); originally nanned to be on Sunday 2235 complete. On NAM svc SWL Digest retired to 0206 GMT Mondays, stead of 0106 & 0406 (or 0006 & 0306 last summer); Mailbag on 0000 & 0300 GMT Mon bcs. EG weekends 0100, but Mon-Fri (Tue-Sat GMT) 0100-0200 carrying repeat of World At Six d first half hour of As It Happens. NAM svc fqs 5960 and 9755, except at 0200 weekends en also on 15190 11845 9535. Earlier bc of WQ6 & AIH to NAM stays at 2300-2400 GMT in ead of shifting an hour earlier, but those wanting to hear them at 2200-2300 may listen Eu beam on 17875 & 15325. Sunday Morning, now at 1300-1600, gains 3rd fq, 15240, along th 11955 & 17820. 21695 is no longer used at all; Eu 1900-1930 (Sat/Sun 2000) goes down 11825, and 2000-2030 M-F on 11960 instead. CBC is cutting AIH to only one hour, as usl for summer but will not resume sesquihour in fall. (gh) Good reception of low powered Canadian regionals here in Chicago 16/4 & 17/4: 6030, CFVP lgary 16/4 0745 light pop mx, "1060 CFCN" IDs; also 17/4 0751. 6080, CKFX Vancouver, weak 15 16/4, country mx, Vancouver wx. 6160, CKZU Vancouver, fair 0852 17/4 jazz, 0905*(Rigas)

PE VERDE Emissora Oficial, 7155, in PT *0733-0900* very strong 23/2; 18/3 *0740. Only ID at 0800, as "Emissora Oficial...Cabo Verde". I see it being QSLED as Voz de São Vicen- but hrd no mention of that stn, or São Vicente on either of these nights. Did hear ia mentd many times. Usual sudden s/on & S/off (Greg Ravenhorst, MN) Good on 4/4 0758 7155 w/ID, gong on the hour and nx (Christos Rigas, IL) Voz de São Vicente now audible ry night after a slight move to 3930.6 which helps stn escape military stn on 3930 which s blocked it more or less for years here in Scandinavia. Try at 2300 (Rolf Löwström, Oslo, DX 27/2 via March DSWCI)

AD WRTH lists a R Moundou on SW, but possibly the first logging of it in our part of the rld was made by Gordon Darling on 5288.5 in FR to 1830*, weak, also hrd here (Finn Krone, mark, AWR DX 27/2 via DSWCI)

INA R Beijing new EG official sked effective 25/4: ENAM 1200-1300 15520 15180, 0000-0200 120 17855, 0200-0300 15120. WNA 0300-0400 15120 17680 17855, 0400-0500 15120 17680. ac 0830-0930 9860 11600 15195 15435. SEAs 1200-1400 11600 15280 17700. SAs 1400-1600

11600 17700. E&SAf 1600-1800 15165 17700. W&NAf 1930-2130 9440 11515 11905. Eu 1900-2000 & 2100-2200 9860 11500 (R Beijing) There are usually additional fqs. George Poppin says they have also been testing for WNAf 1400-1600 on 15225 11900 (gh) Beijing on new 11630 EG SEAs 1200-1300, VG 25/3. Has been busy w/extra fqs lately. Since about late Jan 83, I know of 6 or 7 added channels w/out these being replacements for other outlets. Perhaps some new xmters? (Matthew Francis, Tasmania, ADKN)

By end of century, R Beijing to be broadcasting in 45-50 langs vs present 38. Several more powerful SW xmtg stns and a new 'technological' bldg'd be built for fornlang bcs. R. Beijing form svc'd continous presenting China's current situation, policies and proposals truthfully to help people in other lands better understand China and to strengthen Chinese people's friendship w/them, RB'd continue to support just struggles of people in the world, esply Third; opposing hegemonism and safeguarding world peace (Kinhus reporting on a 31/3 statement by the Minister of Radio & TV, via WBI 7/4)

COCOS ISLANDS LMI

COLOMBIA Corraxion to WRTVH 83: 27) Caracol, Bogotá, 4755, address should be 26) (Kevin Mikell, Park Ridge IL) unID HJ mentd on 11/4 SWL Digest is R Macarena, Villavicencio, hrd on 5973.3 0913-1003+ 4/4 w/LAM mx pgm. Fqt IDs, TCs and ads for lcl businesses. Three note chime 0958, then full ID w/out mentn of SW as "...Radio Macarena, emisorá HJKT, 1080 kHz. 10 kW de potencia. Desde Radiocentro Todelar...del pueblo colombiano." F-G sig; listed as 76) in current WRTH (Bob Streater, Schenectady NY) Hrd 3/4 & 10/4 on 5972, 2318-0130, new on SW, fq presumably inherited from LV de los Centauros, also Todelar in Villavicencio. Addr is Apartado 2484 (V. de Tomasi & Giuseppe Zella, Italy, Play-DX) More, LMI

CONGO LMI

COSTA RICA R Sandino net, Nicaragua, reported 4/4 that US President'd sent letter to CR Pres expressing interest in projected installation of several powerful radio stns in various locations near CR border w/Nic, incl San Carlos, Sarapiquí, Tortuguero and Guanacaste (WBI)

CUBA RHC SP Ams 1215-1315 on 11800, level w/Colombo; economic talk. This is propagationally interesting: "The DX Edge" suggests a likely long-path route over NPac and E Siberia, tho Cuba, W Siberia and thence to Abha are then in daylight; 14/4 (Richard E Wood, Saudi Arabia) RHC hrd on 17478, 1630 16/4 to 1645* (Chuck Oliver, Spring TX)

CYPRUS ~~OW~~ Nicosia via BBC, NF for GK to UK *2000 11/3, G (Bob Padula, Vic., ADKN), Oops, it was 7000 (gh) Still sked only UTC ~~Fri/Sat/Sun~~? (Peter Bunn, ADKN ed.)

CZECHOSLOVAKIA LMI

CHILE R Nacional, Stgo, HS in SP to 0205* on 9548, mentd 9510. Other days noted on either 15160 15150 15160, but never simultaneously w/this fq, G sigs; 19/2 (Carlos Bazán, Argentina, ADKN)

DENMARK R Denmark J83 new sked: 0900-0952 Au/As 25850, 1000-1050 Grnd/Pac 17770*, 1100-1152 Eu/NAf/SAm 17770, 1200-1252 Af/ME 25850, 1300-1352 Nam/Carib 25850, 1630-1730 Grnd/Pac 17770*, 1800-1852 Eaf/ME 17770, 1900-1952 Nam/Grnd 17770, 2000-2020 (* M-F) Grnd/Pac 17770, 2030-2050 Eu/NAf 17770 (* M-F), 2000-2052 Eu/NAf 17770 Sat/Sun. 2100-2152 SAm/Carib 17770, 2200-2252 FE/Japan 15165, 2300-2352 USA/Canada 15165, 0000-0052 Au /SAs 15165, 0100-0152 Grnd/Nam 11715. * = relay of DS (R Denmark via ADKN April)

DJIBOUTI Djibouti is unchanged on ~~4000~~ and not drifting. AR nx 1400 14/4 (Richard E Wood, Sa'udi Arabia) Is this the final & correct spelling agreed upon? (gh)

ECUADOR LMI

EGYPT V of Arabs on strange 14875, IDs 1345 & 1400 24/3. Cairo seems to be having trouble w/xmters around 19m. R. Cairo V of Africa, Yoruba 2200* 15210 as sked; V of Arabs 1900 w/ usual chimes & AR 15475 7/4. R Cairo first pgm in AR, 1000 on 15201.5 // 15175 but weaker than the latter. However, at 1100 on 15210 and stronger than 15175; 14/4 (Wood, Saudi) Cairo's domestic and external svcs in AR [times earlier by one hour in anticipation of summer sked]: V of the Arabs 0200-0400, 0500-1300, 1600-2330 to ME/Af (incl NAf)/Eu: 0200-0400 11795 9770 7150. 0500-1300 17745 15475. 1600-1800 15475 11785 9695 7150. 1800-2330 11785 11665 9695 7150. Sudan Corner: 0400-0500 11795 9770 7151. 1300-1400 17745, 1300-1600 15475. Holy Koran Stn to ME/Eu: 0100-0800 & 1100-2000 9755. General Pgm to ME/Eu/NAf/NAM 24h, but on SW: 0300-0600 11665 9805 9620 9455. 0600-1200 15210 15175 12050 11785 11665 9495. 1200-1400 17670 15210 15175 12050 11785 11665. 1400-1700 17670 12050 11665 9850. 1700-1800 17670. 1700-0210 12050 11915 9850 9475. (WBI 14/4)

EL SALVADOR R Nacional [sic], not at present on SW. New xmters being installed, planned to be on air shortly; proposed fqs to be selected from 9520 9585 5990 6085 6095 (Bunn, ADKN)

GUATEMALA Fair on 5/4 0515 on 6250 w/long talkman, many wnts of Malabo. Spoiled by Vatican *0530 (Christos Rigas, Chicago IL)

ETHIOPIA VORE Natl Svc on 7110 & 5990: Mon-Fri 0330-0600, 0900-1030, 1500-2000. Sat 0330-0600, 1000-1300, 1500-2000. Sun 0400-0800, 1000-1400, 1500-2000. VORE Intl Svc on 9560 & 7165: 1200 Somali, 1300 Afar, 1400 Arabic, 1500 EG incl nx 1530-1540, 1600 Amharic, 1700-1800 French. Then carries cland pgms on 9595: 1800 R Halgan in Somali, 1900-1930 V HmtLia

/Lozi/Herero, 1930-2000 R Freedom, by SWAPO and ANC respectively (WBI 24/3)

AND ISLANDS FIBS, 3958, hrd 29/3 from 0900 w/pop songs, no BBC nx, 1000 local nx & wx, msk to 1030/; was using SPR-4 w/15 ft wire in basement, below ground level (Ernie Behr, On 9/3, DK Times reporter Steve Rawdon interviewed Patrick Watts exclusively for our rs on latest events in the Falklands! On air since mid-Oct, FIBS Breakfast Program is ed 0900-1730 [sic] on 3958, then 1930-0130 on 2370 w/FM simulcast on 96.5 MHz. Power 58 is just under 2 kW. So many reception reports have been received that new cards are printed and correct reports will be confirmed. Staff are under contract and include from BBC and at least one ex-RNZ DJ. Regular calls to NZ listeners are now being made, usual time checks have even been hrd: "It's 6:15 am in the Falklands and 9:15 pm in NZ". April NZ DK Times)

Surprised to see BBCMS giving detailed info on a Brit stn, FIBS: (gh) At the end of April time in Port Stanley changes from GMT-3 to GMT -4. [Most importantly to North Americans, probably will lead to a *1000 s/on instead of 0900; but in the western half of NAM where is still darkness path, reception should remain possible, and Stanley winter sunrise d produce later f/outs. Many of the pgm details to follow are live relays of BBC; it ns to be seen whether some will be rescheduled, tape-delayed, or what -gh] 0900-1730 1800, Sun 1600, daily 1930-0130. Pgms include: 0900-0915 relay BBCWS nx & press rev. 1015 FIBS nx & wx. 1100-1115 BBC WS nx. 1500-1515 (Exc Sun) BBCWS Radio Newsreel. 2200 Tue/Fri BBC relay of Calling the Falklands. 2230-2245 Local annts (not Sun). 2315 relay BBCWS nx & contry. 2315-2345 (Mon 2400) FIBS News Magazine (not Sat/Sun); 0015 Calling the Falklands (repeat of 2130 Tue & Fri). This stn also includes pgms by the BBC and the BFBS (WBI 7/4) Oh, also says 3958 to 2100, 2370 from 2100.

FR Contrary to reports from France that RFI is already on the air 24h: (gh) No xmsns 0400. Also are 13 xmtrs on the air simultaneously at some parts of the day (Bob Padu-ADKXN) From 18/4, RFI has added new EG to EAF, nx 0415-0430 & 0445-0500 on 15155, 11735, 9795, 7135. Excellent here w/Am accent on 9795, next best 7135 (gh) **GABON LMI**

NEW ZEALAND RFI state in latest sked they have 50 different QSL cards available. They of a spl diploma for 50 correct reception reports. Addi diplomas awarded for 100, 500, and 3000 reports. Joining their DK Club entails no financial burden, they say. However, I calculated that if 3000 reports w/ers sent separately from the UK, the postage alone d be about 600 pounds. If each report was on half hour xmsn time, this would involve 62 days solid listening time. And even if their staff could complete QSLs at the rate 10 per hour, that would still take 100 hours of staff time for each listener who sent in reports. If all members of DSWCI could be persuaded to send in 3000 reports, and then members of other clubs thruout the world, I can foresee the day when the entire GDR will be employed in reading reception reports and sending out QSLs! (John R Megson, DK 13/2 via DSWCI SW News) **GHANA LMI**

GR DS relays of R Macedonia via 35 kW Thessaloniki xmtrs: 0900-1630 9460 & 9815, 1700-9905 9460. Sundays, also 0500-0730 on 9815 & 9460 (Bob Padula, April ADKXN) Probably ed now to higher fqs (gh) ERT *1400 GK on 11645 appeared to annc as directed to "Cen-Russia;" Perhaps it has dropped the former strange destination of "Taskend". 25/3 (Richard E Wood, Sa'udi Arabia) VOG 1230 EG nx 12/3 was on 15205 (SWNS April)

KTWR on new 15240 for Sat/Sun EG ex-17825, G 0815 20/3; QRM from USSR in Chinese after (Don Rhodes, Vic., ADKXN)

LA ? unID, perhaps Conakry, noted on 15312.5, from 2315 FR talk and Af msk, G until 2328 on; one day 29/3 only (Ernie Behr, Ont) unknown Spanish speaker on 15312, 1800 10/4. ask, but he was airing sports event of some kind. Vy excited. After 1830, msk. Sounded African. Maybe was also Af lang; I don't know. (Chuck Oliver, Spring TX)

LRAS R Luz y Vida; 3249.6, 1/3, 2/3, 6/3, 8/3 at 0103-0415* varying to 0430; has evan- cal pgm "El Camino de la Vida"; R Five QRM around 0300 (M Canu & C Dondi & P Cacciamatta Italy, Play-DX)

MA Due to some tech difficulties, AIR SW svc from Madras "A" was closed down at 1200 9/2. Assumption will be notified later (Dinamani, Tamil edn of Indian Express via K. Kumar, Chi-aram, Tamilnadu, Asian DK Review) Listed on 4920, 7160, 9575 in 1983 WRTH (gh). AIR GOS EAs 2300-2400 9755, 0000-0115 17805. Reception reports appreciated particularly from n & Korea (Alok Das Gupta, ADKXN) & why not WNA, further on the same route? (gh) AIR EG Af 1800-2000 on 15265 noted nightly w/horrible booming modulation; hum and low to zero illigibility; 10/4, 11/4, 12/4, etc (Richard E Wood, Abha, Sa'udi Arabia)

INDONESIA RRI Biak, rarely reported, hrd on 7210.6 at 1330 (Barry Davies, AWR-DX 6/2, DSWCI) /more **INDONESIA LMI**

VoIRI, 9720, from 2230 AR pgm since 14/3; strong but irregular, often only a carrier; 22 hrd daily (Ernie Behr, Ont) VoIRI 15260, listed but not often reported, is in use;

observed 1200 w/Farsi nx 1200 // 15084 14/4 (Richard E Wood, Saudi Arabia)

IRAQ Baghdad DS, from BCing Svc of the Rep of Iraq; 24h on 21585, and: 0200-0600 9655, 0600-1330 9555 7240 7215 6095, 1330-1600 9555 7215 6095, 1600-1800 6095. All pgms one hour earlier during DST (WBI 17/3) Unclear if this also means xmsn/fq change times one hour earlier (gh) Turkmen & Syriac Pgm 1030-1600 on 3367, lang switch 1400 (WBI 17/3)

IRELAND R Dublin hrd at 0536 27/3 on 6910; EG M anc, Irish accent. Mx, mainly Beatles, John Lennon and Wings. Mx interspersed w/telephone call-ins from local listeners; 23223 until 0640 when covered by local noise (Arthur Kleiner, East Rockaway NY, 1/4) Nova Radio, Dublin, ID & Nx 5/4 0400 on 4905 (L. Villari, Italy, Play-DK) Must be 6th harmonic of 818 (Dario Monferini, Play-DK ed.)

ISRAEL Per Ha'aretz newspaper 15/3, IBA approved re-sked plan for V of Israel, involving splitting up DS Net-A on 1/5 into V of Music (Hebrew: Qol Hamusiq) and the Talk Network. VOM'll be classical mx on FM stereo 0400-2300. Split of Net-A'd enable addl bcs to be added for new immigrants in langs not previously catered for, such as SP for those from SAM, and (Yatati) Bukhari for immigrants from Georgia (WBI 17/3)

ITALY LMI

JAPAN Per Kyodo nx agcy 15/3, a committee for research & study on intl bcng, which'd been established by Ministry of P & T to look into Japan's overseas bcng svc, 'd recommended to Min that giganey be spent to reinforce facilities for Japans overseas SWBC svc. Said output should be up-graded and more relay stns established overseas. Present R Japan ES xmtrs are 12, max power 100 kW. Because outdated, bcs too weak to reach some distant areas. It was, therefore, recommended that Yamata xmtr stn should have four 300 kW xmtrs and four 100 kW; their installation might cost about 50 megadollars, while another 15.1 M\$ per year'd be needed to cover operating costs. In addn to Portugal relay now used, should be simlars in Cam, Af, SWAs (WBI 17/3)

KASHMIR AZAD LMI

JORDAN Amman continues to drift--ID & AR nx 1400 on 11923.8 25/3. (Richard E Wood, SA) 11923.8 1400 ID, AR nx, mx to 1500* daily; but 17/3 hrd to 1519*; no Omdurman (Behr, Ont)

KENYA 10/3, VOK quoted MInfoBC that xmtr UC in Nyanza prov'd improve reception in Trans Nzoia and West Pokot districts when commissioned this Aug. "Nairobi Times" 12/3 report quoted him that VOK xmtr being built in Yala (Siaya dist) was expected to be commissioned before yearend. Stn'd improve reception in W Kenya. (WBI 17/3) MW or SW?

KOREA NORTH R Pyongyang EG 1700-1850 on new 9625 1/4 (Richard E Wood, Sa'udi Arabia)

LAOS [Cf first item under VIETNAM, Apr LW] Report of Ha Bac was an error, says Yasuyuki; was in fact Houa Phan, drifting from 4656 to 4646 (APXN) More, LMI

LEBANON Christian evang V of Hope radio stn reported 9/3 that the Middle East TV bldg in 'Free Lebanon' was damaged by explosion. Earlier V of Israel report same day described the stn as the V of Hope TV stn and said its equipment badly damaged (WBI 17/3) High Adventure's V of Hope had built the stn and operated it a while, then supposedly gave it to CBN (gh)

R Lebanon DS, Beirut, main pgm in AR 0400-2330, SW usage: 0400-0805 5980. 1000-1605 on 9545. 1620-1805 5980. (WBI 17/3) Beirut 9545 remains active, AR nx 1300 7/4 (Wood, SA)

LIBERIA ELWA 11830 Hausa 1830, ID, request report to Jos [Nigeria], then EG ID and into Ibo 12/4 (Richard E Wood, Sa'udi Arabia)

LIBYA Libyan R EG svc continues hrd on 11815, 2200-2400, ID as "R Jamahiriyah, voice of the Socialist People's Libyan Arab Jamahiriyah" (WBI 17/3) With effect from early hours of 22/3, SPLAJBC has been anncng its AR-lang ES as the V of the Greater Arab Homeland (Arabic: Sawt al-Watan al-Arabi al-Kabir) - adding the word "greater" to the former title (WBI 31/3) Following intro of summer time in Libya 1/4, bcs from SPLAJBC are hrd one hour earlier than previously (WBI 7/4)

MADAGASCAR R Madagasikara, 29/1 0500-0510 vern, talk, local mx on 6131.7, 34433 (Vashek Kofinek, South Africa, DSWCI) see also PAKISTAN

MAURITANIA LMI

MEXICO Recent report of XEUJ Linares on 5982 reminded me of my weak uID on 5981.7, hrd w/march to 0312* 19/11/81 only (Cf Mar 82 LN-29 under Guyana) (Ernie Behr, Ont) Terrible harmonic of XEW on 15135-15142, 1965 8/4 (Chuck Oliver, Spring TX) Not harmonic; spur or off-frequency from 15160/15176 (gh)

MONACO From 27/3, TWR EG: Wed & Thu 0530-0545 on 11760; 0625-0840 daily on 9495, 0840-1000 Sun on 9495; 250 kW on 11760 (Robert Chester, RA DK 27/3) 9492.5 actually (Joe Hanlon, PA)

MOROCCO R Mediterranean Intl, the commercial stn w/studios in Tangiers, recently started SW opn. But site of xmtrs is unknown. Strength here suggests very westerly location in Africa. I doubt these SW xmtrs are at Nador, where the LW 173 kHz is. Possibilities: VOA Tan-

gier, RTVM at Sebaa Aaioun, Spanish Radio xmtrs at Tenerife, Canary Islands, VOA Monrovia. Or, perhaps, something quite new (Bob Padula, ADXN) Two spare xmtrs at Tenerife not used all the time (ibid.) Think VOA-Tan most likely; of concern to country-counters (gh)

MOZAMBIQUE RM on 11818 w/PT mx 1700 1/4 (Richard E Wood, SA) also see BANGLADESH (gh) Sked from R Moz: Emissao Nacional, Maputo: 3210 0255-0430, 1700-2215 100 kW; 4865 0255-0530, 1900-2215 25 kW; 6115 0255-0700, 1600-2215 25 kW; 7240 0255-1745 100 kW; 9620 (actually 9618 .9) 0330-2200 120 kW; 11820 (hrd on 11818) 0400-1100 120 kW (they forgot something here, also hrd in eves at least to 1900 --Finn Krone); 15295 0445-1645 100 kW. Emissao Interprovincial de Maputo e Gaza: 3338 0255-0430 10 kW; 4925 0255-0600, 1700-2215 7.5 kW; 7110 0430-2215 10 kW; 9525 0445-1600 25 kW (Jens Prost, WRTH, via AWR DX 6/2 via DSWCI March)

R Mozambique, Maputo DS, Natl Pgm in PT, on nom fqs, varying considerably: 15295 11820 9620 7240 6115 4865 3210 at 0255-2212. Maputo & Gaza Interprov Pgm on nom varying 9525 7110 4925 3345 0255-2212 in PT & Tsonga, w/PT mx relayed from Natl Pgm. Provincial stns, nom fqs only, considerably varying: Beira, Sofala Province, A pgm 6025 3370; B pgm 9635 6090 3280. Nampula 7255 4985/4820 3366. Pemba, Capa Delgado Prov 7150 4875. Quelimane, Zambesia Prov 7145 4895 3210; these stns may relay certain Natl Pgm mx (WBI 31/3)

NEPAL R Nepal, Kathmandu, DS & ES in Nepali exc EG mx 0220-0230 & ES in EG to India 1435-1530 incl 1450-1505 mx: 0020-0350, 0720-1050, 1150-1720 on 9590 & 5005. Nepali mx 0120-0135, 0850-0900, 1250-1300, 1350-1405, 1620-1635 (WBI 7/4)

/more, LMI

NETHERLANDS Attention! Dutch pirate on 3227 20/3 0328, 2 x 1613, excellent (Claudio Dondi et al., Play-DX, Italy) Jan 81 FRENDR mentions Media Network testing SWL & DXing computer pgms. How can I get these for my PET? (Dan Miller, Plover WI) On paper from Media Network(gh)

NEW ZEALAND Pirate R. Freedom planned spl SW xmsn from North Island for League members, Sat 23/4 & Sun 24/4 using ID as ZFFF Radio Star, around 7400 kHz, 0700-0900, local pgming and re-bcs of prominent overseas hobby pirates, incl R Apollo UK, and R CBN Sydney (Bryan Clark, NZ DX Times) As notified in advance on RGI; anyone in NAM succeed? (gh) RNZ is considering augmenting SW svc to Pac with high-power MW, most likely north of Auckland w/clear sea path to whole Pac; 250 or 500 kW; pgms provided by Maori & Island BCing Unit at Papatoetoe in Auckland in various Pac island langs. Clearer fq would be 909 kHz; during darkness would blanket entire Pacific and reach rim continents (David Ricquish, apparently based on a 1980 Fijian publication by Lasarusu Vusoniwailala, NZDXT Mar-Apr) Hopa not April Fool item; in any event only a proposal (gh)

NICARAGUA LV de Nicaragua hrd on new 11714.2 since 28/3, from 2245 nothing but IS & SP IDs to 2330, weak mod & QRM; 29/3 from 2130 w/SP mx & pop mx, gone before 2330; mxtr seems v. low power & not hrd following days (Ernie Behr, Ont, 4/4)

PAKISTAN EG mx 0230-0245 from R Pakistan now on 21475, ex-21755; severe QRMoscow; also on 21595 17840 (Philip Harrison, RA DX 10/4) R Pak on 21445 *1215 AR, new fq in ham band: strong 19/3 (Peter Bunn, ADXN) R Pak seems to have dropped EG mx contained in 1000-1045 Indo & 1630-1730 Turkish svcs (WBI 7/4) RP Urdu 1345 on 9425 //9462.5, 25/3 (Richard E Wood, Saudi Arabia) Report of an African stn on 6132v from 1310 is more likely Pakistan; in Nov 80, Islamabad was here daily, from 1300 Urdu, 1345 EG mx; varied 6132-6136 (Ernie Behr, Ont) LMI

PERU R Huanta, 4754.7, often strong from 1045 w/Quechua msgs & mx to 1130; Huanta is in Ayacucho Dept, not Junin. R Arequipa, 5949.2, hrd w/clear ID 0100 29/3, better than in morning from 1100. R America noted back on 6009.5 from 1100, strong & clear 28/3; was distorted on 5935v since 12/3 (Ernie Behr, Ont) LV del Altiplano, Puno, 5815, 1020-1043 VP w/ute; 3/4 and often late in March; OA folklore & OM tlc in SP; ads for Inca Kola, per info from Murao. Tnx Sasaki & Yoshida in Iwate, northern Japan (T Inoue, R Nuevo Mundo) Same, tent 28/3 1131-1140+ (T Murao, ibid.) R La Cronica, Lima, obs 1/3 on 9520; 1200-1300 relayed mx pgm in conjunxion w/R Nacional. Pgm also bc simulat by 21 stns of Peruvian R-TV's Red and White net (WBI 17/3) French mx agcy AFP reported 8 members of pro-Maoist Shining Path org'd temporarily taken over diocesan radio stn Onda Azul in Puno (1.3 megameters SE Lima). Anti-govt slogans and call for armed struggle were bc (WBI 31/3) AFP reported that R Melodia (ed. note: on 5995 and 1220), Arequipa, a megameter S of Lima, stated 2/4 that 5 members of Shining Path'd occupied the stn and bc msg calling on people to join the S.P. guerrillas in fight against security forces in Ayacucho Dept (WBI 14/4) An anonymous friend in contact w/ business friends in Peru reports that in the region of Huancavelica and Huancayo, Radio Andina-land, the guerrillas have interrupted communications since Feb; it's useless to send letters to this area (Mister X, Play-DX, Italy, 14/3)

PHILIPPINES Radio One, DUB4, in EG, ID 4/2, 5/2, 6/2, 7/2, 8/2 at 2200/2300 on 3285.9, hrd in Sweden (SWB via Play-DX)

PORTUGAL RFE, 25665, in Polish from 1500; R Liberty, 25690, same time in Russian; both at same strong level 9/3, but not hrd since; what are the listed mxtr powers? (Ernie Behr, Ont) 30 and 250 kW resp. 25665 was for March only; 25690 still traced here 24/4 (gh)

WDF *1400 in PT to India 7/4, mixed RFI on 21645, poor choice (Richard E Wood, Saudi Arabia)
In Jan, WBI mentd an irregular mx svc, "Seven Continents Svc". I asked Winnie Almeida about this, hrd at 1405-1800 on 9740, 15190, 21700. Answer is that this has been on the air for years and is called the 'neutral mx pgm', daily except Sat/Sun when feature pgms are aired. Reason: the Port P&T has required R Portugal to use a certain number of hours each week --more than they need in fact, so this is a 'fill-in' pgm. Beams are Eu & Bz1 (Finn Krone, AWR DX 6/2 via BSWCI) more, LMI

QATAR R Qatar noted on new, excellent 21525 w/phone-in show in AR 0945-1000 31/3 (Wood, SA) QBS SW sked since 13/3 as amended: 0245-0700 15395, 0900-1300 21525, 1300-1730 17910, 1730-2130 15595. In addn to 9570 thruout (WBI 24/3 & 31/3)

ROMANIA Bucharest, new fq in EG 15/3 to Pac *0645-0715* is 21500 (Tarry Robinson & Bob Padula, Vic., ADKN) A further xmsn by R Bucharest in Romanian for seamen has been traced on Sundays, 0715-0810 on 17850 & 17790 (WBI 31/3)

SA'UDI ARABIA BSKSA AR nx 2000 noted on 5783, 7250, 7290, 9720, 9885, 11870, 15060 //many MW. 2240 and 2350 kHz not then noted, but local T-storms produced HNL on that band, 3/4. Also in AR 8/4 1330-1400 on 7213 //7290 (Richard E Wood, Sa'udi Arabia) BSKSA 23/1 1725 on 11949 // 15060 in AR, QEM de USSR 11950 (Finn Krone, Denmark, DSWCI) SCOTLAND LMI

SENEGAL 4890 in FR/Vern *0558-0645, in vry well most nights. "Cora" instl IS to hour, full ID and fq given, time pips, nx, Koran, into vern (Greg Ravenhorst, MN, late March) QSL card rxd for report on 4890 lists power as 100 kW, not 25 as in WRTH. Also gives other fqs, nets and powers [SW portion here]: National Scene I: 11895 100 kW, 7210 100, 4950 power not given; National Scene II: 7170 100 kW, 4890 100 kW. Net IV, Ziguinchor, 6070 4 kW 3336 4. Net VI Tambacounda, 6045 4 kW, 3356 4 kW (Christos Rigas, Chicago IL) UNID of the month: 26/3 on 4725 stumbled across sig at 2310, definitely Af, hrd to 0100*, FR, SIO 353; mostly Afro hili-fe mx, anmts by man w/out IDs. Not hrd again the checked next 4 days; unusually late s/off time for Af, so probably far west--Guinea? Mali? (not Mauritania, not same NA) (Nolan Stephany, Williamson NY) I couldn't pull an ID from your tape either, but Steve Rabinstein--see May RIB--believes this was Sene'gal, off 4890 this day only for some reason. Should be easy to confirm by comparing NAs (gh)

SEYCHELLES FEBA 1445-1459* 29/1 mx on 15322v (Bent Busborg, Sarawak, BSWCI) Has been sked on both 15320 and 15325 in past, so splitting the difference? (gh)

SINGAPORE BBC FE Relay noted w/WS *1600-1830* on new 15225, 12/4 (Richard E Wood, SA)

SOMALIA R Mogadishu back on 6790, G 17/4 0305 w/koran reading (Christos Rigas, Chicago IL) Is DS in Somali, 0300-0500 (but Fri 0400-0600), 0900-2100. R Hargeisa is on 7120 & 1341 at 1500-1802: 1500 opening anmts, 1512-1525 occasional talk/feature; 1530-1545 regional hsk and w-bc of 1400-1415 R Mogadishu nx, 1700-1710 relay R Mog nx, 1800-1802 closing anmts (WBI 24/3) R Mogadishu ES all on 6095: 0900 AFar, 1000 AFar, 1030 FR, 1100 EG, 1130 IT, 1200 cland xmsns in Somali, Oromo, Sidamo? by V of Western Somali & Somali Abo Libn Fronts; 1330 Amharic, 1430 Oromo, 1530 Swahili, 1630 Arabic, 1830 AR cland V of the Popular Front for the Libn of Eritrea, 1930-2100 Oromo, Somali, Arabic from cland V of the Western Somali & Somali Abo Libn Fronts (WBI 17/3)

SOUTH AFRICA R RSA reported 31/3 it now bcs in 11 langs to Af, ME, WEu, UK, US, Canada, SAM --SABC annual report tabled in parliament showed for second successive year listeners'd writ ten more than 10 myrialetters. A common feature was appreciation of 'balanced and objective info which they said enabled 'em to make a more accurate assessment of southern Af affairs. Said their own media gave inadequate and one-sided coverage of events in sAf (WBI 7/4) DT 1700-1757 on 21530, possible move from 21535, 1/4 (Wood, SA)

SPAIN REE Spanish noted around 1800 on 17660, 17720, 17890, 3/4 (Richard E Wood, Saudi A)

SWEDEN R Sweden Intl J83 to NAM in EG called for: 1400-1430 on 17790; 2300-2330 on 15270 & 11705; 0230-0300 on 15420 & 11705. However, 15270, already in use in April was replaced by former 9695, and 17790 was adopted already by mid-April ex-21615; 17790 mixes BBC (gh)

TAHITI R Tahiti, 6135v & 11825, hrd to 1300/ for 3 or 4 days since 10/3, probably 24h; spec' al occasion? (Behr, Ont) Seems probable that R Tahiti's extended xmsns were as an emergency precaution due to cyclone threat to the Islands; as of 14/3, FR3 stns on 6135 9750 11825 and 15170 back to normal hours (Matthew Francis, Tasmania, ADKN) R Tahiti, 15170.5, hrd w/pop mx in FR 2100 3/4 (Richard E Wood, Sa'udi Arabia)

TAIWAN WOPC bcs on 7130 w/FS pgms while simultaneously xmtng WYFR pgm in Standard CH! This ultimate example of the wacky world of fq management can be found every morning around 1400 or so; 7130 WOPC goes off at 1610 while the WYFR relay via Taiwan on 7129 goes thru to 1620* Decidedly odd arrangement (Bob Hill, USA, via ADKN April, Australia)

TANZANIA RR, Dar-es-Salaam, noted on 9604 w/SH tank 1400 1/4 (Richard E Wood, Saudi Arabia)

THAILAND Increased strength of RT 9655 confirms Eu reports in RNNH that it appears to be using the reported new 250 kW xmtr. Noted ending Malay, then EG ID and into JP 1400 1/4. Should make this country easy for DXers everywhere (Richard E Wood, Saudi Arabia)

TURKEY TRT reported that as from 2/4, VOT ES'd incr bcs from 64 to 80 hpd. VOT xmtr power 'd incr from 750 to 1750 kW when new xmtrs, inaugurated by Pres in Feb, became opl 2/4. TK-lang bcs'd incr from 48 to 57 hpd, from 14 to 23 hpd. (Possibly xmtr usage hours, not being output) (WBI 7/4) VOT noted for first time with a commercial in TK, for Bank of Turkey, 1215 on 17885 (mixed BBC) // 15220. 15220 now seems in use for most of the day, noted in TK badly mixed w/RM Talata in EG 2030-2130; 7/4 (Richard E Wood, Saudi Arabia) As implied in Apr LN, VOT has started EG 0300-0400 on 11740 & 17760; also at 2200-2300 on same two, 500 kW each; but 11740 blocked by VOA from 2210 M-F (gh)

U S S R R Yerevan, 9795, from 2130 w/IS & Armenian pgm, vy strong 23/3; from 2200 RM ES pgm --this fq was listed as actual Yerevan site in 1981 UHN (Behr, Ont)

On 1/4, R Moscow introed new FR-lang svc, "R Moscow International". Doesn't use std 'Moscow Belle' ES sig tune, but opening bars of Russian tradl song "Katyusha", then Kreml chimes. RMI bcs full nx on hour, summary on half hour. New svc has vy similar format to EG RWS. RMI on air 0400-0600 & 1600-2100, to Eu & Af (incl NAF). But 1730-1800 & 1930-2000 divides into 3 separate regional svcs, for Af, the Maghreb (NAF), and for France & Belgium. Represents total daily output in FR of 9 hours. Before 1/4, RM three separate FR svcs amounted to 7 h per day--3 for Af, 3 for P&B, 1 for Maghreb. Since late eve 31/3, all RM xmns to NAM have been hrd onehour earlier than previously. Bcs to Eu also genly hrd one hour earlier. IT slightly reorganized, no change in output, but 3 one-hour pgms at 1700, 1900 and 2000. RM Eu FT svc cut by one 30-min bc, now only 2000-2100 & 2100-2200. As for xmns to ME & Af, RM now bcs Persian 1100-1130, 1500-1530, 1700-1800, 1800-1900. Morning xmns to ME/Af now: 0300 SH, 0345 PT, 0400 AR, 0430 SH, 0445 PT, 0500 Hausa -0530. RS Peace & Progress GM 2000-2300, EG Af 1830-1900 since 1/4.. In addn to generally moving xmns one hour earlier, R Kiev retired some bcs--Eu GM 1600-1630, EG 1800-1830 on i.a. 7260 6020 (WBI 7/4)

Ufa, Bashkir ASSR on 4485 has these local pgms weekdays; at other times carries First Pgm from Moscow, Orbica-4 version. 0215-0300: 0215-0218 open amnts, vx in Bash & RS; 0218-0223 Republican press review in ES & Bash; 0256-0300 pgm pvw in RS. 0325-0340 local amnts (city network [MW 6937] only. 0340-0400 & 0800-0900 local pgms. 1300-1340 local pgms incl 1300-1315 nx in Bashkir; 1415-1530 ditto incl 1500-1515 Nx in RS (WBI 7/4) During summer time in the USSR, all pgms will be hrd one hour earlier than shown (ibid.) i.e., since 1/4 (gh) Tallinn ES & DS now on 5925 ex-6085 (WBI 24/3)

U A E Dubai excellent 0700 in AR on 21700 8/4 (Wood, SA) And also E 1615 in EG 21655 (gh)

U-K O G B A N I After many years on 17830 for Sackville relay, BBC WS J83 moves to 9515 at 1600-1709 (weekends 1500-1745), still //15260. 17830 may now be open for Switzerland, EG at 1530. BBC Af alternative, 1600-1745, formerly VG off the back of Ascension on 21470, now sked on 17755; I never had much luck w/Ascension on 16m, but maybe condx different now (gh) Waveguide plans a report on the EDXC Conference in London, 30/5 0915, 31/5 0100, 1/6 0430 & 1735 (London Calling)

U S A World of Radio is now scheduled on two new WRNO frequencies--GMT Sunday 0230-0300 on 9705, and 2330-2400 on 11855. For J83, WRNO also planned to remain on a noon-to-midnight CT schedule, entailing a one-hour shift in GMT: 1700-2000 15420, 2000-2200 17775, 2200-0100 11855, 0100-0300 9705, 0300-0500 6185. Sundays only continuing on 6185 to 1000, 9715 1000-1300, 11940 1300-1500, 15140 1500-1700 (gh)

VOA seems to have redefined the meaning of 'J83' per its frequency schedule for 27/3/83-26/9/83. Some VOA pgms were retired 27/3 in keeping with DST in Europe, and it's more convenient to make major revisions twice a year instead of four times. Still, I would expect some revision to take place 1/5. AFRTS sked extracted from that:

6030 0040-0700 & 0840-1300. 9530 0845-1100. 9590 0840-1100. 9700 0940-1900. 11805 at 0940-2100. 15330 1040-0200, 0430-0700. 15345 1700-2300. 15430 1040-0100. 17765 1600-0700. 21570.1800-0330. 25615 2200-0200 (US sites only). Actually, I suspect this merges some M83 and J83 usage, as 25615 and 17765 in the past have been mutually exclusive; also 11805 and 21570. This sked also omits such well-established out-of-band fqs for VOA as 21840, 17640, 15600, 15580 (gh)

WYFR noted on new 21465 with Italian sermon 1830-1900* // 21525, which then continued in Portuguese. Will be understood by the many Italian-speaking Somalis in this area. Booming signal 29/3 (Richard E Wood, Abha, Sa'udi Arabia) SNC, LMI

Harmonic of WTNJ, Trenton NJ, logged on 2600 kHz at 2300 10/3 (SWNS HQ, Ridgeway Ont)

VANUATU LMI

VATICAN VR in French 1915 and EG 1930 (summer timechanges from 2015 & 2030) on new 6252, hcting Malabo 6250, // 9645 29/3 (Richard E Wood, SA) VR's OOB 48m channel changed from 6210 to 6252 after several weeks of trying other channels around 6.2 MHz (WBI 14/4)

VENEZUELA R Nacional BS, Caracas SF Lam on 1240 kHz and: 01-02 & 03-04 9530; 11-12 & 13-19

on 11695. This svc was inaugurated on 29/7/82 (WBI 7/4) R 980, El Tigre, on 3255.9 26/1 at 2330-0320 (Richard Greenwood, Jamaica & Marc Decock, Belgium, March DSWCI SW News)

VIETNAM VOV ES replaced 12020 with 15010 1100-1430 & 1600-2300 (WBI 17/3)

WBI

YEMEN NORTH Radio Sana'a has replaced 7265 by 6140 for DS in AR; also on 9780 4852 (24/3) Sana'a 9780 is varying, but only slightly. Noted on 9779 at 1400, hetting Moscow 9780 25/3 (Richard E Wood, Saudi Arabia)

YEMEN SOUTH Aden 11770v is drifting slightly, noted mostly on 11769 around 1200-1400 //6005; 8/4, 14/4 (Richard E Wood, Saudi Arabia)

YUGOSLAVIA Since intro of summer time for first time in Yugoslavia 27/3, ES bec hrd one hour earlier than previously (WBI 31/3) So e.g. EG at 2115-2130 instead of 2215-2230, on 9620; no help here by doing that (gh) Serbia, DS, Belgrade, R Belgrade First Pgm 1400-2305 on 9505 & 7200 in S-C; one hour earlier during DST (WBI 14/4)

ZAIRE R Lubumbashi, La Voix du Zaire, hrd on 7205 20/3 *0315, FR ID, G (M Puccetti, Italy, Play-DX)

ZAMBIA LMI

CLANDESTINE CRANNY La Voz de la Libertad, another Nicaraguan clandestine or a new name for an old one, definitely with that ID at t/in. just before s/off 0236 6/4 on apx 6890--no time to measure and not hrd since. Tax Chris Bagge in MA for tip (gh)

La Voz de Nicaragua Libre & La Voz de Sandino VOFN now hrd on 6224, instead of between 5680 and 5750, from same xmtr which carries V of Sandino. Obs over past 10 days show both stns' bc times somewhat erratic. VOS now 2300-2400, 0325-0425/0403-0511, 1054-1154/1114-1222. VOFN hrd 0010-0110/0030-0130, 0430-0530, 1152-1257/1225-1319. However, 15/3 VOFN hrd being in 1110-1210 period stead VOS. Also same day VOS hrd including EG segment 0355-0402. This included a claim that stn was being "from the high mountains in the countryside" (WBI 24/3) LV de Nic Libre, 6224, hrd 17/3 *0307 w/NA, SP & Miskito talks to 0357*; LV de Sandino continued on same fq from *0403 in SP & EG to 0512*; both vy strong, using full carrier USB. The three USB xmtrs of LV de Sandino, LV de Nic Libre and R Miskus have apparently been reshuffled; in Jan 83 each stn was using a separate USB xmtr; in Feb or March LV de S began sharing same xmtr w/LV de Nic Libre, which has since disappeared & so has R Miskus; I suspect the two missing xmtrs are now operating as the Music Jammer on 6210v & the "new" R 15 de Sept on 6510, both of which are using full carrier USB; anyone agree w/this theory? (Ernie Behr, Ont, 4/4) Christian Science Monitor article mentions that in late March the Cog to Rican govt returned one xmtr to Nic cland forces which it had temporarily confiscated. This correlates nicely with obs above and below (via Ken Macharg, RIB) These two stns ceased to bc one after th'other on the same fq 23/3. V of S now 0000-0100 & 0400-0500 on 6220; VOFN 0000-0045 & 0400-0445 on 5750 (WBI 7/4) As of 27/3, the ARDE affiliated stns had two xmtrs in opn again: at 0425 LV de Nic Libre was somewhere around 5800 and LV de Sandino on 6220a. Similar reception almost nightly since, incl 12/4 (SWNS) LV de Nic Libre on 5750 17/4 0406 in SP, intense politalk, police car sirens, trumpet fanfares, ID. LV de Sandino on 6221 17/4 0411 in SP; at first I thought it was LV de Nic Libre because they used the same police car sirens, but 0415 ID by screaming woman as "Atención...LV de Sandino" (Christos Rigas, Chicago IL)

R 15 de Setiembre, hostile to Nic govt, now on 6510 instead of 6800-6900; also on 7000 & 5565.3; xmns start at 0230, 0500, 1130 (WBI 17/3) 6510 hrd 0230-0415* & 0500-0636* w/SP relig pgms 2/4, much stronger than old 5565 & 7000, which were obliterated by jammers (Behr) On 6900 // 5565 in SP 17/4 0543-0559* on both with anthem (Christos Rigas, IL) A NY Times story in the 4/4 Globe & Mail in part: "A Honduran who was directly involved in planning US covert activities reports that the US has been giving intelligence assistance and military advice to Honduras to forces fighting the Sandinista govt in Nicaragua...according to the Honduran the contras' military plan calls for them to gain control of either Jinotega, in NW Nic, or Puerto Cabezas, and then install provisional govt. Hond military had plans to airlift supplies, troops and provisional govt leaders into either city." R 15 is of course the offl voice of this operation (SWNS)

R Miskus This stn not traced since 24/2 (WBI 24/3) But reported again in April by Reinstein, DKSF (gh) By the way, don't confuse with Radio Moscow in Spanish, "Radio Moscú" (gh)

R Guazapa, LV de Cuscatlan, hrd regularly since 18/3, but fq varies daily, anywhere from 9820 to 9880; time varies *0131-0150*, 0135-0205*; during 18-min bc 25/3 jumped 8 times between 9850/9830/9820; now stays on one fq for entire bc; 29/3 GMT on 9850, 1/4 on 9875, 2/4 on 9848, 3/4 on 9828; sked fits in neatly between R Venceremos xmns at 0030-0115 & 0230-0340 on 6206v; both very strong, perhaps using one hi-power xmtr; regular daily opn from El Salvador site seems very unlikely; is it a coincidence that LV de Nicaragua disappeared from 5955 shortly before R Venceremos opened on 6210v in Jan? (Ernie Behr, Kenora, Ont, 4/4)

La Voz del CID verified my reports of 11700, 7465, 5106 and 4980, for prepared cards and SASE. Address used was P O Box 60226, Chicago IL 60626. Unreadable v/s (Christos Rigas, ibid.) LV del CID via R Clarin 11700 replied in 36 days, no IRCs sent, letter rxd from Delegación de Costa Rica, Apartado 5557, San José, 1000 CR; v/s Bernardo Morell; report was mailed from Miami Beach (V de Tomasi, Italy, Play-DK) LV del CID, location?, cassette ID test repeated many times 0555 11/3 on 4929, F (Claudio Dondi, Play-DK) When LV del CID's new 0300-0515v xmsn was first noted 8/3 it seemed to be nearer 7405 than 7400 but since then has zero beat the latter, obviously taking advantage of the fact VOA uses 7400 prior to 0300 (SWNS HQ, Ont)

Spy Numbers unID stn in Portuguese 12/3 1800 on 3215, spy numbers, QRM 3710, F (F L Galligro, Udine, Italy, Play-DK)

National Radio of the Saharan Arab Democratic Republic continues hrd on 1390 kHz, 12/3 in AM to 2150* apx; last reported by us in March 1980 (WBI 17/3)

R Bardai, LV de la Libération du Tchad, 6009 28/3 1831-1845 in AR, run by Col Gheddoufi's troops; QRM from Belgium 6010 & R Moscow in EG, F (A Groppezzi, Italy, Play-DK)

V of Namibia An smt in the VON svc bc by VORE 1900-1930 on 9595 16/3 said that in addn to mx & commentaries in EG, VON'd henceforth be being in Lozi & Herero. Mx & com in Lozi Mon & Fri; Herero Tue & Fri (WBI 24/3)

R Truth At 0500 10/3 stn called this hrd carrying out test xmsn w/anmts in EG 6010. Lasted 20 mins, contained IS of repeated bird calls; referred to xmsn at 1700 on 6010 in either Shona or Ndebele (WBI 17/3) Still testing on 6010; EG 0430; opens w/anmts in Shona & Ndebele at 1700, confirmed (WBI 24/3) Hrd being its first contry during 0430 EG xmsn 25/3, critical of govt of Pres Mugabe of Zimbabwe (WBI 31/3)

V of the Resistance of the Black Cockerel [A Voz da Resistência do Galo Negro], in PT & Ang verns supporting Savimbi and UNITA mvmt, continues hrd on 4950; 0430-0630 hrd M/W/F only. Anmts indicate eve xmsn too; first obs early 1979 (WBI 31/3) 4/1/79. PT & verns at 0430-0630 & 1730-1930 on 4950 (WBI 7/4) 1730-1930 is Tue/Thu/Sun, repeated next day 0430-0630 (WBI 14/4)

V of the Broad Masses of Eritrea, 14334, 29/1 0435-0445 local mx & talks, presumed, in Eritrean, 25433 (Vashek Korinek, RSA, DSWCI) Harmonic of 7167! (Finn Krone, DSWCI) Sure? (gh) On 20/3 hrd 1430-1630 in AR, Tigrigna, Tigre and Amharic on 14340, 7431, 3770 (WBI 24/3) Must be one of these langs instead of "Eritrean" (gh) Verie rxd from Sudan; had reported to Info & Propagande Dept, R V of the Broad Masses of Eritrea, EPLF Base Area, Eritrea, via the Eritrean Relief Comctty [sic], Holland. Sked: Tigrigna daily 0700-0730, 1800-1830, 2100-2130; Tigre daily 0730-0800, 1830-1900, 2130-2200; Afaar M/W/F/Sat 0800-0830, 1900-1930, 2200-2230; Amharic Sun/Tue/Wed same times as Afaar; Arabic 0830-0900, 1930-2000, 2230-2300. Fqs were given as 3760, 7450, 9950, 14340 (Michel Schaay via Gordon Darling, DSWCI) Sorry, times are local, not GMT! (Finn Krone, AWR DK 27/2 via DSWCI)

V of the Popular Front for the Liberation of Eritrea, on 6095, 1830-1930 Tigrigna; 1900-1930 Amharic (or Arabic). At other times the xtr carries R Mogadishu ES and V of the Western Somali and Somali Abo Liberation Fronts (WBI 31/3) See also SOMALIA

V of Arab Lebanon Tho obs on 6204 since 7/1, hrd ancing in AR 1730 20/3 the "start of an experimental long-range xmsn thru which the V of Arab Lebanon 'd cover wide areas of the world on a SW of 49m or 6204 kHz, beamed to the Arab states, NAf, Eu, America". Fq in addn to 320m MW (930 kHz) (WBI 24/3)

V of Palestine, V of the Palestine Revolution Jordanian npxpaper 'Ad-Dustur' reported 4/4 that PLO bc from Baghdad had changed to 1500-1600 (Ed Note: due to Iraq change to summer time 1/4). 'Ad-Dustur' also said PLO's Radio Director was currently in touch w/the competent Iraqi authorities with a view to extending the xmsn period by half an hour (WBI 7/4) Since 9/4, PLO-controlled VOPVOPR pgm on 1035 kHz bc 1700-1800 ex-1500-1600. Similar pgm controlled by Iraqi radio is at 1600-1700 on 9555 and 1035. R Monte Carlo AR svc via Cyprus, reported 10/4 that the Dir of PLO Radio in Baghdad 'd dismissed reports that the radio'd been closed. Said there'd been changes but they only affected xmsn time. PLO Radio Dir added that the Iraqi govt'd decided to expand the radio's xmsn time w/in the next few days (WBI 14/4)

Bizin Radio (Our Radio) 1/4, V of Communist Party of Turkey said its sister stn Our Radio 'd begun bcs exactly 25 years previously on 1/4/58 (WBI 14/4)

V of the Iraqi People Tho hadn't been traced for several months, this stn which bcs Iraqi Communist Party material, hrd again 31/3. Still 1600-1630 in AR, 1630-1700 Kurdish on 7860 (WBI 7/4)

V of the Mojahedin-e Khalq, hostile to Khomayni and Iranian govt, hrd 6/3 varying between

6577 and 6590. Hrd between 1755 and 1900, but precise xmsn couldn't be established due to QRM of high-speed morse-type signal (WBI 17/3)

Kawthulay Radio Per 15/3 'Democracy Journal', published by the People's Patriotic Party, a ceremony was held at the Karen Natl Union (KNU) HQ 1/2 to inaugurate a radio stn which'd bc to the Burmese people. After a one week trial period, stn'd begun regular pgms 8/2. KNU bcs could be hrd every Tue & Fri 0330-0530. Was regularly in Burmese, Sgaw Karen and in two Pwo Karen dialects "on 31m close to the pgms of the Burma BCing Svc" (9730). Stn calling itself "Kawthulay Radio - the radio stn of the KNU HQ" (Burmese: Kawthulay Athan Hlwint Htana) was found at 0340 29/3 on 9775. Anmts gave sked as: 0330-0400 Sgaw Karen, 0400-0430 Two Karen, 0430-0500 Burmese--all Tue & Fri only. Kawthulay Radio also ancd that from 5/4 (sic) it'd start EG svc. Resultantly, Burmese'd be hrd only on Tues (sic). Burmese on Fri (sic) 'd be replaced by the new EG xmsn (WBI 31/3) (& 7/4) more, LMI & V of Burmese People

V of the Malayan Democracy This stn not hrd on 8998 or 6670 since 11/3 (WBI 17/3) Traced again per sked on 8998 & 6670 (WBI 24/3) Monitoring survey after its brief unexplained absence shows continues to op on 8998 & 6670 as follows: 0400-0445 & 1215-1300 Malay; 0445-0515 & 1300-1330 Std Chinese (WBI 31/3)

R Freedom, V of the Sri Lankan People LMI

R Tropical, 7295v, hrd 7/3, 8/3, "Voice of the Nuclear-Free Pacific" calling Pac islands w/ mx 0940; also 0836-0936 11/3 and since. Many quotes from "Pacific Magazine" (Steven Greenyer, Invercargill, and Cecil Symmes, Wellington, NZ DX Times) R Tropicana now being hrd on about 7956, early and mid evenings. In EG w/MDR mx, ancrs have trace of FR accent. Location unknown, but believed to be in New Caledonia/Vanuatu/Solomon Islands area. Anmts mentioning New Cal hrd, along w/call for a nuclear-free zone in the Pacific (apparently later item, in NZ DX Times)

NORTH AMERICAN PIRATES WANE A new pirate on 1620 kHz, hrd 0400-0505 18/4 w/poor sigs. Apparently a political stn focusing on women's issues. Pgmng consisted of various songs by female artists (e.g. Jo-Jos, and Chrissy Hind of the Pretenders) and some very pleasant instrumental mx (seemingly American Indian in origin). Definite ID by female ancr at 0505*. Was reported on in March also, with slogan "Women Against Nuclear Blast". They'd improve coverage vastly by shifting to 1616, away from the ever-present carriers on 1620 (William J Martin, Wilmington DE)

The Crystal Ship Back on after several months' absence. Hrd 16/4 2100 on 7425 w/the Doors' "Light My Fire", YL ancr IDed, apparently reference to the Doors' song of the same name. Also hrd w/weaker sigs at *0120 18/4 on 7425. M ancr made several political comments regarding US militarism. QRM from SP SSB operators, one of whom appeared to be whistling on fq as a poor man's IS (William J Martin, Wilmington DE) Two political pirates in less than 48 hours! Who says the US pirates are mere "Kids Playing Radio"? (ibid.)

Munchkin Radio hrd on 7431a 0305-0315* 3/4 w/comedy pgm incl "Russian Bandstand," song 'Hail, Hail, the U.S. Mail' and fake bookclub ad. M ID at 0311, then sheep baaing to mx. S/off w/ R Strauss' "Also Sprach Zarathustra" and several other IDs. No mailing addr noted. QSL 'd be very much appreciated (Bob Streeter, Schenectady NY)

Radio Amity, new pirate, 0120-0320+ on 7425 4/3 LSB, moving later to 7428 LSB to avoid RTTY QRM. Voice audio was very difficult to understand, but mx levels good and clear. Op obviously knew CW as he sent "Radio Amity is on the air", which was the only way I was sure I got the proper call of this stn. Op also was trying fruitlessly to find a loop # and at one time sent in CW "Radio Amity is looking for a loop". He gave a couple of numbers which weren't working. By 0300 his audio began breaking up more. Stn was relaying FM mx from local bca because call letters and towns (NYC, Philadelphia, Atlantic City) were all hrd (Kirk Baxter, Shawnee Mission KS)

WRAM, 3/4 Easter Sunday 2325-2340* rock & roll mx, hrd on ancd fq 7700, ID about 5-6 times. SINPO 43343. Ancd "Be off air for 15 mins". Returned *0012-0055* citing xmtr problems. Rock mx nonstop w/ID at s/off. Ancd return next PM (Bruce E Lindsay, Rochester NH)

KHO, R Free Boston, 7390, in EG 0523-0531* 24/3, hard R&R. Unsure of callsgn, as I went to get a Coke and came back 5 mins later to find the cassette had committed suicide while I was gone. Threw on the headphones and just caught the s/off ID. For sure hrd the R Free Boston part, but unsure of the KHO bit (Greg Ravenhorst, MN)

KPRC and PRN LMI

KVOS, The Voice of the South, 21505, noted here completely by accident. 2245-2249 ELO mx on fq, never hrd that on pirates, so hung around. After 2249, xmtr was off, but kept listening and at 2257 xmtr came back on and hrd "If you are listening to this frequency, please stand by for a programme." Then began "Testing, testing, 1, 2, 3, 4" At 2300 started bc w/ "OK folks, this is KVOS, your DJ, K. R. Watt here today to introduce a brand new shortwave stn on the frequency of 21.505 MHz". Other DJ was Dr Fox Tango. Played ELO mx, Golden Evening, Billy Squire. Gave phone #s to call 205-473-9450 & 9552. Said to call at 0030. Was

hrd *2300-2313/ and /2328-2345/. Strong when they faded back in. Phone call yielded promise of QSL and this info: Xmr: Yaesu FT-101E, power 30 watts. Antenna halfwave dipole at a 45° angle, one end 20' off the ground, other end 5' high. Said they were completely mobile, being out of a vehicle and powering the xmr off auto batteries. Said were taking the phone calls out of a couple of phone booths. I was the first caller, and the guy was very excited about being hrd in MN. Other phone booth had to be right next door, as I could hear someone else answer the other phone as "KV08". The other phone had a call from NY. He said it was their first bc. Sig strong, but poor audio quality. 27/3 (Grag Ravenhorst, MN) The 473 exchange in the 205 area code is, appropriately, Mobile AL (gh)

K-103 Ricky Lee Henderson of Salem MD has been fined \$750 by the FCC for operating an unlicensed FM stn last Sept. Calling his stn "K-103", Henderson aired a mx format and had reportedly even prepared a rate card to solicit advertising. Henderson told FCC investigators he thought no stn license was needed so long as his broadcast tower was under 2000 feet. But the FCC found his excuse unconvincing, especially since Henderson has broadcast experience as well as First Class Radiotelephone and Amateur licenses. The Commissions' Field Operations Bureau reports that pirate stns are on the rise and promises an 'extensive effort' to shut them down and impose substantial fines." (Radio & Records, via April SWNS)

UNIDENTIFIED 9546.5 An AR pgm from 0210, hrd 19/3 only, from 0300 seems ED & mx to 0358*; vy weak and QRM DW (Ernie Behr, Ont) Lebanon?

9580 Stn playing only instr pop mx 1400-1428, then OC to 1431*; no annts and vy strong, 29/3 only (Behr)

9715 Arabic religious [Christian, Moslem, or?] Sat only, *2231 AR chts [sic], rel talk & mx to 2246*; vy strong 19/3, 26/3, 2/4; no stn ID, but ancd addr in AR & FR: B.P. 17, Nice, 06013, France (Ernie Behr, Ont) Smx of TWR unless Islamic... (gh)

LAST-MINUTE INFO **AFGHANISTAN** The low-powered 5742 which can't be more than 1 or 2 kW logged around 1545 carrying HS // 4740 3965 7200 to 1930*. 4450 is used from 1630 when V of the Homeland is over (Sarath Weerakoon, Sri Lanka, UADX) On 1/4 Kabul made changes, so here is the latest monitored sked: HS: 0125-1930 on 3965 4450 4740 from USSR, 7199 and MW from Kabul & regional centres. USSR relays on higher bands: 0125-1000 15255, 0125-0400 11730, 0430-1000 21460. ES to neighbouring countries 1000-1630 on 21460/15255. (replacing 11960/9550) and of course from Kabul 6230. Urdu 1230-1430 on 4450 6230 15255 21460. ES to Eu/ME; AR 1700-1725 15530 1825 15077. Pashto/Dari/GH/EG 1730-1930 on 9665 11755 15077. Only 15077 from Kabul, other two from USSR. EG 1000-1030 on 21460 15255 6230. (UADX)

ALGERIA "Go at English," a lang lesson w/a story, hrd at 0802 Sat on 9685 15160 15215. A vy frustrating stn to log but currently noted on 7246 9508.95 9640 and a rather odd 19370, presumably 2 x 9685 (Noel R Green, UKOGRANI, DSWCI April)

ANGOLA R Nacional, on 5468, 2200 6/2, harmonic of 1367, FR mx (Stefanek, RSA, DSWCI) & Uac. on 19070, 19/2 1705-1710, nonstop Af mx, 2 x 9535 (ibid.)

AUSTRALIA R Australia /sic/, Perth, 9607 16/2 1320-1325 political speech (Birgit Busborg, Denmark, DSWCI) Highly unusual for ABC-Perth to be off 9610. Several other items from this new reporter on offset fqs, probably believes digital readout when mistuned w/out zero-beating, an increasingly common problem. So is digital readout really an advance? (gh)

BANGLADESH *1600 on 9616.5 // 11765. Former seems to replace sked 9535. Latest IFRB registrations /and hence at least partially imaginary/: 6040 1830-1900, 6115 1315-1345, 7200 1200-1230, 7220 0230-0500, 0430-0530, 0600-1000, 1030-1730. 7275 1315-1345, 7280 1645-1715, 1715-1900. 9510 0930-1000. 9530 1315-1345, 9610 1600-1630, 9540 1645-1915, 9575 1830-1900, 9580 0600-1000, 1345-1345. 9610 1200-1230, 1400-1500. 9615 1300-1330. 9620 1315-1345 7 /sic/ 1600-1630 (Victor Gometilleka, UADX) I guess that 7 is supposed to be an ampersand (gh)

BOLIVIA New is R Cangallo, 5050, Ayacucho at 2320 (SWB via WEIN LA news, DSWCI April) May be so, but I thought this was in PERU (gh)

BOTSWANA R Botswana on 9600 ex-9590, 0940-0945 12/2 in Setswana w/local songs (Vastek Kofinek, RSA, DSWCI April)

BRAZIL R Guarujá moved slightly from 5975 to 5974.8, improving chances for hearing them (Gordon Bennett, UKOGRANI, AWR DX 6/3 via DSWCI) & poor hatted BBC

COCOS ISLANDS R. Cocos, tentative, 27/2 0058-0240 on 9641, IS?ID, mx, vernacular, new SW xmr? (Birgit Busborg, Denmark, DSWCI) Any ideas what this really is? (gh)

COLOMBIA One of the funny things w/net xmas is hearing ID for 'wrong' stn--R Palmira ID hrd thru Caracol, Neiva, 4945 20/5 0500 (Stefan Bursell, Sweden, AWR DX 6/3 via DSWCI)

I'd like to see the address of Armonías de Caquetá, 4915, Florencia (Marlin A Field, Hillsdale MI) You really cannot be completely informed without RIB, which reported this in Feb issue via Chris Lobdell; simply: Emisora Armonías del Caquetá, Florencia, Caquetá, Colombia.

CONGO RTVC, Brazzaville, 19430 1044-1049 27/2, FR talks, 2 x 9715 (Vashek Kofinek, DSWCI)

CZECHOSLOVAKIA R Praha, 2320 20/2 mx on 2466, 2 x 1233 (Michel Ravigneaux, France, DSWCI) I hope you don't get the idea that most DSWCI items concern harmonics--not at all--but they do not discriminate against them and often they are the most interesting I outpick (gh)

ECUADOR R Popular de Cuenca 4800 reversed and now s/off at 0530, ex-0700 (Bennett, AWR DX 20/3 via DSWCI SW News April) Rdif de /sic/ Tarqui hrd on new 4980 to 0601* 27/2, 6/d after mx pgm & nice ID. No NA; listed 4972--could be new fq or Tarqui took part in a co-xmtn w/ Ondas Azuayas as listed on 4980 (Stefan Bursell, Sweden, AWR DX 6/3 via DSWCI)

GABON Gabon, 25/2 0202-0215 mx, talk in FR on 12200 (Birgit Busborg, DSWCI) Which stn? Not harmonic of any known fq; neither stn usually on air at this time (gh) Why don't DSWCI editors ask these questions? (gh)

GHANA Ghana, 11/3 2220-2229 EG, new fq 11620 (Christian Fuchs, Denmark, DSWCI) What reason is there to believe this wasn't INDIA? (gh)

INDONESIA Strong stn in Sumatra on 2402 at 2315 past 2340, Warta Berita Daerah at 2330 (Victor Goonetilleke, Sri Lanka, UADX Feb/Mar) RRI Sibolga is back on 3240v +1230-1600* v; 5259 may be used daytime (Sarah Weerskoon, ibid.)

ITALY R Time has been trying 6145, 7155, 11805, probably not w/much success, and is now looking for Constitutional Court approval to use SW; if granted, may even ask ITU for offl fq allocation. Several other Italian stns vy interested in this case! (Fabrizio Magrone, Italy, March Unofficial Radio column in April DSWCI SW News)

KASHMIR AZAD Ron Howard rxd nice letter 17/3 from Yar Mohammad Khan, Engineering Manager at R Pakistan, Rawalpindi, re Azad Kashmir Radio. "Actually there are two SW xmtrs, one 100 kW at Tarar Khel, and the other 10 kW at Muzaffarabad. They relay only some pgms like Kashmiri mx from R Pak, and rest of pgms they originate themselves. Now a 3rd xmtr of 150 kW MW has been installed at Muzaffarabad. It is complete and will be commissioned very soon." (UADX)

LAOS FS hrd w/good mod & increased strength *1130-1400v* w/EG 1320+ on 7020v (Sarah Weerskoon, Sri Lanka, UADX)

MAURITANIA On 4830, drift from 4855 20/2 only, 2245-2255, AR talk, ID (Bernhard Gohedl, Germany, DSWCI)

NETHERLANDS /see also main section/ Dutch pirate on 3276.8, 2 x 1638, 2015 (Rolf Løvström, Norway, April DSWCI)

PAKISTAN Regarding the question of Islamabad vs Rawalpindi xmtr sites--the federal district of Islamabad is small in area, and included within Rawalpindi district, part of Punjab province. ES xmtrs are out of the Isbad fedl district but well w/in Rawalpindi dist. So forget about trying to log a xmtr site in Is'bad (Taher Aftab, Pakistan, UADX) Karachi zonal svc has moved from 9805 at *0230-0600* to new 9400; on 19/3 hrd on 9440, perhaps drifted. Peshawar on 5730v hrd +1230-1445* (ex1415*), also ancs MW, 729? Isbad stopped relaying Pushto from Peshawar on 7075v *1245-1600* (Sarah Weerskoon, Sri Lanka, UADX)

PORTUGAL The DSWCI DX program on AWR Sines has been rescheduled to 0800 UTC, Sundays on 9670 (DSWCI) Certainly one of the most useful DX pgms for tips and stn news (gh)

SCOTLAND R Stella will make spl test for NAM et al. 3/4, probably *0530-0730* on 7315, 7320 7325, 7340 or 7465; trying to avoid any of these blocked by Moscow, etc. Addr: 17 Glendevon Rd., Edinburgh (March Unofficial Radio column of John Campbell in April DSWCI SW News) Not much use finding out about it 3 weeks later; try again? Rapid & thorough in NAM dissemination of such news in advance can be achieved by notifying me for RCI & WRNO broadcasts (gh)

USA Pse include address of Satellite News Channel stn on 1622 kca (Marlin A Field, MI) Engineer-in-Charge, Remote Field News Broadcasts, Group W Satellite News Channel, 1111 18th St NW, Washington DC 20008 (Dave Beauvais, May/June Monitoring Times)

VANUATU R Malapoa, 7260, often 1005, seems to have adopted disco and left traditional style (AIF Bäckström, No.S /sic/, April DSWCI) Malapoa? Where'd that name come from? (gh)

ZAMBIA ZBS, 19010, 27/2 /1050- ES, s/on w/IS & E amta, 2 x 9505 (Vashek Kofinek, RSA, DSWCI) Adjusted from 9503.5 (Kofinek, AWR DX 20/3 via DSWCI)

CLANDESTINE & PIRATE V of the Burmese People 28/3 was red-letter day for this sta, 12th anniversary. Celebrated by activating 5110v which ran // normally jammed 757 & 7575. Jamming is not very effective; sometimes audible underneath jammers. Unlike last year, xmsn not extended beyond 1415*. 30/3 too 5110 was on the air but Burmese authorities took care to jam them. Not hrd when I checked 1/4. 5110 is primarily used during important occasions/events or special broadcasts (Sarith Weerskoon, Sri Lanka, UADX)

Kawthulay Radio, tried as skad 12/4 0330-040 on 9775, nothing hrd; was very clear channel; Rangoon 9730 0330 booming in. By the way, 9775 is almost 2 x 4885, the old frequency. Also silent are Taunggyi 5060, BBS 5040. Sat 15/4 /15/4 was Friday -gh/ 9775 0330-0500 monitore and just for a minute around 0355 I was almost sure it came thru w/Mizo type ballad one hears on AIR Aizawl. Sig vy vy low and just surfaced for that minute; power must be quite low; 5 kW at best, more like 1 kW. But pretty poor propagation day; will try again (Victor Goonatileka, Sri Lanka, UADX)

Radio Freedom, the Voice of the Sri Lanka People, a surprise, hrd Sun 0800-0935* on 6240, bland-like, in EG to 0930, then Tamil. Hoax or bland? Probably in Germany; and 6240 but apparently gave no addr. Anti-Sri Lanka govt, of course; EG anat at s/off. (Gordon Darling, UKOGBANI, and Finn Krone, Denmark, AWR DX 27/3 via DSWCI)

KPRC, Radio 1616, on 1616 kHz, 21/4 0358 t/in to 0439 w/out, fine signal. Phone loop # 212-353-9906, QSL addr: PRC, P O Box 747, Exeter NH 03833. Mid 60's rock mx, phone calls, incl Kansas, Malden MA, and yours truly. Well done pgming, intelligent, which is more than can be said for certain other pirates. Claims NYC location, no way to check here w/out loop. I personally wish these guys all the best of luck; may the Federales be chasing the obscenities on 27 MHz when they come on the air, and I mean that (John M Kapinos, Shrewsbury MA)

FRN, hrd on 1616 kHz, 14/4 0730-0800 w/pop mx by ABBA and others. Ancrs were Captain Bligh and Captain Electricity. Took phone calls to a NYC number (Joel Stuart, Baltimore MD)

EDITORIAL: In response to some comments in the April FRENEX--It is perhaps not surprising that a chemist would like to have everything in neat little packages (or vials?), each rigidly defined with no overlap, but FRENEX is not a pharmacy. Since something I may have said years ago is being quoted back at me as a criticism of LN, I must state my current policy. Routine loggings, I don't need, and my objective in LN is to publish material that is in some way newsworthy (of course, I the editor have to decide on that, and no two people will agree 100% on what is and what isn't). It should have become obvious over the years that "loggings" if newsworthy, are welcome in LN. Many of the items reprinted from other bulletins and from DX programs started out as "loggings". This is the only section of FRENEX where such material is appropriate, and I'm not going to overlook them just because they don't meet the strict definition of a 'schedule' rather than a logging. And if direct contributions from NASWA members are sent to me, I'm not going to overlook them either! Far be it from me to criticize the methods by which Log Reports are edited; but I know that some people have a personal preference for country-order over frequency-order. This is especially appropriate where a single item involves more than one frequency. In LN I will not round-off a frequency which the reporter has taken some pains to measure accurately. Nor will I merge several items about the same station, stripping you of your credit into "5 reporters". Nor will I condense an item into one line or two if you have several lines of comment or program material about it. Such flexibility, I feel is a great strength of LN. In addition to that, those who report DX news to me know that it will receive due consideration, and if it is news, will be disseminated rapidly to fellow hobbyists all over North America and the world through RCI SWL DIGEST or WRNO WORLD OF RADIO. If, however, you wish to contribute to the broadcasts but not to LN, all you have to do is say so, and the material will be used in print, if at all, somewhere else. But for timeliness, LN is not at a disadvantage. The actual deadline for inclusion of material is as much as 2 weeks later than LR's, and no earlier than UPDATE-in-FRENEX. If the point of this exercise is to get the news out, it is far better to risk duplicating a few items in different sections of FRENEX, than to risk missing them altogether. It would be extremely tedious, and costly in terms of time and expense for all the editors to try to coordinate their columns each month in order to absolutely avoid duplication. Now, I suggest we all get back to editing our respective sections of FRENEX the best way we know how. (Glenn Hauser)

PUBLICATIONS

Review of International Broadcasting The May issue, some copies of which may still be available to those applying immediately includes: 4 pages of Radio Equipment Forum on the R7A, MFJ converters, Using the Senses, humor; "In Praise of Logging"; 10-page DX Listening Digest; complete AFRTS program sked; R. Australia weekend features in time order; Peking pgms in May; 4 pages of BBC pgms in May; three pages reviewing other Publications; 2 pages of FBIS monitoring reports. The June issue, now available includes among many other things, a 7-page Radio Equipment Forum, dealing mostly and in great detail with the new IC-R70 receiver--a must for those considering buying it, with or without modifications; and 7 pages of BBC June programming. Samples are \$1.25 US ea. in NAM; subscriptions US\$15 in NAM from: Glenn Hauser, Box 6287, Knoxville TN 37914. (gh)

QSL REPORTS



Sam Barte
489 King Street
Bristol, CT 06010

I hope you all read through the column this month. We have several fine QSLs to report like Radio Malabo and Radio Nacional at Bata! Also, we have a new look to the column. Hope you enjoy it because it may be the last time I'll do it this way. I hate to change the typing balls. Please let me have your comments.

- AFGHANISTAN:** Radio Afghanistan 11960 f/d "Ferry Kunduz River" cd. in 56 ds. for 2 IRCs.
ALGERIA: Radio Television Algerie 15160 f/d folder cd. in 25 ds. w/ AR sked. (Carleton-ONT).
* for 2 IRCs. and an EG rpt. (Cobb-ME).
ANTARCTICA: LRA36 Radio Nacional Arcangel San Gabriel 15474 n/d personal ltr. in 21 wks. for a SP rpt. and ms. v/s Jose Bilbao Richter, Teniente Coronel. (Wilkins-CO). same in 82 ds. for EG rpt. and 2 IRCs. (Cobb-ME). ltr. in 111 ds. (Ravenhorst-MN). 15476 p/d ltr. in 6 mo. for 2 IRCs. (Fisher-MA). AFAN Molundo 6012 "Welcome to the Club" logo cd. in 19 ds. for ms. v/s J02 Terk O. Husbands. USN. (Reinstein-FL).
ARGENTINA: Radio Argentina al Exterior 15345 n/d cd. in 1 mo. (Matthews-OH). 9690 n/d blue/white cd. in 87 ds. for a SP rpt. and ms. pennant rcvd. (Foxx-VA).
ARMENIA: Radio Yerevan 17870 f/d plain white cd. in 69 ds. w/ schedule for 1 IRC. (Carleton-ONT). same in 150 ds. (Foxx-VA). 15100 f/d folder cd. in 74 ds. (Aden-OR).
ASCENSION ISLAND: BBC 15260 n/d "Tower" cd. in 44 ds. from Angela Gilchrist of BBC Audience Research Dept. w/ souvenir price list. (Carleton-ONT).
AUSTRALIA: Radio Australia 9640 via Carnarvon f/d "Penguins" cd. in 30 ds. v/s Peter Bara-ett, Director of Overseas Services. (Dillaman-OR). 17795 via Shepparton f/d "Kookaburras" cd. in 25 ds. (Blanchette-FL). 21740 f/d "Regent Bowerbird" cd. in 2 wks. (Baxter-KS). 15115 same cd. in 20 ds. for 1 IRC. (Tutak-NJ). VNG 7500 f/d folder cd. in 56 ds. for 1 IRC. v/s Marie Zammit. (Purdum-MI).
AZERBAIJAN SSR: Radio Baku f/d plain white cd. in 84 ds. Postcards rcvd. (Reinstein-FL).
BELGIUM: Belgium Radio and Television 7465 f/d cd. in 26 ds. (Somers-NJ). 7465 and 9880 f/d cds. in 39 ds. (Palmerheim-MN). 9870 p/d ltr. in 53 ds. w/ pennant. (Sobkoviak-IL). 6195 f/d "Lace Making" cd. in 32 ds. w/ pennant and sticker for 1 IRC. (Foxx-VA).
BELIZE: Radio Belize 3285 p/d cd. in 18 ds. v/s A. Johnson. (Sprach-NY). f/d "Map" cd. in 28 ds. for 2 IRCs. (Wheeler-KS). same in 18 ds. w/ brochure. (Roser-PA). f/d cd. in 70 ds. for a taped rpt. and 1 IRC. (Foxx-VA). cd. in 28 ds. for 2 IRCs. (Ingler-FL).
BOLIVIA: Radio Fides 4845 f/d prepared cd. w/ n/d personal ltr. in 11 mo. for a SP rpt. and ms. v/s Lic. Arturo Beltran, Subgerente. (Choroszy-ME). Radio Panamerica 6105 f/d "Map" cd. in 81 ds. for a SP rpt. and 1 IRC. (Swaringen-NC).
BONAIRE: Radio Nederlands 6165 f/d cd. in 1 mo. w/ sticker and photo. (Barabas-NY).
BRAZIL: Radio Bras 15290 f/d "Florianopolis Bridge" cd. w/ schedule and sticker in 180 ds. for an EG rpt. and ms. (Foxx-VA). Radio Nacional de Brasilia
* 17830 f/d cd. in 55 ds. (Starr-GA). Radio Oito de Setembro-Descalvado 2320 n/d personal ltr. in 22 mo. (3 wks. after a f/up rpt.) for a PT rpt. and ms. v/s Pedro Gaspar, Director
* Gerente. Station now on 2490. (Lobdell-MA). Radio Cultura de Soraipe 4775 p/d ltr. in 51 ds. after 2 f/up rpts. in PT for an older reception. v/s Ciaudomir Andrade Vieira
BULGARIA: Radio Sofia 9700 n/d cd. in 107ds. (Barto-CT). w/ photo. (Foxx-VA).
BYELORUSSIA: Radio Mogilev 11995 (RMWS?) via Mogilev p/d cd. (freq. only) in 150 ds. for a RS rpt. (Foxx-VA).
* This is probably the site. Send cd. to Moscow and try to get site written on the card...Sam.
CAMEROON: Radio Beifoussam 4000 p/d ltr. in 43 ds. for a FR rpt. and 2 IRCs. (Foxx-VA). p/d ltr. in 81 ds. for an EG rpt. and 2 IRCs. (Ravenhorst-MN).
CANADA: CKZU 6160 f/d "CBC Radio Canada Centre Vancouver" cd. in 6 wks. for a taped rpt. and 2 IRCs. v/s D. J. Harver. (Matthews-OH). same in 74 ds. for ms. Now QSLed all Canadian SWBC stations! (Ravenhorst-MN). CBC Northern Quebec Service n/d acknowledgement cd. in 9 ds. for 1 IRC (which was returned). (Tutak-NJ). CHNX 6130 f/d "Ocean Playground" cd. in 55 ds. for ms. Sticker rcvd. (Purdum-MI). Radio Canada International 6065 f/d cd. in 35 ds. w/ blue/white pennant for ms. (name?) CFVP 6030 f/d "Downtown Calgary" cd. in 9 ds. w/ sticker. (Carleton-ONT).



CANARY ISLANDS: Radio Exterior de Espana 15365 f/d "Bisonte" cd. in 29 ds. (Swaringen)

CAPE VERDE ISLANDS: Radio Voz de Sao Vicente 7154 p/d cd. in 1 mo. for a PT
* rpt., tape and 3 IRCs. (Matthews-OH). same in 35 ds. for a PT rpt. and
2 IRCs. (Palmerheim-MN).

CHILE: Radio Universidad de Concepcion 6135 p/d cd. #0158
in 1 mo. for a SP rpt. and 1 IRC. (Palmerheim-MN).
Station has a cute colorful pennant...Sam...

CHINA, PEOPLES REPUBLIC: Radio Beijing 15120 f/d
"35th Anniversary" cd. in 40 ds. w/ pennant.
(Foxy-VA). 15520 f/d cd. w/ pennant and stickers
in 29 ds. (Blanchette-FL). f/d "Great Wall" cd. in
* 22 ds. w/ stickers. (McCasland-MO). Zhejiang Peoples

Broadcasting Station 4785 f/d cd. in 3 wks. via Peking
for a taped rpt. (Matthews-OH).

COLOMBIA: Radio Santa Fe 4965 n/d ltr. in 210 ds. for a SP
rpt. and ms. v/s Luisa Maha Vda. de Bernal, Gerente.
(Foxy-VA). La Voz de La Selva 6170 p/d personal ltr. in 1
mo. for a SP rpt. w/ tape and ms. v/s Eliacer Leon, Director.
(Lobdell-MA). Radio Super de Medellin 4875 f/d prepared cd. w/
ltr. in 16 ds. for an EG/SP rpt. Stickers w/ decals rcvd. v/s
Angela Margarita Londono, Secretaria. (Sprachman-NY). Ondas del Meta
4885 p/d "Certificado de Sintonia" w/ personal ltr. in 1 mo. for a
SP rpt. and ms. v/s Jaime Benito Delgadillo, Director. (Craighead-KS).
same in 6 wks. for a SP rpt. and ms. v/s Wilson Jair Miranda, Ejecut-
ivo de Publicidad. (Wilkins-CO). Radio Guatapuri 4815 n/d ltr. in 154 ds.
for a SP rpt. and ms. v/s Sara Emilia Ballestas C., Corresponsal. (Foxy-VA).

COSTA RICA: TIFC Faro del Caribe 5055 f/d "TICF" cd. in 140 ds. for an EG rpt.
and ms. Pennant rcvd. (Carleton-ONT). Radio Reloj 4832 p/d red, white and blue
cd. in 2 wks. after a f/up rpt. in SP for ms. v/s Francisco Barahona G., (Wil-
kins-CO). p/d cd. in 1 1/2 mo. for 1 IRC. (Sprachman-NY).

CUBA: Radio Habana Cuba 11930 f/d "Havana City" cd. in 3 mo. v/s Maria Montero Tri-
ana. (Somers-NJ).

CYPRUS: BBC 15420 n/d "Bridge" cd. in 63 ds. for 1 IRC. Sticker rcvd. (Carleton-ONT).

DOMINICAN REPUBLIC: Radio Santiago 6050 p/d ltr. in
10 wks. for a SP rpt. and 1 IRC. Letter was rcvd.
from the Radio Club DX Internacional. Address: P.O.
Box 1191, Santiago. (Gliksman-IL).

ECUADOR: Radio Quito, La Voz de La Capital 4920 n/d
"Thank you for your kind letter and good report"
folder type cd. in 2 1/2 mo. for an EG/SP rpt. v/s
Alfonso Laso, Gerente. (Sprachman-NY). n/d cd. in
245 ds. for a SP rpt. and ms. (Foxy-VA). Radio Iris
3381 f/d prepared cd. in 701 ds. after 3 f/up rpt.
in SP for ms. (Wilkins-CO). Radio Federacion 4960 cd.
in 6 wks. after a f/up rpt. in SP for ms. v/s Wilson
O. Marin O. (Wilkins-CO).

EGYPT: Radio Cairo 9475 and 12000 f/d cd. in 82 ds. (Starr-GA). 12000 f/d "Scenery" cd. in
126 ds. (Somers-NJ).

EQUATORIAL GUINEA: Radio Malabo 6250 n/d personal ltr. in SP in 45 ds. for a SP rpt. and
2 IRCs. Program schedule rcvd. v/s Matias Ovono Engonga Neang(?) (Foxy-VA)...First time
we've seen this one reported in quite a while!

ESTONIAN SSR: Eesti Raadio
6085 f/d "Lake Lohja" cd.
w/ stamps in 70 ds. for an
EG rpt. Station now on 5925
according to schedule. Any
one hear this yet? (George).

EUROPEAN RUSSIA: Radio Moscow
via Orenburg 6090 f/d cd.
in 10 wks. (Gliksman-IL).
7310 via Moscow f/d cd. in
41 ds. (Choroszy-ME). 9775
via Tula w/ f/d "Byeloruss-
ian Train Depot" cd. in 42
ds. (Purdum-MI). 5920 via
Armenia f/d cd. in 51 ds.
(Dillaman-OH). same in 28
ds. w/ schedule and report
forms. (Foxy-VA).

KEEP THOSE QSL REPORTS COMING
IN TO OUR COLUMN.....Sam.

POLSKIE RADIO
herby
miast polskich
ELBLAG



POST
6th February, 1954
We take pleasure in verifying
your report of our signals on
3,360 Kilocycles
at 03.08 to 04.01
JAMAICA BROADCASTING CO LTD
Mr. Richard E. Davis
8013 Park Lane,
Bethesda 14,
Maryland, U.S.A.

FEDERAL REPUBLIC OF GERMANY: Deutsche Welle 9565 n/d "Studio" cd. in 64 ds. (Somers).

FINLAND: Radio Finland 21475 n/d "Finlandia Hall" cd. in 805 ds. for 1 IRC.

Station must of cleaned out their files! (Reinstein-FL).

FRANCE: France France International 21620 f/d cd. w/ pennant in 95 ds. for an EG rpt. Schedule rcvd. (Somers-NJ).

FRENCH GUYANE: France Region 3 Cayenne 3385 f/d hand-colored "Map" cd. in 29 ds. for a FR/EG rpt. and ms. (Eastman-TX). f/d cd. in 95 ds. for a FR rpt. and 2 IRCS. (Tutak-NJ).

GEORGIAN SSR: Radio Moscow 6085 via Tbilisi f/d cd. * in 42 ds. Thought I had Tallin (Buer-FL)... Sure looks that way... what does the UHN say Roger?

GREECE: Voice of Greece 9865 f/d cd. in 47 ds. (Somers-NJ). 12045 f/d "Poros Island" cd. in 62 ds. (Sobkoviak).

GUAM: KTWR Trans World Radio 9505 f/d "Antenna Slew Switch" cd. in 18 ds. for 1 IRC. (Tutak-NJ). same in 53 ds. w/ pennant, sticker, schedule, etc. v/s Debbie Blosser. (Carle-

GUATEMALA: TGWA Radio Cultura 3300 p/d "Logo" cd. ton-ONT). in 275 ds. for 2 IRCS. (Dillaman-OH). TGTZ Radio Tezucutlan

4835 f/d cd. in 21 ds. for a SP/EG rpt. (Sprachman-NY). 3370 f/d cd. in 56 ds. for a SP rpt. (Barto-CT).

HAITI: Radio Station 4VEH 11835 f/d photo cd. in 27 ds. for ms. w/s Mrs. Edna Beachy, QSL Secretary. (Foxx-VA).

HUNGARY: Radio Budapest 9585 f/d cd. in 33 ds. (Somers-NJ).

IRAN: Voice of the Islamic Revolution of Iran 15084 f/d "War" cd. (Lovely!) in 9 mo. w/ magazines and a picture of guess who. (Palmer-shelm-MN).

I'm not sure. Are you referring to the rock band? same in 116 ds. for 1 IRC. Also rcvd. 2 books on Iran. These were free to the first asker. Congratulations! (Foxx-VA).

ISRAEL: Kol Israel IBA 9815 cd. in 1 mo. (Barabas-NY).

11655 f/d "Logo" cd. in 71 ds. w/ several report forms. (Mayer-PA). 13745 f/d new style yellow and blue cd. in 34 ds. (Barto-CT). Galei-Zahal Radio

- Internal Defense Forces Radio 14728 and 18127

f/d "Microphone" cds. in 23 ds. for an EG rpt. and \$1.00. This was for a 1981 reception. (Reinstein-FL).

ITALY: Radio Milano International 6221 via Zinasco * f/d cd. in 34 ds. w/ stickers. (Barto-CT).

JAPAN: Radio Japan NHK 17825 date and frequency cd. in 35 ds. (Starr-GA). 17825 n/d "Childrens Day" cd. in 155 ds. for 2 IRCS. and a taped rpt. Also rcvd. books, schedule and 2 first day stamps. (Foxx-VA). Far Eastern Network AFRS 3910 f/d cd. w/ booklet on station history in 75 ds. for a taped rpt. (Aden-OR). 11750 "Logo" cd. in 20 wks. after a f/up rpt. for ms. (Wilkins-CO).

JAVA: Radio Republik Indonesia 4900 via Surakarta(?) f/d ltr. in 1 mo. for an IN rpt. and 1 IRC. v/s Moh. Hasjim Benny. (Gliksman-IL).

KIRZGIC SSR: Radio Moscow 12050 via Frunze f/d "National Eco omic Exhibition in Moscow" cd. in 41 ds. v/s Mrs. Eugenia Stepanova. (Foxx-VA).

KOREA, REPUBLIC OF: Radio Korea 11810 via Gimje f/d cd. of "National Anthem and Flags" in

64 ds. w/ pennant and schedule. (Sobkoviak-IL). 9750 f/d "Maggie and Rose of Sharon" cd. in 1 mo. (Sprachman-NY).

KUWAIT: Radio Kuwait 11675 f/d folder cd. in 29 ds. w/ personal ltr. from Jawad Al-Mazeedi, Chief Engineer. (Sobkoviak-IL).

LIBERIA: VOA 9620 and 7195 n/d "Golden Gate" cd w/ sticker in 27 ds. v/s Verla Wiley. (Foxx-VA).

SUPPORT FRENCH-ITS YOUR BULLETIN!!!

POLSKIE RADIO
herby
miast polskich



PKŁA

自由中國之聲 廣播
Voice of Free China

Radio Eco QSL
via Henry
Lazarus

Ameryka
Mroczka
par al inter y pan
-partage, y pa p
sicim
amigos de
Radio Eco
que te mirar
a misitar
sabes?
cosas
Abastales
contamos con
interesan
accogederos

Radio Eco S.A.
27/4/88

1814 - IQUITOS-PERU
Hotel de Turismo de Iquitos.
Amazonia peruana.
Tourist's Hotel Iquitos
Peruvian Orient.

VERIFICATION SIGNERS: Radio Norte 4787 Hector M. Sanchez Toribio, Adm. Director. La Voz de la Selva 4825 Rafael Garcia Souza, Gerente. Radio El Salvador 9555 Carlos Alberto Melendez. Radio Oman 11890 Musallam Said. Radio Chortis 3380 Juan Maria Boxus, Executive Director. RRI Djakarta 9680 Anwar Siregar, Kepala. Radio Carora 4907 Carlos Gonzalo Gonzales, Gerente General. Radio Baha'i 4995 Srta. Margarita Santacruz O....Not too many this time but I hope you can use a few of them....Sam

LIBERIA: Radio ELBC 3255 f/d "The Sound of Progress" cd. in 3 mo. (Sprachman-NY).

LITHUANIAN SSR: Radio Vilnius 15240 f/d folder cd. in 76 ds. w/ schedule. v/s J. Lukosevicius, Editor in Chief of the English Section. (Choroszy-ME). 17870 crude style elongated cd. w/ f/d in 75 ds. (Aden-OR).

LUXEMBOURG: Radio Luxembourg 15350 f/d "Antenna" cd. in 68 ds. for a FR rpt. and 1 IRC. (Foxx-VA).

MALTA: Deutsche Welle 9590 via Cyclops n/d color photo cd. w/ new broadcasting center in 150 ds. Also rcvd. ltr. from Peter Sanger. (Foxx-VA). Radio Mediterranean 6110 f/d blue "Map" cd. in 15 ds. for a taped rpt. and ms. v/s Marisa Farrugia, Foreign Correspondant. Schedule rcvd. (Choroszy-ME). same in 14 ds. for 2 IRCs. (Reinstein-FL). 5960 f/d cd. in 1 1/2 mo. (Sprachman-NY).

MEXICO: XERMX Radio Mexico International 15430 f/d cd. in 35 ds. for 1 IRC. (Starr-GA). in 94 ds. for an EG rpt. and ms. Also rcvd. magazines and 45 rpm record. (Carleton-ONT).

MOROCCO: Radio Television Marocaine 15335 f/d cd. in 41 ds. for a FR rpt. v/s J. Tanane, Director. (Barto-CT)...Although most of the RTM transmitters are located at Tangier, for purposes of this column we will list the RTM QSLs under Morocco and the VOA QSLs as Tangier. Same type situation as the Vatican. We'll stand on tradition...Sam.

NEPAL: Radio Nepal 9590 f/d white "Emblem" cd. via registered mail in 7 wks. v/s B. Shivakot and K.B. Khatri, Chief Engineer. (Huniwell-NJ). 5005 f/d cd. in 27 ds. for 2 IRCs. (Bryant-OK).

NEW CALEDONIA: France Region 3 Noumea 7170 date w/ frequency only "Map" ltr. in 1 mo. for a FR rpt. and 1 IRC. This on my 5th try! (Gliksman-IL).

NEW ZEALAND: Radio New Zealand 15485 f/d "Sheep Grazing" cd. in 15 ds. Pennant rcvd. (Blanchette-FL).

NEWFOUNDLAND: CKZN 6160 f/d "CBC Radio Canada, Newfoundland" cd. in 40 ds. for ms. (Carleton-ONT). same f/d cd. in 2 mo. w/ booklet on the history of the area. v/s D. Uttaro.

NICARAGUA: La Voz de Nicaragua 5955 f/d personal ltr. in 37 ds. for (Sprachman-NY). a SP rpt. and ms. v/s Rodolfo Garcia G., Director. Also rcvd. station pennant, booklet, and a postcard w/ photo of General Sandino. (Eastman-TX). f/d ltr. in 79 ds. for an EG rpt. and 1 IRC. (Swaringen-NC). n/d ltr. in 1 1/2 mo. (Sprachman-NY). 5950 n/d ltr. in 144 ds. for a SP rpt. and ms. Pennant rcvd. (Foxx-VA).

NIGERIA: Federal Radio Corporation of Nigeria Kaduna 4770 f/d form ltr. in 3 mo. v/s Ismaila Mohammed, Chief Engineer. (Sprachman-NY). f/d ltr. in 40 ds for 2 IRCs. (Starr-GA). Voice of Nigeria 15120 f/d "Remembrance Arcade" cd. in 8 mo. for 2 IRCs. after a f/up rpt. (Dillaman-OH).

NORWAY: Radio Norway International 25615 f/d "Norwegian Costumes" cd. in 29 ds. w/ sked. v/s C.K. Dahl. (Blanchette-FL).

OMAN: Radio Oman 11890 folder cd. in 1 yr. after 2 f/up rpts. for a taped rpt. and ms. v/s Musallam Said. (Sgrulletta-NY). This is a truly beautiful folder QSL!...Sam.



EMISORAS
GRAN
COLOMBIA

LA VOIX DE LA RENOVATION

from the collection of
Chris Loddell

RADIODIFFUSION
TELEVISION
ABONNAISE

B P 150 LIBREVILLE
•Республика Габонские

NOTES: I'd like to thank John Moritz for his article concerning the lack of NASWAs membership contributing to the bulletin. This month I've received several new contributors and many others requesting QSL Column report forms. Thanks John for waking up a few people...Sam. Dave Swaringen of P.O. Box 786, Huntersville, NC. 28078 needs the current address for Radio Dublin International. Can someone help? One of our contributors Rob Sobkoviak reports that he has been appointed QSL Editor of DX Chicago, the newsletter of the Chicago Area DX Club. Congratulations!

PAKISTAN: Radio Pakistan 11670 f/d "Defense Society Mosque" cd. in 42 ds. for an EG rpt. and ms. (Carleton-ONT).

PERU: Radio Los Andes f/d white cd. in 148 ds. for an EG/SP rpt., tape and ms. v/s Paplo Cardenas Valverde, Director Gerente. (Choroszy-ME).

* f/d "Certificado de Sintonia" cd. in 2 wks. after a f/up rpt. for a SP rpt. and ms. (Wilkins-CO), photo and business cd. w/ station seal on envelope in 5½ mo. for a SP rpt. and ms. Addr: E.I.R. Ltda, Jr. Bolivar 529 - Of. 201, Huamachuco, (Craighead-KS), same in 24 wks. for a SP rpt. and 1 IRC. (Gliksman-IL). Radio Del Pacifico 9675 f/d "Machu Picchu" cd. in 1 mo. for a SP rpt. and ms. (Palmerheim-MN).

PHILIPPINES: VOA Poro/Tinang 17780 f/d cd. in 53 ds. (Wheeler-KS). Far East Broadcasting Company 11890 f/d "FEBIC Morse Code" cd. in 42 ds. w/ pennant for ms. (Carleton-ONT).

POLAND: Radio Polonia 15120 f/d cd. in 90 ds. (Dillaman).

PORTUGAL: Radio Portugal 11925 f/d cd. in 18 ds. (Starr).

RIO MUNI: Radio Nacional 5005 via Bata frequency only personal ltr. w/ photo via registered mail in 7 wks. * for a SP rpt. and 2 IRCs. v/s Augustin Edu Esono, Tecnico. (Wilkins-CO)...Congratulations!

RWANDA: Deutsche Welle 11965 n/d "New Broadcasting Centre" cd. in 46 ds. w/ sticker and pennant for 2 IRCs

SALPAN (Commonwealth of the Marianas): (Carleton-ONT).

KYÖI 11900 f/d "Super Rock" cd. in 3 mo. v/s Ralph Eugineo. (Sprachman-NY), same in 5 wks. for ms. (In-

singer-NJ). f/d cd. in 76 ds. for 1 IRC. Addr: P.O. Box 795, Saipan. (Konen-WI). same in 74 ds. for ms. (Purdum-MI), same in 21 ds. for ms. v/s Mark Grizzard. (Reinstein-FL). f/d cd. in 70 ds. for 1 IRC. (Swaringen-NC). f/d cd. in 3 mo. for a taped rpt. v/s Alex Norita. (Aden-OR). cd. in 7 wks. for ms. (Baxter-KS). same in 85 ds. for ms. (Ravenhorst-MN). 15190 same in 71 ds. for ms. (Foxy-VA). f/d cd. in 70 ds. for a taped rpt. and ms. v/s James Kintaro. (Clearman-WA). cd. in 9 wks. (Huniwell-NJ). 9670 f/d cd. in 37 ds. (Bartoc-T). cd. in 62 ds. for ms. (Choroszy-ME). cd. in 72 ds. for ms. (Buer-FL). f/d cd. in 51 ds. for ms. (Dillaman-OH).

ORF QSL
"Shortwave Centre"



SAUDI ARABIA: BSKSA 11855 f/d "Logo" cd. via registered mail in 86 ds. for 2 IRCs. (Purdum-MI).

SENEGAL: Radio Senegal 4890 f/d cd. in 24 ds. for an EG rpt. and 2 IRCs (Cobb-ME). p/d cd. in 30 ds. for a FR rpt. and 2 IRCs. (George-NC). This station has been out of contact for a while...Sam

SICILY: RAI Caltanissetta 7175 f/d cd. in 120 ds. for 2 IRCs. (Cobb-ME).

SEND IN YOUR REPORTS
TO THE QSL COLUMN--
TAKE PRIDE IN NASWA

INTERESTING QSLs: Although not SWBC, Gordon Darling sent in a few interesting QSLs from the utility bands. They include **NNNWICE** (Ross Dependency); **NRV7** (Yap Island - Western Caroline Islands); **NRT3** (Bonin and Volcano Islands); and **ZME3** (Raoul Island - Kermadec Islands)...Gives you a good idea of what can be heard on the bands...Sam.

SIERRA LEONE: Sierra Leone Broadcasting Corporation 5980 f/d ltr. in 50 ds. for 2 IRCs. v/s John Maddy. (Swaringen-NC). f/d personal ltr. in 111 ds. for 2 IRCs. v/s H.A. Lynch. (Tutak-NJ). n/d ltr. in 134 ds. for 2 IRCs. (Foxy-VA).

SOLOMON ISLANDS: Solomon Islands Broadcasting Service 5020 f/d "Emblem" cd. in 5 wks. for 2 IRCs. (Baxter).
SOUTH AFRICA: Radio South Africa 9615 f/d "Cape Town" cd. in 53 ds. for 1 IRC. (Foxy-VA).

SPAIN: Radio Exterior de Espana 9765 f/d "Las Meninas" cd. in 36 ds. (Palmerheim-MN). 11880 f/d cd. w/ pennant in 60 ds. (Aden-OR). f/d "Painting by Bodegon" cd. in 27 ds. w/ sked. (Blanchette-FL). f/d "Art Painting" cd. in 1 mo. (Barabas-NY).

SRI LANKA: Adventist World Radio via SLBC 11835 f/d "Radio Monitors International" cd. in 80 ds. v/s Jose Jacob. (Swaringen-NC).

SURINAM: Radio Apintie 4996 f/d ltr. in 62 ds. for 2 IRCs. v/s E. Vervuurt, Director. Also rcvd. pennant, schedule and post card of the station. (Foxy-VA).

SWEDEN: Radio Sweden International 11705 via Karlsborg f/d blue and yellow "Logo" cd. in 45 ds. for 1 IRC. Pennant rcvd. (Foxy-VA). f/d "Anniversary" cd. in 17 ds. (Mayer-PA). 21615 f/d cd. in 46 ds. (Barto-CT).



UHN USSR HIGH FREQUENCY BROADCAST NEWSLETTER: This excellent publication is produced by Roger Legge, Box 232, McClean, VA. 22101. Subscription for 8 issues is \$3.00 in North America and \$4.00 for overseas delivery. Each issue contains up to date schedules, seasonal frequencies, transmitter sites (known and presumed) and QSL information. Highly recommended...Sam.



TAHITI: France Region 3 15170 f/d blue/white cd. in 37 ds. for a FR rpt. and 2 IRCs. (Foxy-VA). f/d cd. in 30 ds. for an EG rpt. and 1 IRC. (Anderson-NM). same in 35 ds. for a taped rpt. and 2 IRCs. (Kacir-MI).

TAIWAN: Voice of Free China 17800 p/d "Phoenix" cd. w/ CH tape in 29 ds. for my taped rpt. (Wilkins-CO). wicz-WI).

TOGO: Radio Togo 5047 p/d "Map/Logo" cd. in 124 ds. for 1 IRC. (Paszkieturkey: Voice of Turkey 9560 and 9730 "Spoonbill" cd. in 3 mo. (Barabas-NY). 9560 f/d cd. in 28 ds. for 1 IRC. (Starr-GA). (Konen-WI).

UGANDA: Radio Uganda 5027 p/d ltr. in 66 ds. for 2 IRCs. v/s L.B. Lubega

UKRAINIAN SSR: Radio Kiev 15100 f/d cd. of "Kiev Hotel" in 60 ds. (Aden-OR). 7165 f/d cd. in 2 mo. (Roser-PA). 17870 f/d "Mariinsky Palace" cd. in 87 ds. w/ information on station for 1 IRC. (Carleton-ONT).

Radio Moscow via Lvov on 7150 f/d "Antenna" cd. in 28 ds. (Foxy-VA).

12010 f/d cd. in 51 ds. (Dillaman-OH).
UNITED ARAB EMIRATES: Dubai Radio and Colour Television 21655 f/d "World Map/Emblem" cd. w/ pennant in 79 ds. (Carleton-ONT).

USA: **KGEI** 5980 f/d "San Francisco" cd. in 50 ds. for ms. v/s Jesus Elizondo. (Hosmer-MI). same in 36 ds. (Vargo-OK). same in 53 ds. for ms. (Choroszy-ME). **WINE** 15185 f/d cd. in 37 p/d cd. in 83 ds. for ms. (Foxy-VA). **VOA** 21485 via Bethany f/d "San Diego" cd. in 49 ds. (Wheeler-KS). **Greenville** 15240 f/d cd. in 15 ds. (Choroszy-ME).



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 RADIO DE LAS NACIONES UNIDAS
 LA RADIO DES NATIONS UNIES
 RADIO DELLE NAZIONI UNITE
 LA RADIO DE LAS NACIONES UNIDAS

Thanks Mr. John Szulcetta for the report

on a United Nations broadcast at: 1830 - 1858 hrs

on 21 January 1983 on 1716 kHz.

the details of which are correct





USA: Voice of Free

China via WYFR 5985
f/d "Paper Cutting"
cd. w/ sticker in 2
mo. (Barabas-NY) p/d
"Butterfly" cd. w/
taped music in 1 mo.
(Wilkins-CO). f/d cd
in @ 1 mo. (Insinger)

* Radio clandestine
f/d ltr. in 59 ds.
for an SASE. v/s R.
F. Burns. (Reinstein-
FL). Voice of Venus
7425 f/d ltr. in 153
ds. for ms. v/s
Scott Willd. (Baxter-
KS). KOSE 7426 f/d

* ltr. in 16 ds. for ms. Pennanta rcvd. v/s Frank Furter. (Streater-NY). WTUT 7425 f/d ltr.
in 45 ds. for ms. v/s T. Taylor. (Baxter-KS). same in 39 ds. (Streater-NY).

USSR: Radio Moscow 4825 f/d cd. w/o site in 75 ds. for a SP rpt. v/s Gertrudis Fiodorova.
personal ltr. also rcvd. (Choroszy-ME). 6110 and 7440 cds. w/o sites in 52 ds. I also
won their listeners forum contest. (Somers-NJ). Radio Station Peace and Progress 11890
f/d cd. in 41 ds. v/s Larisa Mishina. (Foxy-VA). Radio Rodina 15240 f/d cd. in RS w/o
site in 65 ds. Also rcvd. RS schedule. (Choroszy-ME).

UZBEK SSR: Radio Tashkent 9540 f/d "Flower" cd. in 54 ds. (Aden-OR). 11785 f/d "Map of Asia"
cd. in 72 ds. for 2 IRCs. (Carleton-ONT).

VATICAN CITY: Radio Vatican 11810 f/d "Antenna" cd. in 20 ds. for 1 IRC. (Anderson-MN). 6015
f/d "Nervi Hall" cd. in 55 ds. for 2 IRCs. (Foxy-VA).

VENEZUELA: Radio Rumbos 9660 f/d "La Arana Highway" cd. in 205 ds. for a SP
rpt. and ms. v/s Andres Serrano T. (Foxy-VA). Radio Carora 4907.8 p/d
personal ltr. in 52 ds. for a SP rpt. and ms. v/s Carlos Gonzalo
Gonzalez. (Palmerheim-MN). 4906 p/d personal ltr. in 28 ds. for a
SP rpt. and ms. (Choroszy-ME). Ecos del Torbes a/d "Map" cd. in
137 ds. for a SP rpt. and 1 IRC. (Tutak-NJ). VUTO 6100 p/d "El
Observatorio Naval Juan Manuel Cagigal" cd. in 1 1/2 mo. for a SP/EG
rpt. v/s German Romaro Ocampo, Director. (Sprachman-NY). Radio Tach
ira 4830 n/d cd. in 180 ds. for a SP rpt. and ms. (George-NC). Radio
Angostura 6119 f/d prepared cd. in 3 mo. for a SP rpt. and 1 IRC. (Wil-

VIETNAM: Voice of Vietnam 10080 f/d cd. in 4 mo. (Sprachman-NY). Mins-CO.

YEMEN ARAB REPUBLIC: Radio Sana'a 9780 p/d ltr. in 58 ds. for 2
IRCs. (Konen-WI). same in 75 ds. for 2 IRCs. (Swearingen-NC).

YUGOSLAVIA: Radio Yugoslavia 9620 f/d "Koper" cd. in 159 ds. for
ms. (Carleton-ONT). f/d "M/S Yugoslav Ship" cd. in 74 ds. (Foxy-
VA). f/d cd. in 42 ds. for 2 IRCs. (Baxter-KS).

ZAMBIA: Zambia Broadcasting Service 4911 f/d cd. in 33 ds. for 2 IRCs. v/s Peter Masuba. (Tutak-NJ).

NOTE: This month we only had 97 countries reported to the Column. A little below par but
some excellent quality QSLs this month...Sam

I would like to thank Bruce Johnston and David Swearingen for their verie interesting
letters. Bill Mayer is still able to get in a
little DXing between studying for final
exams. Steve Sprachman sent in a few QSLs
this month but says that TV DXing is his
first love. Jim Vargo credits John Mor-
itz for getting him to contribute to
the column. Your format is fine Jim.
Baxter Henaley has some interesting
observations concerning LRA36. Accord-
ing to their QSL (latitude/longitude)
the transmitter site would be located
on the north eastern tip of the Palmar-
Peninsula of the Continent. ...

That's about it this time around. Have to
close the column down for a while.....
getting married in two hours.

73s

Sam

RADIO-ANGOLA (EMISSORA OFICIAL)

~ LUANDA-ANGOLA — PORTUGUESE WEST AFRICA

via Richard Davis

THIS CONFIRMS YOUR RECEPTION OF OUR PROGRAM
BROADCAST ON THE 3 / 2 / 59 AT 21.17 GMT
ON 17795 KC/S. POWER 10 Kw. AERIAL rhombic

WITH MANY THANKS AND BEST REGARDS
FROM RADIO ANGOLA

16 / 2 / 59

(DIRECTOR)



update

May 1983***Number 136

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111 USA
(816) 931-5943 7-10 pm Central only

UPCOMING DEADLINES: 10 May (Mid-May) 22 May (June) 10 June (Mid-June)

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AN APOLOGY AND AN EDITORIAL: First, you should know that the United States Postal Service has embarked upon a campaign to isolate UPDATE Central (me) from you. On March 15, 1983, the USPS, in the name of providing better service, moved my post office to a new location while it worked to renovate and enlarge the old post office. The upshot of this is (1) an increased delay in getting UD and all other mail to me, and (2) a much increased volume of damaged mail. A number of you have written asking why your reports haven't appeared. Hope this brings you up to date.

*****By way of editorial, I was fascinated by the reactions to John Moritz's column on participation in NASWA. As many of you are aware, I've harped on this subject in the past, mostly without long-term success. But this little space is devoted to another topic: meeting the needs of the readers. Many of the comments John printed indicated that FRENIX might not be meeting the needs of the members. PLEASE, POLKS, TELL US IF THIS IS SO. WE CAN'T MAKE ANY MEANINGFUL CHANGES TO UPDATE OR ANYTHING ELSE UNLESS WE KNOW WHAT'S RIGHT AND WHAT IS WRONG. Comments and criticism are welcome here, if you'll send them. Otherwise, I have to assume you're happy. So, if you want changes, you'll need to let me know. OK?

*****BENIN** Parakou, 5025, in lang *0400+; sitting from 0350, drums and native instruments as IS 0355, pips and into NA. M in FR briefly when covered by bad burst of noise. No ID noted, but tnx Klein for the tip. Noted again 4-11 w/ clear ID for Benin and possible mention of Parakou but cannot confirm from tape. Good this time. (John Moritz, OR)***Regularly noted here from *0400 with tone, pips, IS, NA and annmts by M in FR. IDs as LVRB, regional station in Parakou. When first noted, tuned by it on the assumption that it was Uganda. Shows what assuming can do. tba

BOTSWANA RBotswana, tentative, 3355, in lang 0410-25; M in presumed Setswana talk between short mx bits. Weak and UTE QRM. Just about killed by UTE at t/out. (Moritz, OR 4-13)

*****BRAZIL** R. Liberal, 3325, in PT 0250-0312; in well several nights lately w/ vy strong signal though hampered by UTE. Noted w/ Coke ads and mx one night, speech by M the next to 0300 when into promos and such and finally 2 IDs. Also a SP speaker mixing here and would think the HC but the few prgm details that get through aren't that the Eudorian would offer. Just happy to have this one for the moment. (Moritz, OH 4-15)***R. Dragao do Mar, 4925, in PT 2258-0010. Time pips 2300, electronic sound effects, talk by M&W. Seemed a story w/ quick breaks of electronic mx. // 4905 and 4915 to 2330 when back to local pgms. (Brian Alexander, PA 4-7,8)*** Undoubtedly Projeto Minerva educational prgm carried by all stns 2300-2330. tba ***R. Borborema, 5027, in PT 0214-19; noted drifting up a bit on 4-12 w/ MoR mx and plenty of IDs. (Moritz, OH) ***R. Universo, 9545, in PT 0805-0910; weak but // much stronger 6020. Religious programs, mention of Curitiba, annmts. Very slow ID 0910. (Alexander, PA 4-9) *** R. Tamoio, 9609.8, in PT 0855+; fair. Local mx, ads, ID 0900. (Alexander, PA 4-10)***R. Marumbi, 9675, in PT 0825; good. Many IDs, talk and annmts. (Alexander, PA 4-9)

CLANDESTINE R. Quince de Septiembre, noted as follows: 4-13 on 6510 0240-0302; many, many references to Costa Rica and "el presidente Monge"--Luis Alberto Monge. Whole prgm seemed to be directed to Pastora faction there. Mentioned a number of "Somocistas" along the way and a couple of IDs. 4-15 on 5565 at 0502 just coming on for 0500 segment. Mch fanfare w/ M in SP and ID 0508. Strong and clear and //6900 good as well. And on 4-15 Noted LV del Nicaragua Libre 5750 in SP 0443-49* ID 0446 by M raising his voice considerably after a non-stop talk by him. (All from Moritz, OH)

•**COLOMBIA** R. Cinco, 5040, in SP 0345-0409; good. Traditional Colombian fare and many IDs by M. (Moritz, OH 4-4)***LV de los Centauros, 5954.8, in SP 1007; LA mx, IDs, TCs and mention of Gar-

***acol. (Alexander, PA 4-10) ***R. Macarena, 5973, in SP 0052-0120; tnx Ralph Perry. Mostly traditional Colombian fare. Lots of paseos and cumbias. Door bell and many IDs. Good sespite QRM on high side. (Moritz, OH 4-10)---Same on 5973.2. QTH Villavicencio in SP daily w/ vy good signal. S/on varies noted 0915 4-19 but usual 1000. ID gives 5975 HJHZ and 1080 HJKT "la emisora de los llaneros." Nice cumbias and other HJ mx, M anncr, TCs frequent IDs and many department store ads, nx 1100-30. Breaks up around 1130. (Wilkins, CO)---Same 1040-1140. Vy strong. Chimes 1100 after religious prgm. Many IDs, mention Todelar and nx. More mx 1105 and noted again 2215. (Alexander, PA 4-9)

•**COSTA RICA** R. Casino, 5954, in SP 1100. ID, ads, freq and SP pops. (Alexander, PA 4-16)

•**FALKLAND IS.** FIBS, 3958, in EC daily. OC to 0859 s/on, Breakfast Show 0915-1030. ID and freqs for FM and SW. Best 0930-1000 and past 1030 but then increasing het from 3960. TCs still GMT-3. (Wilkins, CO 4-10)---Same becoming readable 1000. Mentioned Falklands 1012, birthday greetings 1018. Mixed bag of mx. Faded 1038. Vy weak and staticy. (Alexander, PA 4-9)

FRENCH GUYANA FR3, 3385, in FR 0258-0302*; ending calypso mx 0300, W anncr, NA and electric guitar IS. OC 0302. Stil w/ OC at 0306 t/out. (Moritz, OH 4-10)

GALAPAGOS IS. LV de Galapagos, 4810, in SP 0055-0202; talks by M, many mentions Ecuador, Andean mx and more traditional LA fare. Poor w/ UTE QRM. (Eric Falkenhan 4-19, MD)

GREECE VoG, 9865, in EG 0130-47; nx and local mx to 1047 when test tone to 0200. Then into GK. Apparent nx and lots of traditional mx. Vy good. Still there 0330 t/out. (Falkenhan, MD 4-20)

HONDURAS R. Variedades, 6000, in SP 0750-0832; strong. Many ads, TCs and IDs. LA and accordion mx. (Alexander, PA 4-16)

IRELAND R. Dublin, 6910, in EG 0600-15; vy good. Clear for a change w/ Elvis hits, M dj w/ ID and "hello" to someone. Then into Chubby Checker. Quite nice. (Moritz, OH 4-16)

MADAGASCAR Antansarivo, 3287a, in FR 0312-26; 4-15 W talking between bits of mx. UTE on and off killing ID though almost certain it's this. Mark presumed but pretty good sig. (Moritz, OH)

MALTA R. Mediterraneo, 6110, in FR 2135-2200; decent sig. Classical instrumental tunes, W anncr. ID by her 2159, then nx. (Moritz, OH)

NANIBIA RSWA; 3270, in EG 2340; fair and // 3295. 3270 QRMd by RTTY 0000. ID 2353 as all-night service. Religious mx. (Alexander, PA 4-9)

NICARAGUA R. Sandino (Zinica), 6120, in SP 1104-1200; strong. Marimba mx, military band, US/SP pops. Sandino ID this day and Zinica ID next morning. (Alexander, PA 4-16)

PERU R. Andahuaylas, 4839.7, in SP 0955; local mx, ID 0959 and talk. Back to mx 1004. (Alexander, PA 4-17)+++R. Andina, 4996, presumed 0410-33; no ID noted. Mix of uptempo and campo stuff. M anncr. Gone 0453 recheck. (Moritz, OH 4-15)+++R. Rioja, 5045, in SP 0344-0404*; good. Mix of folk vocals by W, rustic campesino mx, yipping numbers, M anncr, ID by M 0400 closing anncmts, NA and plug. (Moritz, OH 4-15)+++R. Amazonas, 5060, in SP 0330-33*; romantic ballads, SP pops but no huaynos. ID w/ slight echo effect 0342. Vocal NA 0350. Weak. (Alexander, PA 4-11)

SIERRA LEONE RSLBS, 4980, in EG 2210-17; nx in EG, ID by M, speech by some political leader. (Moritz, OH 4-9)

SOUTH AFRICA SABC, 3320, in AK 0411-22; het. // powerful and clear 4880. Brief instrl mx 0489 and W in briefly. (Moritz, OH 4-5)

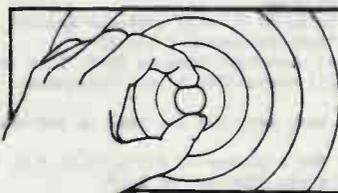
TRISTAN DE CUNHA It had been abt 3 yrs since I last wrote A.J. Calder at Tristan Radio so I dropped him a note to see if he'd rcv'd the new quipmt he'd spoken of then. My letter apparently never got to Calder and I've doubts as to whether he's still there. Postmaster of Tristan (can't make out his name) says in reply: "Tristan R. b'casts on 3290 on a mre 40 watts. The b'cast is for island coverage only--we are not endeavoring to reach the outside world. We are on the air Wed, Fri and Sun at 7:45 GMT (PM) until 10:00 PM but of course there is no chance of your hearing us unless extremely abnormal conditions existed. No plans, I'm afraid, to increase power." Mail service depends almost entirely on movement of fishing boats to Capetown. (Moritz) VATICAN Vatican R., 6252, in lang 0610-59*: ex-6209? Calssical mx and talk // 11740, 9645. IS 0639 and off. Alexander, PA)

In this issue we complete Kraig Krist's 19m EG survey:

1930-2000	15355 WRNO	2100-2130	15215 WYFR	2830-2300
15150 DW	15365 WYFR	15102 VoFGrenada	15260 BBC(As)	15140 RMoscow
15205 VOA	15400 BBC(As)	15120 VoNigeria	15280 KGEI	15185 WINB
15215 WYFR	15410 VOA	15185 WINB	15295 HCJB	15260 BBC(As)
15325 RCI	15430 AFRTS	15205 VOA	15325 RCI	15325 RCI
15330 AFRTS	15440 WYFR	15215 WYFR	15330 AFRTS	15330 AFRTS
15345 AFRTS	15580 VOA	15220 RN	15345 AFRTS	15345 AFRTS
15365 WYFR	15600 VOA(Mon)	15260 BBC(As)	15365 WYFR	15365 WYFR
15400 BBC(As)		15330 AFRTS	15375 SpanFR	15380 WYFR
15410 VOA	2030-2100	15345 AFRTS	15410 VOA	15415 VOA
15430 AFRTS	15102 VoFrGrenada	15355 WRNO	15580 VOA	15430 AFRTS
15440 WYFR	15185 WINB	15365 WYFR	15600 VOA(Mon)	15440 WYFR
15445 VOA (Mon)	15205 VOA	15375 SpanFR		15445 VOA
15580 VOA	15215 WYFR	15410 VOA	2200-30	15575 RKorea
15590 BRT	15220 RN	15430 AFRTS	15140 RMoscow	15600 VOA(Mon)
15600 VOA (Mon)	15260 BBC(As)	15440 WYFR	15185 WINB	2300-30
	15330 AFRTS	15445 VOA(Mon)	15260 BBC(As)	15100 RVilnius
2000-30	15345 AFRTS	15560 RN	15325 RCI	15140 RMoscow
15102 VoFGrenada	15365 WYFR	15580 VOA	15330 AFRTS	15145 WINB
15120 VoNigeria	15375 SpanFR	15600 VOA(Mon)	15345 AFRTS	15240 RVilnius
15205 VOA	15410 VOA		15415 VOA	15260 BBC(As)
15215 WYFR	15430 AFRTS	2130-2200	15430 AFRTS	15330 AFRTS
15260 BBC(As)	15440 WYFR	15120 VoNigeria	15445 VOA(Mon)	15365 WYFR
15325 RCI(M-F)	15560 RN	15150 RCI	15575 RKorea	15430 AFRTS
15330 AFRTS	15580 VOA	15185 WINB	15600 VOA(Mon)	15455 RMoscow
15345 AFRTS	15600 VOA(Mon)	15205 VOA		

Out of space for this issue. Tnx to Kraig for another fine piece of work. Out2B soon time,

73, *RA*



LOG REPORT

section A

2000 to 4899 kHz

Editor: Stu Klein, 642 Cranbury Cross Road, North Brunswick, NJ 08902

As a learned gentleman once said, "Here we go again!"

- 2390 JAVA RRI Cirebon; 2200 Jakarta nx relay. (Pranoto-IND ADXN 219)
- 2390 MEXICO R.Huayacocotla; 1225 Interesting indigenous fiddle mx. f(Wilkins 3/5)
- 2475T CHINA Zhejiang PBS; 1339 EG lesson "page 2, exercise 1". Weak, with no // noted to 1350 f/out. (Lucas 4/1)
- 2504 JAVA RDK Bandung; 1438 F w/western pops. (Yeo-AUS ADXN 219)
- 2695 BALI & LESSER SUNDAS RRI Endai; 1445 G in IN w/s/off ann, SCI to 1447*. (Dellit-AUS DXC 2/83) † (Dellit-AUS DXC 2/83)
- 2904 BALI & LESSER SUNDAS RPDT2 Ngada; 1515 F in IN w/annmt by M & ID 1515.†
- 2963 BALI & LESSER SUNDAS RKPDP Manggarai; 1353 G w/western & C&W songs to 1400*. (Yeo-AUS ADXN 219)
- 3015T KOREA, N Pyongyang; 1445 OM w/JP tlc, soft symphonic mx, more tlc, not //3320 in KR. p/hets/QSB(Park)
- 3200T SWAZILAND TWR; 0308 M & W in lang tlc. p(Sellers)
- 3213 MOZAMBIQUE Maputo; 0312 Af mx, M/ann in PT, tlc by M & W, mx. f(Sellers 3/19)
- 3220 ECUADOR HCJB; 0324 SP rel svce, preaching. (Long 4/2)
- 3222 TOGO Lama-Kara; 2230 Local Af mx, FR tlc 2300, NA, 2303*. f(Alexander 4/3)
- 3225T SUMATRA RRI Tanjung Pinang; 1303 RRI nx //3325 etc, M & W/ann w/freq mnts of Indonesia and Jakarta. (Murff 3/23)
- 3225 VENEZUELA R.Occidente; 0314 SP Dancing mx. (Long 3/28) 0320 M/ann w/ID, TC, YV voc mx. f(Choroszy 3/4) 0337 SP pop mx, M/ann, ID. g(Sellers 3/19) 1002 Caught end of SP s/on w/ID. (Gliksman 3/29)
- 3230 SOUTH AFRICA R.RSA; 0300 EG African nx, reading from the bible, clear ID, Good Morning Africa px. p/QRN(Stanley 3/19) 0308 EG nx, EZL mx, fgy sked. (Thunberg 3/18) 0320 Good Morning Africa px, jazz mx, fays. f(Sellers 3/20) 0338 EG interview about Botswana. (Long 4/2)
- 3230 LIBERIA ELWA; 0635 M/ann w/rel sounding px in lang to 0645 full EG ID, then into nother lang px. (Murff 3/31)
- 3240 ECUADOR R.Cult. Antena Libre; 0200 Caught w/SP s/off ann by YL, choral NA, and off. Ment Rep. de Ecuador. wk(Vaiko 3/29)
- *3250 BORNEO RRI Banjarmasin; 1230 M & W w//tlc, bizarre flute mx. (Murff 3/23)
- 3250 HONDURAS R.Luz y Vida; 0326 Px of trad sounding vocals, M/ann, ID 0330 to more mx. (Gliksman 3/20) 0330 OM w/IDs, MoR mx, pops. vy wk(Jordan 3/8)
- 3250 SOUTH AFRICA R.5; 0311 TC, rock mx, ID & telephone # for requests. (Cooper 4/4) 0355 Mx by Bob Seegar, ID, more rock. vp(Choroszy 3/4) 0431 OM DJ w/pop mx, IDs, ads. f(Manning 3/22)
- 3255 LIBERIA LBS; 2246 EG pop mx px, ID as "You are listening to the Friday nite request px," greetings to listeners, etc. g(Sellers 3/18) 2230 Fire & brimstone preacher, ID, nx 2300. g(Alexander 4/3) *0428 NA, OM w/ID, rel tlc then nx, mx. f(Stephany 4/7) 0525 Tribal mx, EG ID 0532, vernac tlc. (Thunberg 3/23)
- 3270 SOUTHWEST AFRICA Windhoek; 0445 Church px in lang w/organ mx & short tlc to 0500 gospel mx. f/p, erratic QSB(Park 2/27)
- 3275 VENEZUELA R.Mara; 0205-0400* Usual px of Lam pops, IDs, etc. (7 rep)
- 3280 ECUADOR LV del Napo; 0235 HC mx, LV del Napo ID. f(Rigas 3/19)
- 3285 BELIZE RB; 0310 End of BBC nx, local wx & forecast for next day. g(Jones 3/14) 0445 EG pops, TC, ID, OM DJ, s/off ann & off 0510. f(Manning 3/19) 0450 Pops to 0500 bells, ID, TC, nx. p/f(Sellers 3/19) 1105 Finlandia, prayer in SP, EG ID foll by Happy Birthday. f/g(Bobb 3/10)
- *3288 MADAGASCAR Antananarivo; 0257 Guitar IS, NA by chorus, 0300 annmts, mx, then M & W w/nx. p/CW QRM(Sellers)
- 3295 SOUTHWEST AFRICA Windhoek; 2245 M/ann w/mix of EZL, pop, and organ mx. Finally got EG ID 0208 as "all nite svce of R.Southwest Africa." wk(Alexander 4/3) 0210 EZ mx sel, mellow voiced M/ann w/quick AK annmt, back to mx. f/UTE(Klein 4/7) 0341 Pop mx & EZ mx, EG ID 0400, AK px w/mx, ID. (Mellberg 4/6) 0457T Sounded like rly of SABC AK NX TO 0500 time pips & tlc, mx. (Gliksman 4/2)
- 3300T BURUNDI Bujumbura; 0356 Af mx on drums w/singing, tlc by M in lang, more mx, then tlc by M in FR to 0430. (Lazarus 3/22)

- 3305 INDIA AIR Ranchi; 1532 Wk w/EG nx fa Delhi. (Yeo-AUS ADXN 219)
- *3306 TIMOR RRI Dili; 1147 IN songs by W to 1158, annt by M, SCI, into apparent Jak nx relay by M. Presumed site. (Lazarus 4/5) But nifty none-the-less—sdk
- 3316 ECUADOR R.Pastaza; 0138 Mx, tkl by M, more mx, full ID 0148. p/under RITY (Bolland 3/15) 0305 LAM mx, tkl, OM w/ID 0330, QTH, more mx. f/p(Jordan 3/11)
- 3320T SOUTH AFRICA SABC; 0419 OM & YL w/AK tkl, many ment SAF, mx, etc. (Manning 3/22)
- *3325 BORNEO RRI Palangkaraya; 1246 Many ment of Palangkaraya then an ID by M, mx mod seemed weaker than voice. (Johnson 3/17) 1250 F/ann w/slo IN vocal mx px, M/ann w/ID 1258, SCI, nx. Bad ute on fqy(Murff 3/23)
- 3325 GUATEMALA R.Maya; 1136 Organ mx to Om ID, tkl, LAM mx. g(Hensley 3/17)
- 3330T PERU Ondas del Huallaga; 1113 Huaynos, OM/ann, mixing w/CHU. p(Wilkins 3/14)
- 3335 SWAZILAND TWR; 0304 OM preaching, hymns. f/CHU QRM(Sellers 3/19) 0313 Lang choral mx ending with big AMEN! f(Johnson 3/11) 0355 IS, EG ID, piano bridge, into AK hymns. (Sheedy 3/14)
- *3339 ZANZIBAR RTZ; 1755 SH tkl. (Wood-SAR 3/18)
- 3350 GHANA Ejura; 0615 M/ann w/EG nx incl lottery numbers, then vern tkl. g(Sellers)
- 3360 GUATEMALA LV de Nahuala; 0303 Mariimba mx, s/off ann w/calls & fqys, ID by M, mariimba mx, then off. f/UTE lo side(Walko 3/29)
- 3370 GUATEMALA R.Tezulutlan; 0210 Mariimba mx, ID by OM 0217. (Thunberg 3/18) 0221 Mariimba mx, ID 0226 & 0228*. f(Rigas 3/19)
- 3375 BRASIL R.Nal. São Gabriel; 0919 PT ranchero mx. g(Sellers 3/19)
- 3381 ECUADOR R.Iris; 0300 SP mx px w/ID 0330. f/g(Lausevich 3/30) 0329 Mx w/no ann till Andes mx 0359 w/s/off ann, NA, 0404*. g/vg(Stephany 4/8) 1129 LAM vocals, TC, ID 1121, vg on good OA/HC AM. (Wilkins 3/14)
- 3385 FRENCH GUIANA FR3 Cayenne; *0900 NA, march, mx sels, TC. f(Bobb 3/29) 0917 M/ann w/FR contemp mx. g/het(Sellers 3/19) 0925 SP mx px w/OM in FR, het, // much better 5055. f(Konen 3/26)
- 3385 NEW BRITAIN RENB; 1236 Vy primitive mx w/2 M wailing, almost ME sound, short annt by W. (Johnson 3/16)
- *3385 TIMOR RRI Kupang; 1155 Inst mx to SCI 1159, Jak nx, "Satu Nusa, Satu Bangsa, Satu Bahasa Kita" 1226-1227, then tkl by M & W. Presume site(Lazarus 3/23)
- 3395 ECUADOR R.Zaracay; 0240 Px of mx w/annts by M, ada, freq IDs. vg/faded to f 0300(Stephany 4/8) 0249 ID, mx, abruptly off 0250. f(Cooper 4/4)
- 3395T SUMATRA RRI Tanjungkarang; 1310 RRI net nx px, //3225 etc. (Murff 3/23)
- 3395 VENEZUELA R.Universidad; 0307 Cmcl, ID by W, LAM pops. g(Jones 3/14) [Hi Jack] 0340 LAM mx. QRM(Long 3/26) *1002 NA, full s/on annt, freq TCs, vg to HC s/on 1018. (Stephany 3/15) *1005 NA & state anthem, s/on by OM, mx, etc. (Mikell 3/14)
- 3414 INDONESIA Unid; 1240 M/ann w/Indo island nx px, ute on freq USB. (Murff 3/23) Mayhap an RK drifting around; there are several in this range—sdk
- 3810 ECUADOR HD2IOA; 0533 Time pips. f(Mellberg 3/29)
- 3830 VENEZUELA R.Tachira; 1007 //4830, vy wk. Prob mixing product of SW and AM (1000) fqys. f(Wilkins 3/25) Agree—sdk
- *3930 CAPE VERDE R.Voz de São Vicente; 2319 T/in to PT discussion px w/OM & YL, ARD QRM 2330-2348, clear w/PT mx, s/off ann, NA, IS 2356, 2358*. g(Stephany 3/12)
- 3930 TRANSKEI Capital R.; 0357 EG rock mx, ID, nx, wx, ada. vp/ham QRM(Fisher 4/7) 0415 Stevie Wonder mx, TC, OM w/ID, promo, ad for Johnson cigarets — "Men rate Johnson great!" (Mikell 3/14) I rate 'em, one and all, as cancer sticks!—sdk
- *3935 JAVA RRI Semarang; 1330 F/ann w/trlk & slo IN mx, ID 1337(Murff 3/23)
- 3945 BALI & LESSER SUNDAS RRI Denpasar; 1100 Balinese news, strong sig. (Wakisaka-Bali ADXN 219)
- 3945 VANUATU RV; 0913 M/ann in EG w/pop tunes. f/better than //7260. (Sellers 3/19)
- 3955 ENGLAND BBC; 0512 Twenty-Four Hours px. f(QRN(Rigas 4/8)
- *3958 FALKLAND ISLANDS FIBS; *0900 ID statement, fqy list, TC, BBC WS nx, Review of British Press, ID, Breakfast Show. [My better judgement counsels that I simply give the number of reporters and leave it at that as I usually do, but this is rather special, so...] (Baxter, Berg, Bobb, Bolland, Carleton, Cooper, Field, Hosmer [who gives his location as "Cloud 9"], Jones, Klein, Konen, Krist, LaFrance, Lucas, Mellberg, Meyer, Miller, Rigas, Sellers, Sheedy, Stephany, Thunberg, Treibel, Viens, Wilkner)
- *3975 JAVA RRI Surabaya; 1320 F/ann w/slo IN pops, not on RRI net for 1300 nx px. Full ID 1341. (Murff 3/23)
- *3995 AARSFSR Nikolaevsk-na-Amure; 1059 R.Orbita 1 in RS, px sounder 1100 and into RS nx. //4485 better sig. Tnx Wilkner call. (Reinstein 3/25) Tnx who?!—sdk
- 3995 GERMANY W DW; 2355 GM pop mx, mtn DW. g(Sellers 3/18)
- 4040 AARSFSR Vladivostock; 1220 RS mx, Mayak IS & nx 1230. f(Rigas 3/14)
- *4120 KOREA N V.Rev. Pty. Reun.; 1111 Spontaneous tkl, real clear sig. Tkl continues to 1128, when singing noted. f(Bolland 3/19) 1400 EG ID, fqy sked, mx, ann as coming from Seoul but doubt that. f(Zilmer 3/26) So do I!—sdk
- 4200 CHINA RB; 1354 EG px in FS, ann as the SEAs xmen. (Dellit-AUS DXC 2/83)
- *4606 WEST IRIAN RRI Serui; 1020 IN songs, M w/ID 1030, "Inilah RRI Serui" then M & W w/trlk. Now here ex-6206. (Sparks FT 227)

- *4635 TADZHIKSTAN Dushanbe; 0035 All RS tkl by M & W in usual format. Site presumed, of course. (Reinstein 4/18) [Of course!] 0122 W w/ tkl, then into opera mx. f under UTE (Wilmer 4/4)
- 4648.5 VIETNAM Unid; 1330 Regional here w/string mx, long tkl by W w/freq ment of Vietnam to 1356*. (Sparks FT 227)
- *4649.6 BOLIVIA R.Santa Ana; 0208 Tip and pos ID via Wilmer; SP M w/ments of Bolivia, GMT-4 TCs, nondescript ballads, local flute tune, pulled plug. g(Krüger 3/20)
- 4652 VIETNAM Binh Tri Thien; 1337 M & W swapping the mike to 1359*. 3 days earlier, was found on 4648 from 1318 to 1359*. Audio quality suggests that this is a ute transmitter. (Hill ADXN 219)
- 4656 ECUADOR CRE; 0431 SP s/off ann, NA, 0434*. f(Rigas 3/8)
- 4680 ECUADOR R.Nac. Espejo; 0331 OM w/SP ID, vocal mx. (Winkelman 3/29)
- 4699T JAVA RKIP Surabaya; 1147 M & W tkl, mx to 1200 nx, freq mant-Ind.wk(Murff 3/23)
- 4719.3 CELEBES RRI Ujung Pandang; 1215 Mx by OM, vg w/no UTE this day. (Wilkins 3/5)
- *4724.8 SENEGAL Dakar; 2357 Long px of Af hi-life mx, NA by band 0102 and 0104*. Back on 4890 since. (Reinstein 3/26-27) 0030 Hilife mx px, annt 0100, NA, off. Back 4890 next day, IDed by NA. Powerhouse here, better than 4890. Have slipped down here in the past, no? (Berg 3/28) Yes--sdx
- *4730 KOREA,N Pyongyang; 1404 SP px, ID as "Aqui R.P." into "Comentario de hoy" and Kim Il Sung biography. TBS liats 4405 not heard. //9560 & 9745. MF? (Sheedy 3/19) This is a new one on me; may well be NF as you suggest--sdx
- 4740T AFGHANI SSR RA; 0131 Islamic chants. p/QRM(Sellers 3/19)
- 4753 CELEBES RRI Ujung Pandang; 2232 Still showing strong in lcl evenings. Also noted 1058-1130 on 4/5 only, then back to usual 4719 on 4/6. (Reinstein 4/8) 1121 M w/ tkl, poss mx, then mx & more tkl. p(Bolland 3/27) Hi Chuck--sdx
- *4754.6 BOLIVIA R.Em. Bolivia; 0227 M w/clear SP ID & TC, mostly nondescript LAm love ballads. (Krüger 3/20)
- 4756 BRASIL Rdfa. Maranhão; 0835 PT accordion pop, M/ann w/ID, ment OC and band. trop., vy overmod & strong(Klein 4/4) 0835T Mx & tkl by M & W using reverb mike which caused trouble w/copy. f(Bolland 3/11)
- *4756 PERU R.Huanta; 1000-1106 OA mx, IDs as "R.Huanta del Peru." (6 rep)
- 4760 VENEZUELA R.Frontera; *1005 M/ann w/s/on annt - ID, calls, etc. - promo, YV harps. f/g(Klein 4/2) 1008 NA, ID, march mx, LAm pops. (Glikman 3/29) 1024 Mx, ID as "Esta es la señal de R.Frontera" w/fays & calls. (Reinstein 4/12) 1037 Mx, tkl, more mx, ads, ID, sta promo. (Bolland 3/19)
- 4765 BRASIL R.Rural Santarem; 0830 Nice PT pop mx sel to M/ann w/ID, TC, chatter, more of same mx. vg(Klein 4/4)
- 4765 LIBERIA ELWA; 2255 EG rel. mx, ID, s/off w/NA 2301*. (Alexander 4/2) Same (Glikman 3/29) 0650 EG-promos, BBC nx, mx. (Plus 3/26) 0658 EG reg. nx, 0700 BBC WS nx, 0711 ID. g(Wilkins 3/3)
- 4770 NIGERIA Kaduna; 2230-2310, 0400-0510 Usual mix of tkl & mx. (8 rep)
- 4770 VENEZUELA R.Bolivar; 0853 In w/ads, TC, tkl. Sung ID 0857. f(Bolland 3/11) 1020 SP ads, TC, ID, LAm mx. (Purdum 3/31)
- 4777 GABON Libreville; *0447 NA, FR s/on, hi-life mx. p(Wilkins 3/3)
- 4780 VENEZUELA LV de Carabobo; 0032 ID, ad for bank, LAm vocals. (Thunberg 3/23) 0142 Mx, ID, more mx. f(LaFrance 3/15) 0155 Mx, freq IDs. g(Lausevich 3/28) 0338 Mx w/OM, ID 0352, NA, 0357*. (Stephany 4/5) 1045 Tkl by OM, mx at times, many IDs. (Hensley 3/12) Hi Baxter--sdx
- 4781 HONDURAS R.Juticalpa; 1118 SP annt and ID. (Johnson 3/14)
- 4785 AZERBAIJAN Baku-ku; 0208 M & W w/nx(?) to 0214 dead air (a capitalist manager of a radio station would fire the program manager for this, hi!) into W and piano mx 0215-0230. g(Wilmer 4/13) Over there, they probably get shot, not fired--sdx
- 4790 PERU R.Atlantida; 0354 Soft voiced ann and quiet LAm mx to solid ID 0359, pleasure to listen to. (Winkelman 4/4) 0435 MOR mx, tkl, IDs. (Samuel) 0550 Rock mx px, ID, NA, 0602*. (Glikman 3/29) 0600 S/off ann by OM, NA, off. g(Wilkins 3/20) 1027 Mx, ID, sermonette. f/g(Meyer 4/9)
- 4795T ECUADOR LV de los Caras; 0209 Tango and SP ads, all tkl w/reverb mike which, with RTTY QRM makes an ID difficult. p(Bolland 3/8)
- 4800 ECUADOR R.Popular; 0236 Flute & harp mx, ethereal & I love it. vg(Robinson 3/12)
- 4800 VENEZUELA R.Lara; 0125 SP mx. (Washburn 3/13) 0230 LAm mx, ads, IDs. f/het(Stanley 3/14). 0329 Mx, tkl, mx, ID. QRM(Worob 3/14)
- 4810 ARMENIA Yerevan; *0047 Test tones to IS 0059. Armenian anthem 0100 foll by "Khosume Yerevan" ID by W 0104. Brief silence & px sounder twice 0105, into tkl & mx to 0120 QSB. (Reinstein 4/18) Thanks for a most detailed report!--sdx
- 4810 GABON Af.#1; 0500 FR s/on by YL, mx, mx. g(Manning 3/23)
- 4810 PERU R.San Martin; *0930 Vocal NA, s/on annt by OM, into mx ps. f/p/QRM (Stephany 4/5) 1010 Hi-pitched OA mx sel, M/ann w/fast tkl, ID. f(Klein 4/2)
- *4810 GALAPAGOS LV de Galapagos; 0130 Three sets of lcl mx, OM/ann betw. sets, two IDs plus ment of Ec. p/QRM(Jordan 3/30)
- 4815 BRASIL R.Nal. Tabatinga; 0005-0406*, 1010-1100 Usual mx & tkl px. (8 rep)

- 4815 PERU R.Amazonas; 1035 Lam ballads, heavy on flutes, M/ann w/TC, ID.f(Klein 4/2)
- 4815 UPPER VOLTA Ouagadougou; 0611 FR tlc about unsuccessful coup in Ghana, disapp [Pfull!] mx, hilife mx, 0630 IS. p(Wilkins 3/5)
- *4820 ANGOLA Luanda; 2255 Hilife mx, PT M ID 2301, back to hilife, slowly overcome by HRVC. f(Kruger 4/2) 2310 PT & EG pop mx sels, M/ann w/tlc, ment Luanda. f/UTE(Klein 4/1)
- 4820 ECUADOR R.Paz y Bien; *0905 NA, ID, px preview. f(Rigas 3/28) 0928 M w/tlc for extended periods, occ mx sels. (Field 4/4)
- 4820 MONDURAS HRVC; 0430 SP ID, rel mx. (Samuel) 0445 OM w/SP tlc, organ mx, tape 0456 to ID. (Winkelman 3/26) 0441 EG rel px to 0500*. f(McCasland 3/14)
- 4825 AARSFSR Vladivostok; 1146 Blasting in w/RM in lang to 1159 Moscow FS IS & into CH or dialect thereof 1200. Not //4040 or 5015 both Vladivostok as well(Reinstein)
- 4825 BRASIL R.Educ. Braganca; 0840 EZ mx sel to M & W w/back and forth tlc, ment Braganca, EZ vocal sel. vg(no UTE). (Klein 4/4)
- 4825 GUATEMALA R.Mam; 0041 Marimba mx, tlc by YL & M/ann w/ment of Guatemala, UTE QRM too great for ID but got it next nite when UTE was off. (Valko 3/16-17) 0225 Marimba mx to 0335*. WRTH says 2400*. (Rigas 3/17) So much for listed s/on - s/off times; many things change after the book is published--sdk
- 4825 PERU LV de la Selva; *1000 NA, ID by W foll by ID by M. (Wilknr 4/5) 1005 MoR mx sel, OM/ann w/TC, tlc, ID, nother mx sel. f(Klein 4/4) 1015 Andean vocals, px was "Mx Folklorico" to 1022 ID. (Glikeman 4/5) 1030 Tlc by M, brief mx, quick ID. g thru the QRM(Valko 3/30)
- 4830 VENEZUELA R.Tachira; 2230-0400*, *0905-1100 Usual mx & tlc px. (12 rep) I note this sta to have the most nifty version of the NA at s/on--sdk
- 4832 COSTA RICA R.Reloj; 1212 Excerpts from the Pope's speech. g(Wilkins 3/3)
- 4835 BRASIL R.Nal. Boa Vista; 0334 Ment of RadioBras, mx, ID 0347, vocal samba, s/off smt and 0403*. (Hallberg 3/19) 0340 Rly of natl mx feeder, IDs for R. Nac., quick f/out. (Glikeman 3/22)
- *4839T BRASIL R.Evangalica; 0845 Px of PT pop sels, ads (some ment Corumba), quick clikng M/ann, small rel mx tlc 0900, M/ann w/ID, diff ann w/sermonette, wiped out by *0905 Boa Vista. Fairly sure on this but ID was garbled somewhat. (Klein 4/4)
- 4835 GUATEMALA R.Tezulutian; 0057 Om w/SP tlc, mx, ID. f/g(Worob 3/13) 0215 Mx w/band, marimbas, lang ID. wk/QRM(Stanley 3/18)
- *4838 MOLUCCAS RRI Ambon; 1139 Big sig w/IN tlc & Koran recitation, wandering from usual 4845. Tnx Cosier. (Reinstein 4/5) 1200 As Unid w/SCI, too wk to ID. (Mayer 4/2) Will be interesting to see if they eventually wander back to 4845--sdk
- 4835 SOUTH AFRICA SABC; 2145-2205*, 0406-0530 EG variety px. (8 rep)
- 4839.7 UNID 1037 TC for GHT-5 in SP by M, nondescript mx w/het from YV on 4840, used to 1047. (Wilknr 4/3) Parchance the below--sdk
- *4840 PERU R.Andahuaylas; 0146 Px of OA mx, mostly played by violins and other stringed instruments, with anmts by M. Some clear ment of Andahuaylas including "...transmitiendo desde Andahuaylas" and sevl TCs. (Lazarus 4/4)
- 4844 VENEZUELA R.Valera; 0101 OM w/SP tlc & rock mx. f(Worob 3/13) 0202 SP mx, ID, more mx. f(LaFrance 3/18)
- *4843 CONGO Pointe Noire; 1910 FR mx, tlc in Brazzaville px, lei ID 1930, FR tlc. p/UTE QRM. (Vance-FRG 3/17)
- *4845 MALAYSIA RTVM Kuala Lumpur; 1140 Typ subcont mx at fair level. Listed in WRTH as "Indian." Audible w/Ambon off fqy. (Reinstein 4/5) 1150 OM/ann in lang w/lei mx sels, 1200 ID & tlc. f(Hensley 4/1) 1245T M/ann in lang, pentatonic & wild sounding mx. f/g(Bobb 3/19)
- 4850 CAMEROON Yaounde; 2201 OM/ann w/FR mx. g/het(Sellers 3/18)
- 4850 SURINAM SRB; 0230 Rock/pop mx, many DT IDs, EG intros of some song titles. g(Fisher 4/6) 0405 OM DJ w/EG pop mx, DT ID, s/off ann, NA, 0431*. g(Manning 3/9) 0425 Lam pops, OM DT DJ. (Gorichanz 3/18) 1010 W/ann w/SAM pops, calypso, F/ann w/DT mx on 1/2 hr. f(Bolland 3/9)
- 4851 ECUADOR R.Luz y Vida; 0156 OM w/SP tlc, IDs, mx. f/QRM(Worob 3/12)
- 4853 YEMEN ARAB REP San'a; 0306 Rel recitations, better than //9780. (Wilknr 4/2)
- *4854.3 PERU R.Pampas; 1020 M/ann w/fast paced OA mx px, IDs yelled over mx. Full ID & fqy at 1031. (Murff 3/23) 1050 Nice, huaynos, ID 1054 by M, "Uds. sintonian... Pampas en la banda internacional de 60 mt." f(Reinstein 4/13) 1015T Lam ballads & huaynos, M/ann. vy p(Wilkins 3/25) 1100T Ment of Pampas in sentence, just can't get clear ID. (Wilknr 4/12)
- *4855 BRASIL R.Por um Mundo Malhor; 2345 US pop mx, PT ID & nx 2400. (Rigas 3/17)
- 4860 UNID 0427 One of the wierdest sigs I've ever heard; a drum-roll-and-dog-howl 1/2 to plug-pull at 0431*. This one night only (hopefully!) (Klein 3/26)
- 4865 COLOMBIA LV del Cinaruco; 0101 Mx, ID by OM 0105, ads, Lam vocals. (Thunberg 3/29) 0337 Quiet Lam ballads, Caracol ment, ID, NA, 0401*. (Winkelman 3/24)
- 4870 BENIN Cotonou; 0402 Af pops to 0420, OM/ann in FR, then tlc in vernac to 0450 ID. f/g(Wilkins 3/21) 0555 FR ID, pop mx. vg(Petersky 3/13) Be sure to look for the new Benin outlet at Parakou on 5025...see LR-8 for more details--sdk

- 4870 ECUADOR R.Rio Amazonas; *1018 NA, indigenous flutes & HC mx to 1030 ID in lang, then more HC mx & rel mx. f(Wilkins 3/22)
- *4870 SRI LANKA SLBC; Mx, many cmcls in lang, including one for penlight batteries, IDs per WRTH at 0042/0100. f/p/UTEs(Vance-FRG 3/6)
- 4875 COLOMBIA LV del Norte; 0101 OM/ann w/SP ID, nice mx. (Winkelman 4/4) 0300 Tlk by sharp voiced OM, SP mx sels, many IDs & anns. Tough copy under Super. (Jordan)
- 4875 COLOMBIA R.Super de Medellin; 0449 "Intermedio" px w/OM & opinion-px. ID 0453 W/flashy lead-ins, then mx px. (Stephany 4/8)
- *4875 BOLIVIA LC del Sur; 0952 ID by M "R. La Cruz del Sur transmite de La Paz...en Bolivia y Sudamerica." Rel hymns & mostly "La palabra de Dios." No HJ peats noted this AM! (Reinstein 4/2)
- *4878.5 PAKISTAN Quetta; 0042 Wk w/seaming subcont mx, maybe IS, not sure. Anmt 0044, then into chants. Pips 0100, prob into mx. Little QRM so audible right now. Subsequently heard with R.Pak. IS around 0140. (Berg 3/21+ff) 1450 Pak mx, 1500 Urdu ID. g(Wood-SAR 3/15)
- 4880 SOUTH AFRICA SABC; 2135 EZL inst mx, pop mx, AR ID & closing anmt to 2200*. (Alexander 4/3) 0400 AK ID by M/ann, nx, choir. g(Stanley 3/16)
- 4885 COLOMBIA Ondas del Meta; 0550 LAm inst mx, def ID by M 0555, foll by more mx. f(Jordan 4/2) 0147 In w/LLano relay, mx, tlc, etc. f(Bolland 3/26) 0350 Cont mx w/TC every anmt, full ID 0358. vg(Stephany 3/27)
- 4885 ANGOLA Mbango-Congo; 2010 PT mx, tlc ment Mbango Congo and Angola, full ID by YL 2030. f/p/UTE(Vance-FRG 3/26) Nice--sdk
- 4885 BRASIL R.Clube do Para; 0455 PT mx, sung ID, tlc by 2 M. (Samuel)
- 4890 ECUADOR R.Cantinsela del Sur; 1112 "Dust in the Wind" (EG pop), then SP vocals to 1131 ID & fqys. f(Wilkins 3/26)
- 4890 SENEGAL Dakar; 2220-0102, *0557 (*0658 Sundays)-0730 IS, quick ID at s/on, usual FR tlc, Af mx, etc. (12 rep)
- *4895 BRASIL R.Cult. da Bahia; 0927 Long PT tlc by M, ment of R. Cult. f(Rigas 3/20) 0940 Accordion mx, M/ann w/ID, long tlc, gave couple of phone #s, more mx. Bare missing these past few days. (Klein 4/9)
- *4895 TURKMENIA Ashkhabad; 2304 Wk sig w/Mayak px, RS nx to 2307 & into RS pop mx. Def // 4930. (Reinstein 4/10)
- 4899 JAVA RRI Surakarta; 1505 All IN px, WRTH lists as 500 W. p(Treibel 4/3)
- 4899.5 ECUADOR LV de Saquisilí; 1117 Anthem type song (since not NA then perhaps Provincia de Cotopaxi anthem?). Echo chamber ID mostly obscured, into HC mx. (Reinstein 4/4) This last log a little raid by LR-A into the domain of LR-B--sdk

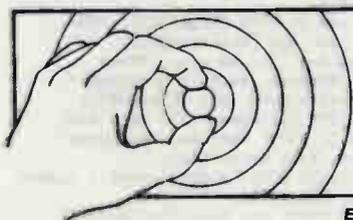
Klein's oddball abbreviations: FRG = Germany, W; SAR = Saudi Arabia; AUS = Australia; IND = Indonesia; FT = Fine Tuning, a DX newsheet published by Dan Ferguson; DXC = DXers Calling, the bulletin of DX Australia; ADXN = Australian DX News, the bulletin of the Australian Radio DX Club.

As you've no doubt gathered by perusing the column and the above abbreviations list, I have once again done some very selective reprinting of loggings from other sources this month. I received some nice comments on last month's column, including the reprinted items, so I guess that I will continue to do so, provided there is news worth reprinting and I have the room available. The loggings that you send me get first priority over material from any other sources. As always, items from reporters overseas, whether directly to me or via reprinting, are marked with the country of origin.

I've received some interesting thoughts in letters from some of you. There are those who hesitate to send in their loggings since they consider them to be "garden-variety" DX. Well, what may be garden-variety to one listener may be a much sought-after station for another. The idea of the column, and the bulletin, is to share the results of your listening with the others in the club. Next time you have a log and say to yourself, "I won't send this in...nobody'd be interested in it," send it in anyway! You might just be wrong about no one finding it of interest!

Lastly for this month, a few random notes. PLEASE put your name on your loggings. If you use only initials, unless I can find out who you are some other way, the loggings will wind up as either: A) Residing in the circular file; or: B) Listed with your initials as the reporter's name (i.e., a logging from me might have the name (Sdk 3/30) or some such). One of you almost suffered that fate this month. I've recently had the pleasure of listening to a tape, sent to me by Dave Walcutt (former LR-D editor), of the various types of things that you might hear from stations in nine countries that broadcast in Arabic (news, themes, IDs, etc); I suspect that it could be a genuine help to those who have an interest in DXing such stations. If you are interested in such, why not drop him a line?

Well, my allotment is gone for this month, but we'll be back again in the next issue. Till then, 3's & 7's, and KEEP THE LOGGINGS COMING IN!



LOG REPORT

section B

4900 to 6199 kHz

Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

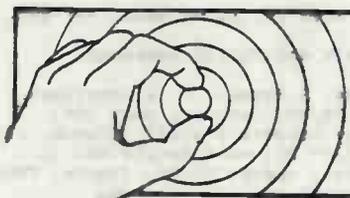
Several new stations reported this month. See 5025, 5286, 5974 and 6080 . . .

- 4900 VENEZUELA R. Juventud, to 0355* 4-6 (Passkiewicz); 2245 3-28, pops (Weinhold).
- 4905 BRAZIL R. Araguaia, 0910 4-4, pops, reverb TCs, ID, ads, very good (Klein-NJ).
- 4910 ZAMBIA Lusaka, popular this mo. Fish eagle IS 0346, 0350 s/on, sched, ID, EG at s/on (HTS, Konsn-IL); EG nx to 0410 3-29, then lang (Cooper); nx 0420 4-2 (Rigas-IL); 0410 4-2, ad for Kodak, nx, vy good (Krusger-FL); 0426-0500 3-6, choir, lang ID, promo, native singing, good level at tune-in, but deteriorated (Cunningham); EG nx 0504, ID 0505, Dolly Parton 0511, 3-19 (HTS; who are you? JB); fair 0505 4-7 (Klein-NJ).
- 4915 COLOMBIA Arm. de Caqueta, exc to 0520* 4-1 (Valko); *1003 w/bells, TCs, 3-12 (Stephany-NY); *1000 4-4 (Klein-NJ); poor at 1045 3-8, almost gone by 1109 (Bolland-FL).
- 4915 GHANA Accra, EG nx 0600, IS 0615, lang (Wilkins-CO); ID 0615 3-13, nx (Petersky-TX).
- 4915 KENYA Nairobi, poor w/Swahili nx 0405 3-12, ID 0415 (Rigas-IL); tent. only, poor 3-8 2142-2209 s/off or fade, seemed religious prgm from 2145; barely audible (Bolland-FL).
- 4920 AUSTRALIA ABC-Brisbane, ID 1200 3-17, nx (Bobb-MN); nx 1205 3-31, clas.m (Purdum).
- 4920 ECUADOR R. Quito, HC vocals 2344 3-13, TC 2348, fair sig (Chorosy-ME).
- 4920 USSR Yakutsk, 1205 4-2, poor w/clas.m and RS talk, //4940 (Rigas-IL).
- 4922 PERU Tent. On.del Titicaca, huaynos, saludos, poor 3-14; AM (Wilkins-CO). Time? JB.
- 4925 BRAZIL R. Dragao do Mar, jingles, mx, 0259* 3-3 in mid-song (Wilkins-CO); 0810 4-11, PT mx, ads, more mx, fair-weak (Klein-NJ).
- 4930 GEORGIAN SSR Tbilisi, tent. 0037-0051 3-21, comments, contemp. mx, poor (Bolland-FL).
- 4930 UNID. 0500-past 0600 3-10, "Musica Libre" prgm, open carrier other nights (Johnson-TX).
- 4935 PERU R. Tropical, ads, IDs, nx, 1028 3-29 (Glikman-IL); 1030 4-2 (Klein-NJ); ads 1049 3-9, TC and ID 1100, then mx, fair sig (Bolland-FL).
- 4940 UNID. 0052-118 3-21, man in RS, clas. mx, ID 0100, mx to 0115; poor-fair (Bolland-FL).
- 4940 IVORY COAST Abidjan, chatter, FR pops, Afro mx, 0610 4-4 (Klein-NJ); mx and talk 2211 3-8 (Bolland-FL); fair with jazz mx, 2240 3-17, //7215 (Rigas-IL).
- 4945 COLOMBIA Caracol Neiva, ID 0405 4-7, nx (Cooper); 0414 3-8, nx, TCs, ads (Vance-FRG).
- 4950 SARAWAK Kuching, 1115-1150 3-26, EG nx 1130, mx 1145, poor sig (Bolland-FL).
- 4955 BRAZIL R. Marajoara, Br.vocals, TC 0930 3-5 (Wilkins-CO); tent. ID 0914 4-6 (Mellberg-IA).
- 4955 INDONESIA MRI-Banda Aceh, 2312 3-5, a few IDs, distorted audio, ute QRM (Vance-FRG).
- 4960 ECUADOR R. Federacion, ID 0157 3-30 (Rigas-IL); NA w/wide chorus *1033 4-4 (Klein-NJ).
- 4965 COLOMBIA R. Santa Fe, 0935 3-27, canned ID, TC, mx, fair sig (Bolland-FL).
- 4965 NAMIBIA R. SWA, 2257 3-18, EG/GM mx, GM amt 2312, EG ID 2330, //5270 (HTS).
- 4970 VENEZUELA R. Rumbos, LA mx 0250 3-18, VG (Stanley-AZ); talk, mx, 0439 3-15 (Gorichanas).
- 4975 BRAZIL R. Timbira, 2153 3-19, mx, talk, fqy amt 2153, 2201, poor w/ute (Vance-FRG).
- 4975 COLOMBIA On.del Ortegausa, ID 1015 4-4, mx (Rigas-IL); *0959 4-5, "Amanecer Campesino" prgm (Stephany-NY); LA mx, ooke ads, no ute 4-5, 1012-1054 (Glikman-IL).
- 4977-78 ECUADOR R. Tarqui, in progress 1053 3-31, ID, NA 1100, nx, fqy given as 4970, tnx Laz for help w/ID (Jones-MS); 1046-1130 4-1, huge sig, apparently soon after s/on, HC mx, amt w/echo on "Tarqui", ID as Radiodifusora Tarqui, "lo mejor de lo mejor". Long NA 1057, nx, IDs 1109, 1119, announc 990 MW, 4980 SW; tnx Jones for tip (Lasarus-LA); 1056 4-5, flute mx, NA 1057, s/on amt, spotty; tnx Ralphus for ID (Foxworth-NY).
- 4980 VENEZUELA Ecos del Torbes, 2345 3-22, ID, LA mx (Thunberg-PA); "La Voz del CID" prgm hrd 0120-0145+ 3-25 (Jordan); mx, TCs, IDs, VG 0922-1010 on 4-9 (Meyer-WI).
- 4985 MALAYSIA Penang, oldies 2207 3-5, BE ID 2224, nx 2230, poor sig and audio (Vance-FRG).
- 4990 NIGERIA Lagos, *0429 4-7 w/IS, ID, pledge, nx, mx (Stephany-NY); hillife mx 2203 3-23, full ID 2300, nx, NA, off 2306; fair sig (Bolland-FL).
- 4990 S. AFRICA R. RSA, EG hrd 0304-0317 (Chorosy-ME), 0405 (Stanley-AZ), 0410 (Thunberg-PA), 0420 (Gorichanas).
- 4990 VENEZUELA R. Barquisimeto, LA pops, OM DJ, 0000 3-19 (Gorichanas); light mx 0015-0100 3-13, also hrd on 4800, 4900 (Bobb-MN); ID 0200 3-20, fair-good (Vance-FRG); IDs, ads, 0205-0215 3-27 (Mayer-PA); full ID 1048 3-11, mx, good sig (Bolland-FL).
- 4996 PERU R. Andina, shouting, mx, 1025 4-2, VG-exc (Klein-NJ); 1037-1050 3-25, TC, talking, full ID 1041, nx, fair sig (Bolland-FL).
- 5010 CAMEROON Garoua, EG/FR IDs till s/on, 0427 3-25, 7240 also hrd but weaker (Johnson-TX); 4-7, into EG from vernac 0530, nx, bad audio but good sig (Stephany-NY); EG nx 0530 3-29 (Thunberg-PA); 3-20 2200, FR, mx, amt-s (HTS).
- 5015 BRAZIL R. Cultura de Culaba, "R. Cultura" ID 0715 4-4, TC, local amts (Klein-NJ); Br. love songs 0733 3-31, YL host; ID 0800, livelier mx, "Bom Dia" (Mikell-IL).
- 5015 PERU R. Moyobamba, *1020 4-2, NA, echo ID, very good this date (Klein-NJ); 1024-1031

- on 3-15, full ID, then contemporary LA mx; plenty of TCs and IDs (Bolland-FL).
- 015 USSR Possibly Vladivostok, man in RS 1057-1110 3-28, operatic singing, talks, time sig on the hour then mx continues. Poor sig (Bolland-FL).
- 020 SOLOMON IS. Honiara, weak with rock mx 0725 3-12, ID and mx 0730 (Rigas-IL); 1036-1048 3-28, talking by gal, island mx 1038, ads, etc.; poor sig (Bolland-FL).
- 025 BENIN New regional stn at Parakou, *0400-0615 fades out 4-4. ID at s/on, "Vous écoutez la Voix de la Revolution Beninoise emettant de Parakou, station regionale". Into FR mx, vernac, chanting; not //4870, which fades out before this (Klein-NJ); pop mx 0535-0605 4-5, mx 2243, political speech, NA, 2300* (Glikman-IL). Hrd 4-10 to 2301*, all //4870, no Parakou ID then, but hrd 4-16 to 2303* when had own prgs and many IDs w/echo effect. WRTH says 20 kw., but sounds like more. (JB).
- 025 BRAZIL R. Borborama, talk, EZ lstng mx, 2245-2300 3-10, ID 2300 (Alexander-PA); eports 2332 3-30, ID (Glikman-IL); jazz 0126 3-13, ID 0140 (Johnson-TX).
- 025 PERU R. Quillabamba, talking 1051 3-25, march 1058, ID 1100, mx; fair (Bolland-FL).
- 030 CHINA Beijing, "Let's Learn to Speak CH" 1235, Sarawak QRM (Wilkins-CO).
- 030 PERU R. Los Andes, *0900, NA, gal, "Buenos Dias, Peru" prgs, ad string 0928, fair (Wilkins-CO); 3-15, OA mx 1035-1050, then ads, comments (Bolland-FL); from 0945 4-3, no sign of TV, many IDs (Field-MI). QSLs low starting to come through (JB).
- 030 SARAWAK Kuching, 1128 3-19, pops, pips 1130, TC, mx in lang by OM (HTS).
- 030 VENEZUELA R. Reloj Continente, SP mx 0210 3-19 (Washburn); ID 0450 3-19 (Corichanas).
- 035 CENTRAL AFR. REP. Bangui, 3-11, IS, NA 0431, ID 0433, into mx prgs (Johnson-TX); 0448-0520 3-25, IDing as R. Centrafrique (Cobb-ME); Afr mx, ID and nx 0530 3-14 (Rigas-IL); jazz to NA 2257 3-28, 2259*, strong (Glikman-IL); tent., chants 0503 (Petersky-TX).
- 035 PERU R. Imagen, 1040 4-2, full blown version of El Condor Pasa by what sounds like local amateurs, as vfy off key; ID, TC, fair-good (Klein-NJ).
- 040 COLOMBIA R. Cincio, 0435 3-8, lengthy talk, much crowd response, IDs, Banco de Bogota ads, fair sig (Jordan); EJ mx 0705 3-26, TCs, IDs (Rigas-IL); latin love songs 0750 3-29, TC, ID, man host (Mikell-IL).
- 040 PERU R. Libertad de Junin, OA flute mx 1015 4-2, ID, fast talk, more mx (Klein-NJ).
- 045 BRAZIL R. Cultura do Para, talk, mx 3-14 to 0258* (Wolob-TX).
- 045 PERU R. Rioja, al amats in echo chamber, OA mx, NA 0355, 0357* 3-12 (Alexander-PA); 3-20 from 0315 with mx, 0357* (Field-MI); guitar mx 0355 3-11, ID, NA, off (Johnson-TX).
- 047 TOGO Lome, chime IS, NA at 0527*. ID, relig. sermon, Afropps 0540, undermodulated as usual 3-21 (Wilkins-CO); poor 3-18, OM w/nx 2203 (HTS); FR talk 2236 3-11, singing, fair (Bolland-FL); Afr mx, "Vaya Con Dios" 2346 3-19, poor sig (Corichanas).
- 050 ECUADOR R. Jesus del Gran Poder, *1001 3-11, good sig with NA, full ID, TC, hymn (Bolland-FL); good with light mx 1005 3-5, relig. talk to 1012, ID 1016 (Rigas-IL); *1011 with NA, s/on w/no-data ID, relig. prgs to 1035, full ID w/address, 3-18 (Wilkins-CO).
- 050 TANZANIA Dar es Salaam, mx 0358, amt, drum IS, pips, TC, ID, Swahili nx. CO). Cntry 0317, good but losing it, 3-12 (Stephany-NY); tent. this one, *0259 3-12, nx read by man, poor sig (Johnson-TX). Stephany rptd on 5052; Swasi perhaps? (JB).
- 052 SINGAPORE R. Singapore, EG nx 1300, US pops, YL anncr, poor 3-12 (Wilkins-CO).
- 055 COSTA RICA TIPC, EG rel. prgs 0300 3-14, fair-poor, much QRM (McClesland-MO).
- 055 FRENCH GUIANA Cayenne, 0900, FR nx, mx, morning show (LaFrance-QUE).
- 055 SWAZILAND TWR, 0340 3-19 in EG; talk on depression, hymn, good sig (HTS).
- 060 PERU R. Amazonas, ex-4815, 0232 3-19, nx, fair (Bolland-FL); very good 0330-0412 3-20, many IDs, EJ, Cuban mx, ads 0359, time sigs 0402, 2-minute DJ TC (Kruenger-FL).
- 061 ECUADOR R. Progreso, poor through static 0435 3-5, rock ax, 0500* (Rigas-IL).
- 095 COLOMBIA R. Sutatenza, 2315 (Weinhold), 0225 (Washburn), 0118 (Worob-TX).
- 095 PAKISTAN RP, poor in lang, subcontinental singing, 1236 3-21 (Rigas-IL).
- 06 CLANDESTINE LV del CID, 0220-0400 3-24, much talking, shouting, slogans, etc. (Jordan); 5100 0339 3-29, back on 5106 3-30 (Rigas-IL); SP mx, amts, 0345 3-19 (HTS); ID 0402, 0406* 3-16 (Johnson-TX).
- 12 PERU R. Eco, pops 1013 3-26, frequent IDs as "Panorama de R. Eco" (Konen-WI); fair with talking 1027 3-5, several mentions of R. Eco (Rigas-IL); job openings/seekers 1040 3-15, Oondor Pasa theme 1044, ads, fair sig (Wilkins-CO); 0017 3-13, US pops, IDs, such J. Geils Band (Johnson-TX).
- 45 CHINA R. Beijing, CH light opera ax 1430 3-15, good sig (Wood-S.AR).
- 51 UNID. 1009-1031 3-11, RS, alternating M&W, possible ID 1030 but too poor (Bolland-FL).
- 50 TIBET Kizang PBS, Lhasa, 1044 3-19, mx, cntry on drama, good to vfy strong on good day for CH regionals (HTS). How about PLA, same fgy? (JB).
- 86 CHAD R. Moundou, carrier on 0457 3-25, 2-beat drum IS, local mx 0501 but quickly lost in the noise (Johnson-TX); tent. this one, poor with male Afro-choral mx 0508 3-13, instrumental mx 0511, gradually fading, SSE QRM 0520 did em in (Petersky-TX). Also being hrd by others, and does indeed seem to be making it through right now (JB).
- 10 CLANDESTINE R. 15 de Sept., 0535 3-22, many IDs, talking, mx, found while tuning arnd (Valke); 5565, talking 0420 4-3, jamming started 0426 (Hosmer).
- 17 PERU R. Ilucan, 1108-1143 3-13, OA mx, several IDs, echo effect amt, good but soon faded (Lasarus-LA).
- 70 CHINA PLA, CH mx 1145 3-14, cnts by YL, long CH song, piano mx, fair (LaFrance-QUE).
- 73 SAUDI ARABIA BSKSA, AR 1445 3-15, varying arnd 5875, so 5877 March LR is right (Wood-ARCEPITINA R. Rivadavia, 0005 3-19, SP talk, good sig (HTS). S.AR).
- 86 INDONESIA RRI-Pekanbaru, Indonesian mx 1445 3-15, ID, good sig (Wood-S.AR).
- 95 CHINA Lhasa listed, good with CH political talks, 1430 3-15 (Wood-S.AR).

- 5945 AUSTRIA ORF, EG at 0130 (Fraser-MA, Worob-TX), FR 0120 (Lafrance-QUE), German 2330 (Robinson-TN), 0035 (Alcorn-PA).
- 5950 GUYANA GBC, opera till 0255 3-28, ID, TC, nx, pips, s/off armt, NA, 0303*; and obits 1030 3-27, mx, ads (D'Angelo-PA); to 0300* 3-27, some QRM from RC1-5960 (Woods-VA); request prgm 0300 3-20, TCs, ID 0400, NA, pledge to Guyana, 0402*, very good (Viens); headlines 0900, ID for Ch.2, cricket results, Indian movie mx (Wilkins-CO); C.Amer. nx items 2245, one ID hrd before lost to noise and fading; poor 3-15 (Cobb-ME).
- 5954 COSTA RICA R. Casino, 1059-1105 3-30, LA mx, coke ad, full ID with call and fays at 1103, back to mx. Good, but het and QRM (Valko).
- 5955 COLOMBIA LV de los Centauros, mx 0435 3-19, full ID 0456; IS, ID in s/off armt, NA to 0501*, poor with het (Stephany-NY); "Buenos Dias, Colombia" 1040 3-18, still listed on 5962 in WRTH (Bolland-FL).
- 5960 CANADA RCI, nx, SWL Digest, 0100 3-13 (David); EG 0300-0328 3-13, nx, trains (Krist-VN); good 0300 3-29, talk on El Salvador (Grosvenor-CA); 0310 3-25, wx, hockey, NATO (Magick); 0410 3-1, EG nx, fair-good (Smith).
- 5965 BRAZIL R. Guabira, 2235 3-8, seemingly nx, sports 2255, full ID 2258, fair sig (Bolland-FL); 2245 3-20, live soccer game, occasional ads; fair till 2255 when RCI IS wiped em out (Chorossy-ME).
- 5965 NIGERIA Jos, local nx, ads, local mx, 0540 on 3-27, poor overall (Konon-WI).
- 5974 COLOMBIA New one on SW is R. Macarena, Villavicencio, listed 1080 MW. Campo mx, male DJ, 0909 3-30, IDs and TCs between songs. Echo promos, incl.Todelar net. Full IDs 0929, 1029, giving SW call as HJHZ, 5972, nx 1000. Fgy drifts by about 1 kHz. (Cunningham); also 3-30, 0920-1003, may have been opening day (Glikman-IL); big sig 4-4, llanera mx 1029, several IDs, tnx Jack Jones for tip (Lasarus-LA); strong 1040-1050 4-4, tnx Ferguson (Klein-NJ); 1050 3-30, NBC-like chimes 1101, fair overall (Jones-MS); also 4-4, *0905 (JB).
- 5974 BOLIVIA R.Nac, Cochabamba, nx 1050 3-25, ads, wiped out by Beijing s/on 1058 (Wilkins-CO). Maybe a thing of the past with Macarena now here (JB).
- 5980 S.AFRICA R. RSA, EG 0200 (Bonnet-IN, Stanley-AZ, Purdum).
- 5980 TAIWAN Voice of Asia, Kaohsiung, EG nx, talk, nx, 1100-1200 3-29 (Hakimneshad).
- 5982 MEXICO XEUJ, Linares, *1354-1412 3-27, NA, couple of IDs 1355, then rapid fire talk by M&W; tnx Ralph Perry for the tip (Lasarus-LA).
- 5985 USA VOVC over WYFR, good sig in EG, 0300-0400 (Bonnet-IN, Vance-FRG).
- 5995 AUSTRALIA RA, 0843 3-11 (Hensley), 1155-1230 4-2 (Bonnet-IN), 1305 3-4 (Worob-TX).
- 5995 FRANCE RFI, FR jazz concert, 2130 on 3-5 (Lafrance-QUE).
- 5995 USA VOA, EG 0200 3-15, prgm about sharks (Krist-VA).
- 6000 HONDURAS R. Variedades prgmg over Eco de Honduras, *1057 3-24, NA, short devotional prgm, Var. ID, mx, fair (Jones-MS); *1100 3-12, prgmg similar to above (Stephany-NY).
- 6005 ASCENSION IS. BBC relay, world nx 2200, science prgm, to 2245* 3-13 (Krist-VA).
- 6005 CANADA CFCX-Montreal, CFCF ID 1229 3-31, wx, nx (Purdum); baseball 1830 3-20 (Meyer-PA); ads, sports, 2122 3-18 (HFS).
- 6005 SOUTH YEMEN Aden, 4 pips 0330 3-25, AR nx, vy professional sounding, IDs 0337, 0345; went off briefly with apparent mtr problem, but came right back (Johnson-TX).
- 6012 ANTARCTICA APAN-McMurdo, rock mx 1058 3-16, ID 1101 as "This is APAN-McMurdo, the world's southernmost radio station"; continuous rock; to 1130, P-P, het (Stephany-NY).
- 6015 CZECHOSLOVAKIA Prague, EG 0155 3-5, SP from 0200 (Lafrance-QUE); EG 0300 3-21, nx, cntry, poor sig (Stanley-AZ); SP 2311 3-8, nx, then sports, fair (Bolland-FL).
- 6015 S.KOREA Seoul, Japanese talk 1132 3-11, ID 1150, good strength, some het (Buer-FL).
- 6015 VATICAN Vatican Radio, EG 0100 (Stanley-AZ, Mayes, Dill-PA, Bonnet-IN).
- 6020 BRAZIL R. Universo, religious talks 0708 3-31, "Voz de Libertacao" prgm, lots of IDs, promos, full ID 0720, //9545 also hrd (Mikell-IL); fair with ID at 0840, 4-7 (Treibel); relig. prgm 0907 4-2, quick ID 0908, complete ID 0914, fair but storm QRM (Cunningham); ID 0918, shouting pastor, wiped out by Bonaire s/on 0928; 3-26 (Wilkins-CO).
- 6020 BONAIRE RN, *2230 3-19, IS, SP ID, prgm preview, nx, good sig (Meyer-PA).
- 6020 MEXICO XERW-Veracruz, talks, ads to 1239 3-26, ID for XEU, vy poor (Wilkins-CO).
- 6025 BOLIVIA R. Illimani, religious talk by man 1010 3-20, ID 1030 (Rigas-IL).
- 6025 HUNGARY Budapest, EG prgm about Hungarian "realist" writers, novelists, 0321 (Purdum).
- 6025 PORTUGAL Lisbon, FR 0038 3-22, ID, mx (Lafrance-QUE); PT 0207-0222 3-19, nx, cntry (Hawk); EG 0300 3-11, nx, talk about U.S.-Portugal (Bainbridge-NV).
- 6030 JAPAN Tokyo, poor *0843 3-20 in Korean, IS, ID (Rigas-IL).
- 6030 USA APTS, nx 0230, nx 0300 (Washburn); nx 0300 (Hawk); 1142, prgm on male strippers
- 6035 BRAZIL R. Globo, 2230 3-6, ads, jingles, //1805 (Alexander-PA). (Hosner).
- 6035 LIBERIA VCA, EG nx 0305 3-19 (Washburn); 0316 3-19, "Afr Safari" (Hawk).
- 6040 ANTIGUA DW relay, IS 0059, EG ID 0100, nx, EG prgm to 0150* (Bobb-MN).
- 6040 FRANCE RFI, *2158 4-1, IS, into FR tho sked for SP; not //6085 (Buer-FL).
- 6040 E.GERMANY RFI, SP nx 0345 3-19, mx, cntry (Hawk).
- 6040 W.GERMANY DW, EG 0100, exc sig 3-21 (Stanley-AZ); EG 0135-0150* 3-31 (Bonnet-IN).
- 6050 ECUADOR HCJB, SP prgmg 0400-0415 3-19, nx, cntry, nx (Hawk).
- 6050 NIGERIA Ibadan, EG ID 2130 4-4, long talk in lang (Plum-NJ); Afr mx 0550 3-12, cntry, ID 0600, nx, sports 0612, cntry, chanting and Afr mx 0620 (Howard-CA).
- 6055 CZECHOSLOVAKIA Prague, EG world nx, reports, 2317 3-8, ltra, GM 2320 (Bolland-FL); multi-lingual armts 2345-0055*, 3-4 (Reid-ONT); 0038-0100, 4-2 (Robinson-TN).
- 6055 KUWAIT Tent. them to 2217* 4-1, AR, under Prague, singing with no accomp. (Buer-FL).
- 6060 AUSTRALIA RA, still fair at 1517 3-19, pop mx, //5995, both poor-fair (HFS).

- 6065 S.AFRICA R. RSA, PT 2210 3-13, nx, cntry, good sig, //9580 (not as good)(Buer-FL); SP 2337-2345, ID 2343, //6160, 9580, fair-good (Bobb-MN).
- 6070 CANADA CFBX-Toronto, CFBX promo, big band mx, 1735 3-20 (Mayer-PA); ads, traffic, wx 1305 3-30 (Bonnet-IN); ID 2026 3-13 (Krist-VA); mx, wx, harbor rpts 2100 4-5 (Bobb-MN); blasting in with oldies 2128 3-18 (HTS); traffic rpy, poor 2234 3-16(Gorichanas).
- 6074 COSTA RICA R. Rumbo, ranchera mx 1113 banco ads, ID, HCJB slop (Wilkins-OO).
- 6075 WEST GERMANY DW, German nx 0310 3-19 (Washburn).
- 6075 PORTUGAL Lisbon, in PT 0419-0435 3-19, nx, cntry (Hawk); EG 0530 3-18, talk, mx, QRN frn WYFR-6065, fair (Stanley-A2); EG nx abt Portugal, 0533 4-4, //9575(Alexander-PA).
- 6080 BRAZIL Radio Cultura de Porto Alegre, hrd poorly here at 0815 4-7, //9520 (PA). (In the mush, but hrd) and 11895 (very good). Prgm called "Bom Dia, Brazil" with mx, man anncr, ID and TCs between and during most songs. ID with fqs, no call letters, on hour and half-hour, mentioning a network. Also IDs as R. Cultura "de ondas curtas". Possible mention of an address. 11895 fading by 0840 and getting weaker. These are all fqs of listed (but never hrd) R. Caicara (Mikell-IL). Hrd 4-17 at 0800 on 11895, better at 0915; couldn't here it on 6080, 9520 (JB).
- 6085 ANTIGUA DW, exc 0435-0450 3-19, in German (Hawk).
- 6085 COLOMBIA On.del Darien, opening ID 1128 3-6, NA, maybe only signs on this late on Sundays. Talk, mx after s/on, poor sig (Bolland-FL).
- 6085 GEORGIAN SSR. See 4-83 LR, QSL says Tbilisi, not Tallin(Buer-FL). U nvr know for sure
- 6090 AUSTRALIA ABC-Sydney, 1200-1300 (HTS, Chorossy-ME, Bobb-MN). (JB).
- 6090 GUATEMALA AWR, "Story Hr" 0210 3-11 in EG, ID, horrible rcpn, but them (Stephany-NY).
- 6090 LIBERIA ELBC, 0708 3-19, nx, IDs, sports, play 0717, still good 0741 recheck (HTS).
- 6090 LUXEMBOURG R. Lux, pops, ads, jingles, IDs at the 1/2 hr, 0630-0700 3-12 (Jordan).
- 6100 NIGERIA Borno, 0604-0645 3-8, pop Afr and EG mx, also Islamic-type mx, jazz, first time hrd after many tries; quick QSL, too (Howard-CA).
- 6100 VENEZUELA VYTO time sig stn, vy good with time and IDs, 1000-1015, 4-9 (Meyer-WI).
- 6105 BOLIVIA R. Panamericana, *1019 4-9, into "Bolivia en Antena" (Stephany-NY); Andean ax 1050 3-18 (Wilkins-OO); pops, reggae 1052 3-26, good sig till deteriorated(Konen-BRAZIL Ceara R.Cl., tent. at 1259 3-25, lively PT prgms, ID not pos.(Worob-TX).WI).
- 6105 MEXICO Su Pantera, *1130 4-7 (Stephany-NY); "Amanecer Yucatan" 1200 3-26, plugs for Stetef stn KEUL-1360 (Wilkins-OO); Rolling Stones, booming in w/ID 2330 (Johnson-TX).
- 6110 MALTA R. Mediterranean rptd by many. In FR 2130-2230, EG 2230-2330, 3-17 (Witsig); FR 2132-2150 3-9, couldn't hear EG 2230, too much QRN; sig is best 2130, tho FR then (Valke); end of FR 2228 4-4, mx kept slowing down, into EG 2230, very good (Stephany-NY); EG 2240 3-18, pops but vy poor under BBC in Euro lang (HTS); EG mailbag, sports, fair 3-9 2300-2332* (Buer-FL); good strength to 2332* 3-15, but poor under BBC (Bolland-FL); 2305-2330, EG mx, rock mx, fqs and times, 4-3 (Plum-NJ).
- 6110 USSR RM, EG 0215 3-30 with "What is Communism" (Magick).
- 6115 COLOMBIA LV del Llang, lively LA vocals 0823 3-27, many IDs (Konen-WI).
- 6115 CUBA RM relay, EG mailbag 0000 3-13, folk and pop ax prgm, vy good (Fraser-MA).
- 6115 JAPAN NSB-Tokyo, John Denver 0810, YL talking 0858, ID 0900, time tone, 3-14(Mikell-IL).
- 6115 MEXICO R.Univ.de Sonora, *1457 3-27, vy weak, on with antenna, opening armt (IL). By gal, into continuous orchestral or band mx (Lasarus-LA).
- 6120 NICARAGUA R. Zinica, horn overture 1101-1118 3-23, full ID, campesino mx, poor sig, poor audio (Chorossy-ME); ID 1130 3-12, revol.talk, VG but lost 1145 (Stephany-NY).
- 6130 ECUADOR HCJB, EG bible prgm 0853 3-2, ID for So. Pac. Svc (Carleton).
- 6135 SWITZERLAND SRI, rptd hrd with so-so sig by several from *0144; jammed once at 0148, also VOA-6130 QRN (Mayer-PA, Bonnet-IN, Krist-VA, David, Stanley-A2, Dill-PA).
- 6140 USA VOA, CG ID 1100 3-9, into nx (LaFrance-QUE); 1244-1300 oriental prgms(Bonnet-IN).
- 6140 YEMEN Sana'a, AR education talk 1145 3-4, vy good, new fqy ex-7265, //4853,9780(Wood-6145).
- 6145 WEST GERMANY DW, classical mx 0135-0150* 3-20, strong, EG lang (Bonnet-IN). S.AR).
- 6150 AUSTRALIA ABC-Melbourne, sports, nx, good 0907 3-19 (HTS); ID 1400, nx (Bobb-MN).
- 6150 COLOMBIA LV del Huila, 0730 4-3, LA mx, vocals, OM anncr, IDs (Hensley).
- 6155 SWAZILAND R. SR, rock mx prgm 2213 4-2, EG/Zulu armts, many IDs, fgy armts, off with no formality or NA at 2300* (Stephany-NY); tent. R. Truro, usual Afr ax IS *0255 4-5, Hindustani mx, no pop mx of R. SR, which is now on 9704 at 1630. R. Truro is on 9704 till 1630, then IS and into SR; 0255 IS, 6155, is same as 1630 (Howard-CA).
- 6155 USA WRNO-New Orleans, ads 0251 4-7 (Purdum); relig.prgm 0330 3-19 (Washburn).
- 6160 CANADA CKZU-Vancouver, hrd to 0907* with mx, OM DJ, fqs and BC sked 0905, ID as "CBC Vancouver" and off, 3-11 (Hensley).
- 6160 CANADA CKZN-St. John's, NA 0929 3-20, ID, list of CBC stns (Carleton); vy strong 3-19 at 0938 with wx, sports (HTS); wx 0930 3-31, talk on Knute Rockne, CBN ID(Jones-Dill-PA, Pardum), also 0330 in SP nx (Washburn).
- 6165 BONAIRE RW rptd by many in 0230-0330 time frame, EG (Bobb-MN, Krist-VA, MS).
- 6175 BRAZIL Hearing a Br. here circa 0900, I think Guarani up from 6165 (JB).
- 6175 ANTIGUA BBC relay, sports 0230 3-13, EG match (Dill-PA).
- 6175 COSTA RICA TIPC, *1050 4-9, NA, ID 1100, fading a bit (Stephany-NY).
- 6180 GUATEMALA R. Nac, 1100-1120 3-21, ID, LA mx, TCs, marimba; good in lite QRN(Chorossy-6188).
- 6188 W.IRIAN RRI-Manokwari, talk 1059 3-6, mx, nx 1101, gal and mx 1113(Bolland-FL). ME).
- 6189 PERU R. Oriente, now opening a little earlier, 1030 or 1035 (Jones-MS, Glikman-IL).
- 6195 ANTIGUA BBC, 0855 (Carleton), WS 1100(Homer), echo from BCBFCs 1213 (HTS).
- 6195 BRAZIL R. Capital, fair with talk and ID 2324, killed by CBC *2330, 3-21 (Rigas-IL).
- 6195 NIGERIA Sokoto, EG/Hausa nx 2250 3-23, ID 2300, 2318* (Rigas-IL).
- 6195 PERU R. Cusco, 0952-1047 3-26, jingles after each song, demolished by BBC 1048(Wilkins-OO).



LOG REPORT

section C

6200 to 11699 kHz

Editor: John T. Arthur, Box 4948, Arcata, CA 95521

- 6383 UN-ID (ckandestine?) Maybe R15deSeptember 0304-0311 SP, gunfire, M&W talking, Popeye theme mx, ment San Salvador. Lost in Venceremos QRM 0311. No ID noted, gone by 0314 re-check. (Valko)
- 6296 CLANDESTINE R Venceremos 0011-0025 SP, W w/speech, then martial mx and singing. W continues speech after music. Full ID 0023 as "presentados noticias de Radio Venceremos". Fair (Bolland, FL)
- 6212 CLANDESTINE R Venceremos *0311-0326 SP, sudden s/on w/LA mx at Times, long tlks by M&W ancrs. Many IDs 0325, inc. freq. (Valko)
- 6224 CLANDESTINE LVdeNicaragua Libre 0027-0033 and 0326-0343 SP and Miskito, martial and marimba mx, M&W ancrs. Good (2 reporters)
- 6225a CLANDESTINE VoSandino 0437 EG(1), M shouting "this is the Voice of Sandino", tlk on Nicaragua 0445. (Cooper, 7Apr)
- 6250 EQUATORIAL GUINEA Malabo 0515 vernaculars, M w/long talk, ment Malabo several times. Fair, but ruined by Vatican *0530. (Rigas, IL)
- 6252 VATICAN CITY Vatican R 0610-0659*, clx mx, IS 0659 and off. ex-6209? //711740 and 9645. (Alexander, PA 4Apr)
- 6279 USA QSB Int'l*0457-0525*, electronic IS, M w/sign-on, into Fock mx. QRM fm FAX a few Hz up. (Krueger & Arthur 20Mar)
- 6296 PERU R Chota 0049-0100 SP, M w/music. A Polish ship (SQEF) calling SPE generally blocks comments. Poor (Bolland, FL)
- 6510 CLANDESTINE R15deSept 0545-0558* SP, political tlk, ID by W 0555, off w/anthem. //6900 and 5565.3 (4 reporters)
- 6867a USA VoA 0200-0215 EE/SS, Independent Sideband xmtn, one side EE, the other SS. Purpose? (cover clandestines?) (Lausevich) ((No...it's a feeder for overseas relays. jta))
- 6879 CLANDESTINE R Venceremos 0041-0050* SP, M&YL mentioned xmtg fm El Salvador, gave IDs and freq. LA mx occasionally. (Valko)
- 6316 IRELAND (Erie) R Dublin 0215-0805 EG, rock mx, M ancr, ads, frequent IDs as R Dublin Int'l and Channel One. (5 reporters)
- 7000 CLANDESTINE R15deSept 0545-0559* SP, Impassioned speech w/many ment of Sandinista. 0555 YL tlk w/mx background. (Konen, WI)
- 7065 ALBANIA R Tirana 0001-0015 EG, news, commentary, mx. (3 reporters)
- 7105 GREECE VoA Kavala 0108-0113 Hindi, nx, ID @ 0111, tlk thereafter. Some QSB, QRN & adj ARO QRM. (Buer, FL)
- 7110 MALI Rdiff du Mali 0705 FF, loonnngggg anthem, ID by M 0712, brief news, music. (Konen, WI)
- 7110 ETHIOPIA Nat'l Svc *0328-0415 vern, IS of flute & martial mx, nx. Hvy CW QRM, Poor. (Lavsevich)
- 7120 UK VoA Relay 0101-0107 RR, nx w/ID 0104. Good strength, but QSB, QRN & CW QRM. (Buer, FL)
- 7120 ALBANIA R Tirana *0130-0158* and 0245-0257 EG,nx, mw, IDs, "Answering Our Listeners Questions". (3 reporters)
- 7125nf VATICAN CITY Vatican R 0415-0420 EEu lang, IS, s/on & tlk, Czech and Ukrainian sked. P to G. (Buer, FL)
- 7145 NIGERIA R Kwara 0526 vern, native songs. F w/bad het. (HTS) (?jta)
- 7155 CAPE VERDE ISLANDS Emis Official 0745 PT, pop mx, gong IS, ID, nx 0800. Good. (3 reporters)
- 7160 MALAYSIA RTM 1100 and 1359 EG, stock report. //4950. (2 reporters)
- 7160 UK(?) BBC 0425-0430* EG, press review, headlines, ID & pulled plug 0430. Not listed for Eu svc or WS. What site? (Buer, FL)
- 7170 NEW CALEDONIA R Noumea 1045-1059* FF, jazz music. ID, freq, sked 1056, French anthem 1057. P(5 reporters)
- 7180 IRAQ R Baghdad 1145 Farsi, anti-Iran tlk. //9585, G (Wood, SAR)
- 7205 UKRAINE R Kiev 0040-0046 EG, W w/nx, ID, M w/cmtry on the arms race. (Purdum)
- 7205 USA VoA 0255 EG, "Breakfast Show". Weak. (Washburn)
- 7215 IVORY COAST R Abidjan 2358 FF, NA to close. Good (HTS)
- 7225 TUNISIA RTT (Sfax) 0417-0532 AR, nx, mx, chanting. F (2 reporters)

5 RWANDA DW relay 0430-0440 EG, ID, sked, nx, "Behind The News",
P-F under Tunisia. (2 reporters)
5 NIGERIA VoM *0446-0530 EG, bell IS, drum IS, ID on hour, WAF svc.
(3 Reporters)
0 POLAND R Polonia 2240-2245 EG, mx, tlk abt Polish composer.
Good, but much ARO QRM. (Mayer, PA)
5 UK BBC WS 0000-0030 and 0300 EG, news, R Nxrrel. F (2 reporters)
0 NETHERLANDS R Enterprise 0946-1010* DT/EG, rock mx, many IDs,
tlk abt Free Radio, ment Apollo Relay Network @ s/off. (Vance, FRG)
0 NETHERLANDS R Titanic Int'l *1012-1030* EG, ment Apollo Net in
s/on anmt, mx, tlk on various subjects, abrupt 1030*. (Vance, FRG)
5 CZECHOSLOVACIA R Prague *0100 EG, nx, cmntry, mx, prgm on
publishing houses. (Thunberg, PA)
7 NETHERLANDS R Hotel Amigo 0955-1000* EG, mx, s/off anmt w/QTH and
little comedy routine. Vy Good. (Vance, FRG)
0v CLANDESTINE LVdelC.I.D. 0050-0115 and 1210-1221* SP, tlks by M
and LA mx, IDs by same M many times. Must have moved from 7355.
Hrd well on R Clarin and Ecos del Torbes. (4 reporters)
0 USA R Clandestine 0505 EG, mx including "Tough Boys", "Moose
GOOSER'S Music", oldies, IDs by R F Burned. (Baxter, KS 28Mar)
5 USA R USA 0204 EG, music and IDs in LSB only. (Baxter, KS 2Apr)
0 CLANDESTINE LVdelC.I.D. 0357-0440 SP, ID, sked, anti-Castro tlk,
mx prgm called "Musica Libre". Good (3 reporters)
0 ISRAEL Kol Yisrael*0000 EG, s/on, nx headlines, nx in detail,
interview w/new Israeli president. (Alcorn, PA)
5a USA Nylon R *0530-0606* EG, electronic IS, new wave & rock mx,
ment some Free Radio network and Florida, seemed to have some
technical difficulties. (Valko and Baxter, 20Mar)
27 UN-ID 0545 FF, tlk by M in French...no ID, no music, just talk.
Weak in lite QRN. (Miller 25Mar) (maybe R Toronto? jta)
1 USA AM Munchkin R 0301-0320 EG, mostly novelty tunes and echo IDs.
Good, clear signal (Baxter, KS 3Apr)
2 CLANDESTINE LVdelC.I.D. 0115-0120 SP, brf tlk by M, usual CID
chimes, more talk. Lost to QRM/N...no //s noted. (Jordan 25Mar)
0 CHINA R Beijing *2130-2135 AR, IS, ID, talk. Fair (Buer, FL 3Apr)
5 USA R Amity 0102-0320+ EG, seemed to be playing mx off the FM
Radio, as would let commercials and IDs go over the air. Good mx
audio, but poor voice. Was looking for a phone loop #, but
had no success. ID'd in CW. (Baxter, KS 3Apr)
0 KOREA, S R Korea 1815 KR, cmntry on Canada, Reagan & Andropov arms
tlk, violin interludes. QRM fm ute 7555 & QRN. (Park, HI 2Apr)
0 UK BBC 0215 EG, news. (Washburn)
0 GREECE VoG 0114-0120 GK, mx, ID, tlk w/mx, //9865. G (Buer, FL)
0 CHINA R Beijing 2118-2126* EG, ltrbx, s/off w/ID. F (Buer, FL)
5 EGYPT R Cairo 0200-0330* EG, mx, nx, IDs, Good (3 reporters)
0 PERU R Tacna 1015 SP, mx to 1017, then anmt abt a youth festival
In Arequipa, more mx, anmts and IDs to 1038 tune-out. (HTS)
0 USSR R Moscow 0245 SP, nx & mx. (Washburn)
0 MONTE CARLO TWR 0725-0745 EG, rlg prgms, ID. (3 reporters)
5 JAPAN NHK 1700 EG, ID, nx, mx interlude, "Current Affairs",
"Current Topics" (Stanley, AZ 2Apr)
0v GUA M KTWR 1422-1545 EG, rlg prgms, IDs. Up from 9505 to avoid
R Japan. (3 reporters)
0 PHILIPPINES FEBC *2156-2250 lang, electronic tone IS w/ID every
minute, 2200 prgm of rel & gospel mx. (Hosmer & Stephany)
0 UK BBC WS 0655-0815 EG, profile of W C Fields, news, "24 Hours",
Report on Religion, Golden Age of Opera. (Dill, PA 6Apr)
0 OMAN R Oman 0220-0300 and 1800-1820 AR, Koran readings, AR mx,
ID & nx 0300. (2 reporters)
5 SICILY RAI Caltanissetta 2200 IT, nx, IT mx, R Uno ID. Wk (Rigas)
5 UK BBC 0301 EG, news. (Washburn)
5 MALTA IBRA 2034-2111 EG, IDs, requested reports, "Good Music BC",
Flg prgms. (2 reporters)
5 MALAYSIA VoM 1126-1215 lang, Islamic mx, tlk by W 1128, then
chanting. Possible nx 1130 read by W. Martial mx by M choir 1137.
Was my UN-ID for the last year! (Bolland, FL) (persistence pays!)
33.2t CLANDESTINE Votlybian People 2220-2359 AR, Mw/comments. March mx
2235 w/M voice-over. Brief Islamic mx 2247, then more talk.
(Bolland, FL)
5 ANGO LA RN 2129 PT, YLw/IDs, into revolutionary prgm. (Hosmer 4Apr)

- 9545 SOLOMON ISLANDS SIBC 0700-0800* Pidgin/EG, ads, nx 0730, mx, shipping info. WRTH sez 0730*, so extended broadcast. Good. (2 reporters)
- 9545 LEBANON R Leb *0230-0300* EG, nx by YL, theater review, US pop music. (2 reporters)
- 9545 BRAZIL R Universo 0915-1000 PT, ID, ballads, full ID 1000 as "...Khz...49 metros, 9545 khz, R Universo, un Prima...Brazil". Fair to Vy Gud. (2 reporters)
- 9560 TURKEY VoT 2200 EG, nx, DX prgm, Nxreel. (4 reporters)
- 9565 RWANDA DW relay 0257-0300* and 0445, "The Week In Africa", s/off anmt in FR. (2 reporters)
- 9565 USA UN Radio 1010-1014* EG, "UN Calling Asia", prgm abt animals in religion, medicine and culture. Vy Gud (HTS)
- 9590 MALTA DW relay 0150-0153* EG, s/off w/ID. (Gorichanaz 3Apr)
- 9616vt BANGLADESH RB 1315-1340 lang, M tlikng, exotic vocals by W, extremely weak, very poor. (Jordan)
- 9635 BRAZIL R Aparecida 0917 PT, ballads, ment of Brazil, IDs, Vy Gud. (HTS)
- 9640 ALGERIA RTVA *2000-2030* EG, nx, rock mx, ment SP next. //15160. (Plum, NJ 6Apr)
- 9650nf UZBEK S.S.R. R Tashkent *1200-1228* EG, IS, ID, nx, cmntry. Usual stuff. Fair; //11785 better. (Meyer, WI 9Apr)
- 9655 THAILAND RT 0010-0030 EG, nx, ID 0018 "HSK9, R Thailand", tlk on AS developments, faded out 0030 under R Moscow. (Vance, FRG 20Mar)
- 9655 AUSTRIA ORF 0435 EG, DX prgm, clx mx. F-P (Park, HI 28Mar)
- 9670 UN-ID 0240-0305 AR, Koran readings to 0300, then talk. Co-chan VOA EG/SP. Help?! (Buer, FL 3Apr)
- 9670 SAIPAN KYOI 1744 and 2102-2114 EG/JP, US rock mx "from Los Angeles", JP ads, EG IDs. (only 2 reporters this month)
- 9675 BRAZIL R Marumby 0923-0930 PT, rlg prgm w/ment of Salvador, 0927: "radio evangelical do Brasil exterior(?)", 0928: "A Voz de Biblia" prgm. Good. (HTS)
- 9680 PORTUGAL R Resenecna 1905 PT, nx, sports nx, ID. F (Rigas 7Apr)
- 9715 MADAGASCAR R Nederland relay 2115-2120* EG, "Happy Stn", mx to close, NA at s/off. F-G (Mayer, PA 20Mar)
- 9720 SRI LANKA SLBC *1230-1315 EG, jazz to 1245, then rlg prgm, IDs every 15 min, one ad 1314, faded out for AWR prgm. (3 reporters)
- 9730 SWAZILAND TWR*0443-0540 EG, IS, ID, rlg prgm, "Back To The Bible" prgm. Fair (2 reporters)
- 9735 PARAGUAY R N 2331-2338 SP, long list of Paraguayan radio stns read by two M, brief mx, ID and into nx. Strong signal with a slight het. (Valco, PA)
- 9745 CAMEROON RNdeCameroon *2045-2115* EG, Int'l Svc w/EG/FR IDs, hymn&psalm prgm, hi-life mx, back to FR 2115. Vy gud w/het. (Stephany, NY 4Apr) also reported 2138 in FR w/song by Peter Gabriel and nx 2200. Good (Lafrance, PQ 2Apr)
- 9748m TANZANIA RT 0413 EG, cmntry, ID for "Ext Svc of RT" by W, choral mx, M w/freqs, history talk. (Park, HI 1Apr)
- 9780 YEMEN R Sana'a 2014 AR, prgm of mx from a drama w/cntry by M&W. F-G (HTS)
- 9783nf ALBANIA R Tirana 0145-0155 SP, nx & tlk, ID 0152, song to 0155 tune-out. Why move here from 9790? (Buer, FL 3Apr) ((probably punch-up error, or drifting xmtr, not nf. jta))
- 9790nf MONACO Norea R via TWR 1730-1800*, Romanian gospel prgm, Oslo OTH, EG ID for TWR Monte Carlo at s/off. Good (Wood, Sar)
- 9828 CLANDESTINE R Guazapa 0153-0158* SP, M ranting pro-FMLN stuff, patriotica musica, s/off w/ID. Xltn (Krueger, FL 3Apr) Jerry Berg reports hearing same station jumping back and forth between 9845 and 9855 on 27Mar 0135-0203*. Have they settled down?
- 9895 NETHERLANDS RN (Lopek xmtr) 1803-1821* DT, mx, DT ID, and talk to 1821 s/off. (Hosmer 28Mar)
- 9905 GRECE R Stn Macedonia 1916-1935+ GR, bouzouki mx, ID 1930, more music. Weak. (Rigas, IL 7Apr)
- 10080 VIETNAM VoV 2330 EG, propagational propaganda, W w/beautiful Viet song. Fair, w/mod QSB/QRM. (Stanley, AZ)
- 11535 SPY# (USA?) 2118 SP, W reading numbers (how many per group? jta) (Johnson-Bastrop DXpedition 26Mar) (where? jta)
- tha zit...outta rume. C U N 30 daze...



LOG REPORT

section D

11700 to 17899 kHz

Editor: Steve Wisblood, 1221 Ximeno, Long Beach, CA 90804

- 11700 **DOMINICAN REPUBLIC** R Clarini; 2230-0030 SP M ancr, "LV del CID" pgs
2300 SP W w/nx, upbeat LAM mx. G (Mayer-PA, Jordan, Samel).
- 11705 **SWEDEN** RSI; 0230 EG tlk on how Swedes celebrate Easter (Stanley-AZ).
- 11710 **ARGENTINA** RAD 0200 EG nx, folk mx, DK pgs (Hakimshah 3/25). 0400
EG nx, vx, Argentine mx, tlk on architecture. G (Stanley-AZ).
- 11715 **DENMARK** R Dansk; *2200 IS, DN/EG ID's by M, church svce., G (Stephany-NY
2338 IS, DN/EG ID's, DN pgs to Greenland. G (Zilmer 3/27).
- 11715 **SWITZERLAND** SHI; *0145 p/om, EG nx, "SW Merry-Go-Round" to 0215*(Hosser)
CANADA CBC-NS; 1800-2104 EG CBC nx, ID, C&W mx (Krist-VA, Mayer-PA).
- 11720 **PORTUGAL** R Renasconca; *2320-2345 Bells IS; PT ID's by M&W. G (Mayer-PA)
- 11730 **SOUTH AFRICA** R RSA; EG nx, "DX Corner"; pgs on wines of S. Afr featured
on "Sat. night RSA"; "Tearing RSA"; G (Bonnet-IN, Stanley-AZ).
- 11735 **BULGARIA** R Sofia; 2114-2130* EG nx in brief, S/off annts. G (D'Angelo).
- 11735 **CHINA** R Beijing; 1450-1502 EG lang. lesson to 1502, pips @ 1500(Inoas-CA
- 11740n **TURKEY** VoI; 2230-2251 EG M&W w/discourse on TK mx, EG nx; feature on
Hittites. New 500kW xnts (Jordan 4/5, Reid-ON, Abbey 4/2)
- 11755 **PORTUGAL** R Japan via Sines-relay; *2215 IS, EG M w/nx, ID's (Zilmer, Jordan
- 11755 **ARGENTINA** R El Mundo; 0605 SP ID, vx for Buenos Aires. P (Rigas-IL).
- 11760 **COOK ISLANDS** RCI; 0745-0905* Island mx, pop mx, oldies, ID's, NA @ S/off
P-F (Baxter-KS 3/19, Mallberg-IA 4/6, Koenen-WI 3/20)
- 11760 **SPAIN** SFR 2000 IS, ID, EG Rxy annts, feature on the coastal region of
Spain, //15375 (Rurdin 4/3). 2115 EG "Spain Step by Step", "Radio Club";
SP mountain folk songs. Xlnt //15375 (Alcorns-PA 4/3, Fraser-MA 3/13).
- 11770 **INDONESIA** RRI Jakarta; 0958 Organ IS; IN ID by W, IN W w/nx (Park-HI).
- 11780 **BRASIL** R Nac de Amazonia; 0018 PT M w/tlk, ID's, VG (Vorob-TX).
1049-1056 2-M w/PT nx pgs, list of stns in net; F (Bolland-FL 3/7).
- 11785 **UZBEK SSR** R Tashkent; *1200-1228* IS, ID, EG nx, lcl folk mx, cmtry,
"Mailbag"; UN resolution on US interference in CAM (Krist, Stephany, FL RQ).
- 11790 **INDONESIA** VoI; 1200-1219 JP M w/opening cmtry, ID, nx. VG (Bolland-FL).
1503 EG nx by M, Inde mx pgs, best level in a long time. VG (Koenen-WI).
- 11800 **ITALY** RAI; 1954-1958 EG W w/ID, RAI IS, F (Bolland-FL 3/11).
- 11800 **FRANCE** RFI; 0545-0600 Polish nx, into FR @ 0600. //11770. G (Wood 3/24).
- 11800 **EUROPEAN BSESR** UnID 1957 R. Moeow FR nx, ID, S/off annts (FL RQ 3/12).
- 11800n **CUBA** R Habana; 1525-1532 SP patriotic mx, IS & ID. Xlnt (Buer-FL 3/13).
- 11805n **VEST GERMANY** DW 1725-1735 IS, tlk in RS type lang., P (Buer-FL 3/13).
- 11805 **BRASIL** R Globo; 0030-0155 PT "Domingo de Globo" w/host Antonio Leal,
listener phone calls, gave address; ID's shouted by 2-M PT promo's &
annts; live coverage of 'futbol', 0100 PT nx; F (Jordan 3/10, Mikell-IL)
- 11810 **VATICAN STATE** VR 1502 EG V w/aked & religious nx. //15110, 17865 (Johnsma)
- 11815 **GARON** VOGospel; *1725 after many days of listening, finally caught an
ID "This is the Voice of the Gospel broadcasting in Housa to West Africa
...International Short-Wave station in Moyabi..."; ID along w/EZ1 mx
mins about 5-minutes before pgs begins. P w/Euro QRM (Valko 3/23).
- 11815 **LIRYA** R Jamahiriyah; 2230-2320 EG tlk on the revolution, anti-US cmtry,
Col. Qadafi's plans to smash the imperialists. Xlnt (6 reporters).
USSR UnID 1300-1400 RP&F IS, EG ID, into lang.. F (Bobb-NH 3/11).
- 11820 **ASCENSION ISLAND** BBC; *2130-2200* bells, fanfare, "Calling the Falklands"
EG nx, mx by Paul McCartney, birthday wishes. G (FL-RQ 3/18, Jordan 4/1)
- 11825 **TABITI** RT; 0300-0523 marvelous Island mx, TT V ancr (Stanley, Witsig).
- 11835 **URUGUAY** R El Espectador; 1100-1109 full ID w/call letters, SP nx (Wilkins)
- 11835 **SEI LANKA** SLBC; 1049-1117 old rock mx, EG W w/nx, TC/ID by M @ 1115 w/
time given as "1645 hours", into religious pgs. F (Plum-NJ, Valko 3/31).
- 11840 **ROMANIA** RB; *0530-0557* EG to Afr, //17790. G (Wood 3/24).
- 11850 **NORWAY** RN; *2000-2030* EG pgs abt Easter in Norway, "Norway Today" (Krist;
- 11855 **SAUDI ARABIA** BSKSA; 1820-1845 EG W w/tlk abt Iraq & the U.N.; cmtry
by M. VP (Jordan 3/9). 2033 EG "Top of the Chart" pgs, ID. F (Valko 3/30)
- 11855 **INDIA** AIR; 1232-1237 EG W w/nx for 5-minutes, then Hindi M. F (Bolland).
- 11860 **ASIATIC BSESR** Kranoyarak-RM; *2200-2230 EG nx (Weinhold 4/1).
- 11860 **BULGARIA** R Sofia; 2155 RG M w/nx, ID, ClocI mx (Brainbridge 3/22).
- 11880 **NORTH KOREA** PDR; 1930-2000 KQ political tlk; VG (Wood 3/11).
- 11880 **FRANCE** RFI; 0810-0835* RFI to Antarctic; FR M&W w/nx, IS, M w/flys
between bits of high-energy music bursts. FR nx briefs. G (Jordan). FBI

- 11880 SPAIN SFR; 0000-0200 EG nx, "Panorama", vx in Spain, golfing in Spain; DX "Mailbag" pgm, //9630 (Bobb, Stanley, Hakimshad 3/27).
- 11890 PHILIPPINES FEBC; 0924-0940 EG nx, religious pgm; ID & TC (Baxter-KS).
- 11895 BRASIL R Cultura; 0831 PT annts, Bras. mx; ID's as "Cultura do Porto Alegre" & "R Cultura"; P (Rigas-IL 4/4).
- 11900 MAHIANAS ISLANDS KYOI; *1000-1525 EG/JF ID's, pop mx, "Seiko" TCs; "Music World" feature; ID "Super-Rock-K-Y-O-I Saipan" (Park, Wilkins, HTS).
- 11905 ALBANIA R Tirana; +1958-2005 IS to 2000; AR ID's & tlk. P-F (Buer-FL).
- 11910 HUNGARY Budapest; 0200 EG nx, cntry, features. G (Stanley-AZ 3/11).
- 11915 BRASIL R Gaucha; 2339-2347 PT nx by M, jingles & ID, William Tell Overture mx (Valke 3/15). 0115 PT tlk, interview, ads, TC, //6135 (Mikell). 0820 PT TC's, ID, nice Brazilian mx. G (Rigas-IL 3/12).
- 11920 GLAM KTWB; 1455-1500 "DX Listeners Log" EG; IS, into lang. @ 1500 (Buer)
- 11920 HILGARIA Sofia; 2135 EG tlk of U.S. aggression in Cam, //11860 (Thnberg).
- 11925 PORTUGAL RPI; *0300-0330* NA, ID, EG nx, "DX Club" pgm, //9575 (6 reporters)
- 11935 BRASIL R Clube Paranaense; 0828 PT ads, TC's, sked, fsys & ID. F (Rigas)
- 11935 UK R Canada relay via Daventry; 1545-1550 S/on w/ID, EG nx. F (Buer-FL)
- 11940 SINGAPORE R 1; 1010 pop mx, EG W ancr, ads, PSA's, promo's (Park-HI).
- 11940 GABON Afr#1; 240-2302* lively Afro high-life mx, ID, FR M w/annts; 2301 flute mx to S/off 2302*; G (Treibel 4/2, Chorossy-ME 3/27). 0520-0552 Afro mx, FR annts, ID @ 0557. F w/deep fades (Samak, Gorichanas)
- 11940 ROMANIA Bucharest; 1300-1310 S/on w/Buro voce ID & fsys. EG Wld nx by M&W, "Panorama", "What if?"; G (Chorossy-ME 3/20, HTS)
- 11941 INDIA R Omkarman; 2145-2201* AR vocal mx, ID, NA. G (Wood 3/10).
- 11955 WEST GERMANY DW; 2005-2012 GM nx & cntry, ID, G, ex-//11795 (Buer)
- 11960 NEW ZEALAND RNZ; 1020-1100 EG BBC pgm on "Lisa"; NZ Sports. P-F (Bobb-MN)
- 11965 RUSSIA DW-relay; 1521 EG to Afr., tlk abt Industrial development (HTS).
- 11965 SAUDI ARABIA BSKSA; 1709-1715 AR tlk, ID @ 1712; recorded speech. (Buer).
- 11975 WEST GERMANY DW; 1523 EG tlk on underground in 3rd Wld (Johnson)
- 11990 LIBIA R Havana; 1703-1708 ID, FR tlk, mx excerpts. VG ex-1890 (Buer-FL).
- 11990 CZECHOSLOVAKIA R Prague; 0105-0130 EG cntry on the Socialist way of life; pgm on the various dialects & customs of Cam. (Bonnet-IN 3/27).
- 11990 FRANCE RFI; 0000 EG ID, fsys, review of French papers; G (FL-RQ 3/24).
- 12000 EGYPT Cairo; 0200 Egyptian mx, "Monday Night Mail Call", nx (Krist-VA)
- 12070 MONGOLIA RUB; 1200-1235* IS, ID, EG nx, cntry, culture pgm featuring Mongol mx, S/off annts by W w/ID address, IS. VP (Carleton, Stephany-NY). *1445-1453 EG S/on w/nx. F-G (D'Angelo-PA 3/19).
- 13797 ICELAND ISBS; 1910-2013* P w/IC tlk by M&W, lcl mx (Rigas, Thnberg-PA).
- 15010 VIETNAM Vov; 1800-1830 EG Wld nx, ID, cntry/ F (Hakimshad, Woods-VA). *2030-2056* EG W w/nx, "Sunday Show" w/letters read (Krist-VA 3/27).
- 15035 EGYPT R Cairo; 1800-1830 chimes, V. of Arabs ID; F (Wood 3/18),
- 15045 GUERNSEY RFG; 2200-0042* ID, Jazz pgm, TC, PSA's, ad for face cream; pop mx, promo for upcoming cricket match, ad for "Happy Hour"; very anti-American, anti-Reagan speech ending with the slogan "Long live the people of Free Grenada; long live the Workers of Free Grenada"; Xint (9 reporters)
- 15055 GREECE Vog; +1500-1550 EG fsys sked, brief nx; GK nx, mx. F (Zilmer, Reid)
- 15060 SAUDI ARABIA BSKSA; 1435 AR nx, mx, ID by M at 1455 (Thnberg-PA 4/5).
- 15070 UK BBC; 1415 EG Big-Band sound (Alcorn-PA 3/12).
- 15077 AFGHANISTAN RAI; 1820-1840 ME mx, W in lang to 1830, then GM ID & annts; GM nx. F-G (Cobb-ME). 1905 RG nx w/mention of U.S./Pakistan, pop mx & Afghani mx. Several ID's. G (Meyer-WI 4/9).
- 15084 IRAN VOIR; 1659 screaming crowd to 0659 ID, cntry (Cooper 4/4). 0520-0515 SP tlk, ME mx, political tlk. VG (Samuel, Wood 3/23).
- 15085 EGYPT R Cairo; 2100-2130 FR to Afr; pol tical cntry, //15335 (Wood 3/10)
- 15100 ASIAN TIC RSFSR Vladivostok; 0258 R Kiev w relay; piano IS, ID, "Mailbag show. VG (Vorob-TX 3/12). 0355 R Yerevan relay w/EG M ancr, Armenian mx; F (Stanley-AZ 3/13). RMWS 1114 EG tlk re-Groszko's press conference; tlk of Israel's occupation of Lebanon (FL-RQ 3/4).
- 15105 MOROCCO RTVM; 2105-2130 AR M w/chants, vocal mx, ME instr. mx (Jordan)
- 15105 MALTA DW-relay; 0100 EG nx to NA. G (Zilmer 4/5).
- 15110 HILGARIA R Sofia; +1930-1952 EG nx, cntry, ID, Letterbox (rist, Bolland) 0000 EG nx, cntry, features, F (Stanley-AZ 3/10).
- 15115 AUSTRIA ORF; *0130-0155* ID & Austrian mx pgm. F (Zilmer 3/26).
- 15120 AFRICAN STATE VRI 1530 Ethiopian to 1545, then FR, ID (FL-RQ 3/20).
- 15120 CHINA R Beijing; 0300 EG nx, an anthology. F (Stanley-AZ 3/13).
- 15120 NIGERIA VoN; *2100-2150 dmm IS, EG nx, editorial cntry (Alcorn, Stanley)
- 15125 TURKEY VoT; 0700-0730 TK drama pgm; VG (Wood 3/10). 1330-1345 EG W ancr, Wld nx, World cup info., fsys, sked & lcl mx. F (Zilmer, Jordan).
- 15125 SPAIN REE; 2100 SP W w/nx; VG (Wood 3/10).
- 15135 JAPAN RJ; 0100 EG nx to Europe; F (Zilmer 4/5).
- 15140 ASIAN TIC RSFSR Petropavlovsk-RM; 2147-2156 RS by Radio, EG tlk. (Hensley)
- 15150 CHILE RN de Chile; 0200-0257 SP M w/tlk, LAm mx, ID's. VG (Lausevich).

LOG REPORTS

section E

17700 and above

Editor: Brett Saylor, P.O. Box 10, Whitehall, PA 18052

NEW ZEALAND RNE; 0140-0445 EG, class mx, weather reports, f-g (7 reporters)
GUAM KTRW; 2250-2300 INDO, rel tlc, mx, ID 2300; fair, co-chan QRM (Buer 3/19)
USSR RM; 0336-0346 EG, tlc on law & order in the US & USSR, g (Hensley 3/24)
USA VOA; 2215-2340 SP/EG; nx on LAm, into EG 2330, g (Jordan 3/30)
CUBA RH; 0150-0158 SP, tlc, ID, co-chan Peking until 0156; g (Buer 3/27)
SOUTH AFRICA R RSA; *1700-1710 DT, IS, ID in EG, nx, f (Mayer 3/20)
ALGERIA RTVA; 1355 FR, call-in show, pop mx, ID, nx, f (Lafrance 4/2)
JAPAN RJ; 2215-2300 EG, nx, mx interlude, cmtry, g (Stanley 3/14, no name 4/3)
USSR? R Habana relay; 1710-1720 EG, nx, anti-US cmtry, f (Cobb 3/21)
UK BBC; 1430 EG, "Karl Marx-The Man" (3-part series), vg (Fraser 3/6)
FRANCE RFI; *1600 EG, "Paris Calling Africa" (PCA), nx, better on //21685 (Thunberg)
AUSTRALIA RA; 0300-0400 EG, nx, sports, editorials, mx, f (Stanley 4/1)
USSR R Peace & Progress; 1550 EG, anti-US cmtry, off 1600 (no name 3/27)
TAIWAN VOFQ; 0300 EG, Chinese nx, econ rpt, mx, exc (Stanley 3/14)
JAPAN RJ; 0300 EG, nx, cmtry, g (Stanley 3/10)
BRAZIL R Cultura (tent); 2245-2300 PT, Braz mx, ant Sao Paulo, p (Bobb 3/12)
ISRAEL KY; 1530 PARSII, s/on, nx (Alcorn 4/3)
CANADA RCI; 1500 EG, "Sunday Morning" pgm, f (Alcorn 4/3, Fraser)
JAPAN RJ; 2344-0025 EG, s/on, pgm abt Japanese health foods (Purdum 3/17, HTS, Plum)
CANADA BBC relay; 1705 EG, soccer results, other sports, g (Grosvenor 3/19)
SWITZERLAND SRI; 1545-1559* EG, "Dateline" pgm (Thunberg 3/14)
BRAZIL R Bras; 0200-0247 EG, Braz pop mx, cmtry (Bonnet 3/22, Stanley, HTS) Passkiewicz)
PAKISTAN RP; 0230 EG, slow-speed news read by W, p; // 13mb freq not aud (Peteraky Mayer)
NORWAY RNI; *1900 EG, nx, mx, g; // 17860 g (Reid 3/27)
CHINA RB; 2315-2326 SP, 0000-0030 EG, IS, ID, nx, cmtry (Plum, Passkiewicz, Hensley,
COLUMBIA R Bogota, 0000 SP, educational pgm, w/ math, pronunciation, grammar (Lafrance
USSR R Vilnius; 2300 EG, nx summary, f (Stanley) 0030-0058, 0300 EG, R Kiev;
IS, ID, nx, Ukraine mx (Jordan, Stanley)
CANADA RCI; *1900-1958* EG, nx, "Sunday Weekend Magazine" (Krist 3/13)
USSR RMWS via Irkutsk; 0030 EG, audio book club story of Yuri Gagarin (Plum 4/9)
PORTUGAL RP; 1805 EG, to Afr, nx by same M anncr as in NAm svc (HTS 3/19)
CHINA RB; 0148-0155* EG, to NAm, Listeners quest's, //17855 (better) (Buer 3/7)
BRAZIL RB; 0210 EG, spur from 17830, badly distort, also 17545, 17600, 17655, 17720, 17775, 17945, 18000, 18055; no problem w/ //15290 (Buer)
BRAZIL VOA; 1200 SP, weak w/ID, nx, many // 's (Rigas 3/21)
BRAZIL R Bras; 2100-2130 GM, tlc on students, annc'd change from 17720 (Wood, Treibel)
QATAR QBS; 1650 AR, good w/ mx, 5 pips at 1700, nx (Rigas 4/2)
GREECE VOG; *1500-1550* GK, EG, IS, WA, nx in GK, mx; nx in EG 1540; Qatar QRM; annc'd freq as 17915 (Rigas 4/2) 1835-1849* GK, EG (Thunberg 3/14)
CLANDESTINE Voice of Sudanese Pop Rev; 1545 AR, mx, ID, tlc by M (Thunberg 3/13)
EGYPT R Cairo; 0515-0530 AR, nx, ID, 2x9455, strength equal fundamental (Wood 3/24)
FRANCE RFI; 2125 FR, 2x9715, nx, weak; fund much stronger (Rigas 3/23)
USA VOA; 1930 Lang, feeder, ID, nx, g (Lafrance 3/12)
USA WYFR; 1748 GM, mx; judging from strength I'm barely rcvg the ground wave (Bolland)
ASCENSION ISLAND BBC; 1725-1745* EG, interview, to Afr (Bolland 3/19)
ECUADOR HCJB; 2130-2159* EG, "DX Party Line" (Krist 3/14)
VATICAN STATE VR; 0720-0731* Slavic or PT; IS, bells, choral song, freq ann (Park)
ITALY RAI; 1830-1904 IT, sports nx, pop mx, off 1904; g (Bolland 3/11)
PAKISTAN RP; 0230-0245 EG, nx by W (Wheeler 3/28)
USSR RMWS via Riga; 1257-1320 EG, "Midnight in Moscow" theme (Jordan 3/7)
AUSTRIA ORF; 1235-1256* EG, "Profile of Austria" pgm (Jordan 3/7)
NETHERLANDS ANTILLES RN; 1800 AR, tlc by M, vg (Vargo 4/5) Bonnet)
UNITED ARAB EMIRATES Dubai; 1615 EG, tlc on fall of Jerusalem to crusaders (Lafrance
PHILIPPINES AFRTS; 0540-0550 EG, nx from The Source (US network), g (Wood 3/24)
AUSTRALIA RA; 0250-0310 EG, sports nx, fill mx, "RA Sporting Service" (Mayes 4/9)
NETHERLANDS ANTILLES RN; 1903 FR, mx, special requests (Lafrance) *2030-2119* EG, "Happy Station Show" (Krist, Bonnet, Stanley)
UAE Dubai; 0530-0545 EG, lengthy nxcst rd by British W, vg (Wood 3/24)
PAKISTAN RP; *0515-0615* AR, ID, Punjabi mx, //17640, 15565 (not on 15495 to avoid Kuwait), vg (Wood 3/24)

out of room, 73's

LOG

FRENDX

REPORTERS

Nick Pappas, 251 S. Olds Blvd., Apt. 243 Fairless Hills, PA 19030

Welcome to the May '83 edition of FRENDX, and thanks to the following sixty-nine reporters for their contributions:

Leonard Abbey, Atlanta, GA (DX-302); Samuel Alcorn, Morrisville, PA (DX-200); Brian Alexander, Mechanicsburg, PA; William Bainbridge, Fairmont, WV (ICF6800); Kirk Baxter, Shawnee Mission, KS (NRD515, R4B); Marion Blanchette, Thonotosassa, FL (DX-100, RF260); Norman Bobb, Minneapolis, MN (XCR30, ICF2001, R600); Charles Bolland, Lakeworth, FL (ICOM R70, FRG7000); Arthur Bonnet, West Lafayette, IN (DX-302); Paul Buer, Miami, FL (SPR-4/FS-4); Neil Carleton, Ottawa, ONT (FRG-7700, FRA7700mod, ICF2001); Paul Choroszy, Saco, ME (FRG7000); Ken Cobb, Portland, ME (RF4900, RF2800); Dave Cooper, Saginaw, MI (DX-200); Larry Cunningham, Columbus, OH; Richard D'Angelo, Wyomissing, PA; Ronald David, New York, NY (DX-160); Barbara Ann Dill, Saint Marys, PA (RF2200); Marlin Field, Hillsdale, MI (SPR-4, SX-100); John Fisher, Chelmsford, MA (GPR-96); Bob Fraser, Cohasset, MA (XCR-30); Jim Gorichanaz, Greenfield, WI (DX-302, R1000); Norman Grosvenor, Hollywood, CA (FRG-7); Reza Hakimnezhad, Tuscon, AZ (FRG-7700); Michael Hawk, Hampton, VA (GE World Monitor II, XER-30); Baxter Hensley, El Paso, TX (FRG-7mod, SX-190); Don Hosmer, Dearborn, MI (RF3100, ICF2001); Hans Johnson, Kingswood, TX and DXpedition to Bastrop State Park, TX (FRG7000, RF2200); Rufus Jordan, Pittsburgh, PA (DX302, Zenith Transoceanic); Kraig Krist, Falls Church, VA (FRG7700); Terry Krueger, Casselberry, FL (IC-R70, RF4900, RF2900); Arnold Lavsevich, Milwaukee, WI (HQ180C, RF4800); Bruce Lindsey, Rochester, NH (DX302); Dale E. Long, Litzitz, PA (ICF2001); Rick Lucas, Stockton, CA (R-1000); Mike Magick, Glendale, AZ (RF-085); Sandra Manning, Garland, TX (FRG7700mod); Bill Mayer, Allentown, PA (DX-200); Tom McCasland, Kansas City, MO (RF2200); Fritz Mellberg, Hawarden, IA (R1000, RF2900); John Meyer, Keinersville, WI (RF2800); Kevin Mikell, Park Ridge, IL (RF4800, RF2200); Dan Miller, Plover, WA (RF2900); Dale Park, Honolulu, HI (ICF6700W); Sheryl Paskiewicz, Manitowish WI (DX302); Paul Petersky, Houston, TX (ICF2001); Bill Plum, Irvington, NJ (FRG7700mod); Gene Purdum, E. Lansing, MI (FRG7700mod); Andy Reid, Peterborough, ONT (S-53A, OX60); Christos Rigas, Chicago, IL (R2000); Chris Samuel, Winnipeg, Manitoba

(RF2800); Harold Sellers (HTS), Scarborough, ONT and DXpedition to Uxbridge, ONT (RF2800); Todd Smith, Wilton, CT (Astro-5); Trevor Stanley, Flagstaff, AZ (NRD515); Nolan Stephany, Williamston, NY (R392); Robert Strauss, Columbus, OH (FRG7mod, FRG 7700mod); Wallace Treibel, Seattle, WA (FRG7000); Bob Thunberg, DuBois, PA (SSR-1, HQ200); Dave Valko, Dunlo, PA (DX160, FRG7); Robert Vance, Bamberg, West Germany (FRG7mod); Daniel Viens, Hudson, NH (DX300, DX160); Barry Washburn, Glens Falls, NY (DX302); Terry Weinhold, East Earl, PA (FRG-7, DX160); Frank Wheeler, Andover, KS (ICF6800W); Jonn Wilkins, Wheat Ridge, CO (R1000); Eric Witzig, Annandale, VA (R1000); Richard Wood, Abha, Saudi Arabia (R-7, R-1000); Bob Woods, Front Royal, VA (RF4900); Robert Zilmer, Rio Rancho, NM (R1000, ICF5900W).

Until next month, 73's and good DX,

Jack

Stamp collectors who are also shortwave listeners or amateur radio operators may now pursue both hobbies in one club. The International Ham-Stamps Club, with membership now in 30 DXCC countries, is a new organization open to all hams and SWLs who also collect stamps. The Club publishes a quarterly magazine/newsletter, HAM-STAMPS, which features articles on amateur radio and radio-communications stamps, stamp checklists, members names, areas of collecting interests, and news about new issues of radio stamps. NASWA & CIDX member Neil Carleton (Ottawa, Ontario) reports that Vol.2 No.1/1983 of HAM-STAMPS arrived in his mailbox 20/04, and is 6 pages, photocopied both sides, with news about new issues of radio stamps and postmarks worldwide, feature about IRCs, new members list, and many illustrations or radio stamps, postmarks and envelopes. A HAM-STAMPS net is also reported on 14250 kHz every Sunday at 2000 UTC. The deadline for contributions to the next issue is 01/06/83. Membership fee for 1 year is 7 US \$, 40.-N.kr, or 21 IRCs. For more information write: Mr. Mathias Bjerrang, Editor, HAM-STAMPS, Longyear Airport, 9170 Longyearbyen, Svalbard Island (Norway).

Neil would like to hear from other SWLs and hams worldwide who collect radio stamps too. He collects stamps from around the world that commemorate, or include in their design, radio stations, broadcast services, radio clubs, inventors, radio equipment, and symbolic or stylized designs for radio waves, antennas, microphones, towers, etc. His collecting and listening interests include all aspects of radio: international, domestic, amateur, utility; long, medium and shortwave; inventors, equipment and listening to or transmitting radio signals. Neil has prepared an illustrated information sheet about collecting radio stamps that may be of interest to other SWLs, hams and collectors. It is available for 2 IRCs and a business-size, self-addressed envelope: Neil Carleton, 187 Allison Avenue, Ottawa, Ontario, K2B 5B8, Canada.

WANTED: Allied SX-190 or Heathkit SB-313 or Hammarlund AX-180 receiver in mint condition with operating manuals. Will pay a reasonable price and UPS shipping. Solomon Wilson, 8048 Rodney Street, Philadelphia, PA 19150. Phone (215) 224-5382 after 6:00 pm.

FOR SALE: NRD-515 receiver with speaker. Three Collins filters added. Price \$1395.00 or best offer. ALSO Sony ICF-7600A with AC adaptor, \$85.00. Both UPS paid. Mark Gordon, 5428 Fulton Street, San Francisco, CA 94121. Phone (415) 752-2013 evenings and weekends.

ANTENNAS/ACCESSORIES

EDITOR: Mike Agner 301 N. Progress Ave Apt. G10 Harrisburg Pa. 17109

Hi everyone. By the time you read this, I expect that people will be thinking about building antennas and improving the array for the next DX season. So this month, we have a short bit on one that I referred to in an earlier column. I think most people will recognize this as a helical vertical antenna, but it does have some unique construction requirements.

First off, we need an old fishing pole- one that the big one that got away cracked or perhaps one that has been hanging around in the garage for awhile. To this we wind in an even fashion as possible about 80 feet of insulated #18 wire. The winding should be as close spaced as possible, and should be nice and snug. When you reach a guy, just wrap a single turn around it and keep winding.

When you are all through, get a collapsible brass whip, like the Radio Shack one mentioned in the diagram. Anything like this that is collapsible and about 4' net- er... in length will do- like a replacement TV whip for those portables you see occasionally. The whip will now droop like a piece of wet spaghetti, so if it is to be mounted outdoors, the guy rings can be used for supporting lines, rope etc.

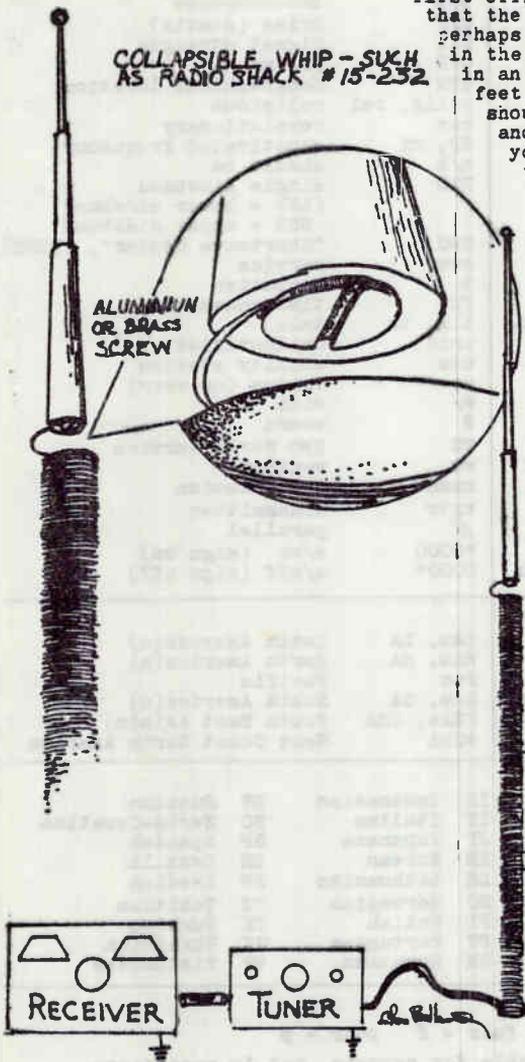
The next item is the tuner. I have tried about 6 or 7 separate designs, and found no one to produce super results over the other. A Pi network tuner will do just as good a job as a simple L network or transmatch. Just make sure that it is capable of matching your antenna to your rx. I use a transmatch with my R7A and a L network with my modified FRG7.

How does it work? I've been quite impressed with this little marvel ever since I read about it in Traister's book How To Build Limited space Antennas that Work and saw an example of this at a SPADES meet some years ago. I li- ke the way this little guy goes nuts on 60 when the little whip i- s fully extended. Changing the collapsible whip's length will al- so change the resonant frequency of the antenna. As an extra, I would also urge you strongly- do ground this antenna when not in use- that brass whip at the end of the rod will act like a dandy lightning rod.

Any construction questions- or other queries- please include a SASE. 73s

COLLAPSIBLE WHIP - SUCH AS RADIO SHACK #15-232

ALUMINUM OR BRASS SCREW



NASWA ABBREVIATIONS

The following abbreviations are the ones most often used, especially by the Log Report editors. Though it might be desirable to spell out words rather than to abbreviate, the use of abbreviations permits the inclusion of more items in the space available. When reporting, you can also use the same abbreviations, but feel free to write out anything that might be ambiguous. All the times used in FRENDX, except where otherwise indicated, are in the 24-hour GMT (Greenwich Mean Time) system.

approximate	mx	music
Amateur Radio Operator (ham)	NA	National Anthem (or North America)
BBC Monitoring Service	NP, nf	new frequency
BBC World Service	nx	news
classical music	pgm	program
commentary	QRK	Readability
continuous wave	QRM	Interference
disc jockey	QRN	Noise (static)
East is Red	QSA	Signal strength
easy listening music	QSB	Fading
Foreign Broadcast Information Service	QTH	Geographical location
fade in	relig, rel	religious
fade out	rev	revolutionary
frequency	RF, rf	reactivated frequency
fundamental	s/b	should be
harmonic	SSB	single sideband (LSB = lower sideband, USB = upper sideband)
heterodyne	SWC	"Shortwave Center", FRENDX
Home Service	svc	service
identification	t	tentative
Internationale	TC	time check
interval signal, identification signal	tlk, tk	talk
International Telecommunication Union	unid	unidentified
unknown language	ute	utility station
letterbox, mailbox	v	varies (or very)
language lesson	w/	with
"Listeners Notebook"	W	woman
"Log Report", FRENDX	WS	BBO World Service
level	wx	weather
local	xmsn	transmission
man	xmtr	transmitter
modulation	//	parallel
middle of the road mx	*0000	s/on (sign on)
	0000*	s/off (sign off)

<u>ography:</u>		
r, Af	Africa(n)	LAM, LA
	Asia(n)	Latin America(n)
n, CA	Central America(n)	NAM, NA
NA	East Coast N. America	North America(n)
	Europe(an)	Pac
	Far East	Pacific
		SAM, SA
		South America(n)
		SEAs, SEA
		South East Asia(n)
		WCNA
		West Coast North America

<u>anguages:</u>			
Afrikaans	EG	English	IN
Albanian	FS	Farsi	Indonesian
Arabic	FN	Finnish	IT
Armenian	FR	French	Italian
Bulgarian	GM	German	JP
Chinese	GK	Greek	Japanese
Czech	HB	Hebrew	KR
Danish	HD	Hindi	Korean
Dutch	HG	Hungarian	LH
			Lithuanian
			NO
			Norwegian
			PL
			Polish
			PT
			Portugese
			RM
			Romanian
			RS
			Russian
			SC
			Serbo-Croatian
			SP
			Spanish
			SH
			Swahili
			SW
			Swedish
			TT
			Tahitian
			TK
			Turkish
			UK
			Ukrainian
			VT
			Vietnamese

orting signal quality:
 excellent = exc, e good = g fair = f poor = p
 NPO and SIO codes are acceptable for reports, but in most cases
 letters will convert to the above format for publication purposes.)

HAP THANKS: Donations have been received from Maico Kelly, John Bryant, Barry Dean, Philip Dampier, Delbert Fye, Tom Mooningham, Tom Laskowski, Bill Matthews, Jim Fortney, Bob Fraser, Edwin Southwell, Carl Mann, Jim Kowalski, Dave Lasky, Dirk Albrecht, Christos Rigas, Don Johnson, Ed Mauger, Ron Howard, Scott McClellan and Mark Warner. Thank you very much ...Sam.

HAP DIRECT SALE ITEMS: The following stickers/decals are \$.25 each or any 5 for \$1.00.
WJPC, WABB (small), KSRR, WJCO (mini), Radio Tees, ZZA, ESPN, Radio Prague, Radio Bucharest, Polskie Radio, RIAS (traff Punkt), Radio Sweden, LZB, ORF, Metro Radio, Radio DeeJay, PCH, 4ZA, 4GG, Capital Radio, 6WF, Capital Radio (square) and (long), BDXC, Radio Nacional de Espana, RSI, Radio Budapest, WNET, KHFI, WRCK, WYSL, KTXQ, KBDF, KBOI, WMPF, KTYD, WGGI, KROY, WDBO, WBOS, WRCC, WSDT, KGB, KWLF, WPLJ (Doors) (Stones) (Who) (AC/DC) (Rock/Roll), WLUP (large) (small), WINS, KVET, WESST (large) (small), WEEL (mini), WZZO (large) (small), KNOW, WLPX, KLDN, WWSW, WCFL (large) (cir.), WAYE, WSTU, WZZD, MTV, KCOL, KCUZ, KLEF, K TSA, WCMF, WLRG, WGLC, WJVA, KLLO, XIOS (large) (small), KLRZ, WLLZ, WEXX, KIXX, WPLR, WMMR, WIRE, KOKE, KPWW, KDKD, KOLO, WGLB, WNMU, KJR, KOMF (black), CKLG, UKNW, CFAX, The following ones are \$.50 each: Radio 120, Radio Aire, 2CH, Radio El Mundo, 7EX, Radio Tay, 2YB, FR3, Voice of Free China, RNE (Soccer), XLO, Radio Avon, Polskie Radio (coat of arms), Radio Caroline (black) (white) and Deutsche Welle. Send in your orders now!!!

ADDITIONAL DIRECT SALE ITEMS: The following items are available at the quoted prices: KYUU X-large poster \$.75; WPEZ and KBOI paper hats at \$.50 each; WEMP, WQFM, Discos-99 iron-on T-Shirt decals at \$.25 each; KREM or WPLJ plastic ID cards at \$.25 each; 2GB coaster at \$.50; WWON ice scraper at \$.50; WMMR large book cover at \$.25; CBC Southwest Ontario plastic litter bags at \$.75; WCTC key chain at \$.50; London Music Radio, Thameside Radio and European Music Radio paper banners at \$.25 each; Radio Habana Cuba book markers at \$.25; Radio Forestland balloons at \$.50; WLPX, WMMR, WNET (dark) (light), CFTR (Blues Brothers), WLUP and Radio City-194 metal badges at \$.25 each; KAZM metal badge at \$.50; Radio London, Radio Caroline, Radio Nor, Radio West, Radio Duomo (car) (woman), Voice of Syncom and Radio Fil Rose B&W mini-posters at \$.25 each; KIVI litter bag at \$.50. Hope there is something here for you!!!

HAP BID ITEMS: #432: CBO metal badge (2"cir) red, white, blue-great! #433: KMET "Immoral Minority" metal badge (1.5"cir) red, white. #434: ESPN metal badge (1.5"cir) red, white. #435: Radio City (UK) 3 different DJ photos (4x6"). #436: WAYE metal badge, red, white-nice! #437: Radio City station pen, red, B&W. #438: Radio Forth (Scotland) station pen, black, orange. #439: Radio Forth sticker (3.5x5") orange, B&W. #440: Radio Korea sticker (3.5x5") m/c-beautiful! #441: WDR Radio (Germany) sticker (4x4.5") m/c-new! #442: 3KZ (Australia) "Heart" coaster, m/c-beauty! #443: 3KZ station balloons, m/c. #444: KBAM sticker (3.5x1.5") red, B&W-nice. #445: KTFM sticker (4.5x8") m/c-very nice! #446: NMR USCG Radio (Puerto Rico) station pen, B&W. #447: Radio Forth key chain-beautiful. #448: VOA 6" ruler, B&W. #449: VOA sticker (3"cir) red, white, blue. #450: Radio Tower (UK-Pirate) decal (3x18.5") green, white. #451: Frequence Gale (France) sticker blue, pink-nice! #452: WEEL "Rainbow" sticker (3.5x8.5") m/c. #453: Radio London (UK) paper banner (3x10") yellow, black. #454: Radio Caroline (UK) paper banner (3.5x18") red, B&W. #455: World Telecommunications Exhibition sticker (3x3) m/c-beauty! #456: Deutsche Welle (Germany) extremely large poster (33xover 4'!) blue, white. #457: Radio Avon (New Zealand) sticker (5x19") red, white, blue. #458: Radio Rhema (New Zealand) station pen, blue, white. #459: Radio Monte Carlo (Monaco) sticker (2.5x6") red, white. #460: KLLO "Logo" T-Shirt (L) gray, red, B&W. #461: KOMA "I Love My Country" T-Shirt (L) red, white, blue. #462: Deutsche Welle cloth pennant (6x13.5") blue, white. #463: Radio Sweden "Keep in Touch" sticker (3x24") yellow, blue. #464: Radio Sweden cloth pennant (3.5x9.5") blue, yellow. #465: XLO Radio Otago (New Zealand) sticker (3.5x4") blue, white, green. #466: Radio Northland (New Zealand) sticker (5x6") m/c. #467: XLD (New Zealand) sticker (1.5x7.5") blue, white. #468: Radio Nacional de Espana (Spain) sticker (3.5"cir) red, B&W. #469: Radio Disco (Dominican Republic) sticker (3x7.5") red, B&W. #470: RTE Radio 2 (Ireland) sticker (2.5"cir) m/c. #471: RAI (Italy) sticker (4x5.5") m/c-beautiful! #472: Radio Rumbo (Costa Rica) sticker (2.5x4") m/c. #473: Radio Kelly Milano (Italy) pennant sticker m/c-really nice! #474: Radio Nelson (New Zealand) sticker (2.5x7.5") m/c. #475: Radio Libertaire (France) sticker (3.5x4") B&W-nice! #476: 4ZB (New Zealand) sticker (3.5x6") m/c. #477: WDRC sticker (2x9.5") black, red, yellow. #478: WABB "War Eagle" sticker (4x7") m/c. #479: Radio Time and IBC (Italy) sticker-2 stations on one item- (2.5x7.5") m/c-nice! #480: WKRIS ice scraper, red, white. #481: CKCR sticker (5"cir) black, orange. #482: Radio Benelux sticker (4"cir) black, red. #483: Radio Benelux sticker (4"cir) black, orange. #484: Radio Tees (UK) 12" ruler, red, B&W-very good looking! #485: Radio Tees "I'm Turned On" sticker (3x11") red, B&W. #486: Radio Tees metal badge (1.5"cir) red, B&W. #487: KSRR "97 Rock" T-Shirt (M) B&W. #488: Capital Radio (UK) key chain, blue, gold. #489: Capital Radio metal badge (1"cir) blue, gold-super! #490: Downtown Radio (Northern Ireland) sticker (4" by over 4 feet!) blue, white-super! #491: CFOX sticker (5"cir) m/c-beauty! #492: CBC Radio "Dr. Bundolos Pandemonium Medicine Show" iron-on T-Shirt decal, m/c. #493: CBC Radio "90 Minutes with a Bullet" T-Shirt iron-on decal, m/c. #494: BBC World Service metal badge (1.5"cir) red, white, blue. #495: WPLR plastic key chain, red, white. #496: Radio Korea new cloth pennant with yellow frill (4x9") beauty! #497: RTBF (Belgium) paper pennant (4x8") m/c. #498: WRCK T-Shirt (M) with blue background. #499: WDR Radio (Germany) black and blue station pen. #500: Deutsche Welle sticker (4x4") green, B&W. #501: BBC Radio Newcastle (UK) sticker (4x5") m/c-nice! #502: BBC Radio Newcastle 2 different B&W DJ photos (8x12")-very nice.

NOTE: I'd like to thank everyone for the great support they have given to our efforts. All of the independent HAP Programs throughout the world can certainly use all of the assistance that we can provide...Sam.
ADDRESS: Send your orders for direct sale items and your bids to Sam Barto, 489 King St., Bristol, CT. 06010 USA. ...We will be at ANARC with many of the above items and with 100s of station pennants and T-Shirts that we have yet to advertise! See you there....Sam.

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