

FRENDX

NO COLLECT CALLS ON THESE ADS, PLEASE!

FOR SALE: National NC-173 SWL receiver. Covers 1.6 to 31 MHz. With manual and in excellent condition. Send SASE for photo and any questions. \$145.00 FOB. Charles Klawitter, 4627 N. Bartlett Ave., Milwaukee, WI 53211.

FOR SALE/TRADE: Specially modified FRG-7. Full wave det., 4 kHz selectivity, flattened audio response to 10,000 Hz, OP-AMP S-Meter accuracy/linearity circuit, variable AGC and mixing gain (sensitivity) boost. Comes with xtal calibrator, manual, 12v DC auto cord, battery pack and alk. batteries. \$390.00 or trade for an R-390/A in reasonably good condition. Lin Robertson, 7926 S. Corona Ct., Littleton, CO 80122. Phone (303) 797-8308.

FOR SALE: Hammarlund HQ-145-C complete with manual, \$125.00. Hammarlund "Pro" 310 receivers, \$150.00 each. All in good mechanical and physical condition.
WANTED TO BUY: I would like to buy a Hammarlund HQ-180-AX receiver with the 11-position crystal switch assembly installed in place of the usual clock timer. Dave McLaren, Rt 2, County Line Road, Rock Falls, IL 61071 or call (815) 626-5443 after 4:00 PM CST.

FOR SALE: Yaesu FRG-7 in excellent condition. Has 4 kHz filter plus Collins 2.9 kHz mechanical filter and Radio West digital readout. Original box and manual. \$250.00 plus shipping. ALSO: Sanserino MW Loop, \$50.00; MFJ-752 Audio Filter, \$60.00. Randy Tomer, 1969 27th St., Arcata, CA 95521. Phone (707) 826-1232.

WANTED: I would like to buy 50 to 100 IRC's for 25¢ each. Elaine Hill, Rt. 2, Box 201, Skyland Drive, Clinton, SC 29325.

FOR SALE: Yaesu FRG-7 in excellent condition with fine tuning, Collins Mechanical filter, fast/slow signal control. \$250.00 or best offer. Vasant Shridharani, 96 Cedar Drive West, Plainview, NY 11803. Phone (516) 935-0380.

FOR SALE: Twenty-four issues of FRENDX (Jan. 1980-Dec. 1981), SWL Address Book with Updater and other books on receivers. \$19.00 Ppd. ALSO: Tymeter Direct Readout 24-hour clock in excellent condition, \$14.00 Ppd. Andrew Pappas, 11421 S. Maplewood Ave., Chicago, IL 60655.

WANTED: Copies of cassette tapes or recordings containing excerpts of domestic SW or MW broadcasts of countries other than the U.S. I prefer Idents, Interval signals, local news, etc. I would also like recordings of speeches, news broadcasts, etc. in the languages of the Soviet Union, China, India, South East Asia, Africa, etc. Length of material is not important. I will furnish blank cassettes, if required. Also willing to exchange for local US broadcast recordings. Jim Uerlings, 3908 Kelley Drive, Klamath Falls, OR 97601. Phone (503) 884-7659 after 0100 GMT.

FOR SALE: 1981 WRTH in good condition, \$7.00 including 4th Class Book Rate. Ron Tekulve, Jr. 1122 Westfield Drive, Harrison, OH 45030.

FOR SALE: Drake SPR-4 receiver in mint condition with Ham band and domestic SW band crystals plus speaker. Set is modified for Drake synthesizer. \$335.00 including shipping and insurance. Certified check or money order, please. Roger Giannini, 1111 Forest Hills Drive, Belleville, IL 62221. Phone (618) 235-4059 at any reasonable hour.

FOR SALE: FRG-7 modified with Gilfer 3 kHz and Radio West 2.9 kHz mechanical filter and fast/slow AGC. Comes with Yaesu matching external speaker, Gilfer GAR-7 readout, Ameco PT-2 Preamplifier, and Autek QF-1 Audio Filter. All in excellent condition with manuals and cartons. Reason for selling, I'm buying an NRD 515. Price \$500.00. Steve Leite, 895 Bedford St., Fall River, MA Phone (617) 675-2830 from 2200 to 0100 GMT.

FOR SALE: Allied SX-190 receiver in very good condition. A sensitive and easily modified set. Comes with crystals for 80, 49, 40, 31, 25, 20, 19, 16, and 11 meters as well as two blank slots. Service and owner's manuals. \$125.00 firm including UPS in US. William Krause, 3913 9th Lane, Anoka, MN 55303. Phone (612) 427-6636 from 0100 to 0600 GMT.

FOR SALE: Gilfer C-10 Calibrator purchased in 1978 and hardly used. (Purchased a digital receiver). Asking \$30.00 including UPS. Gerald L. Clark, 2051 South 9th St., Lafayette, IN 47905. Phone (317) 474-5128.

NO COLLECT CALLS FOR THESE ADS, PLEASE!

NASWA

HEADQUARTERS
REPORT

NORTH AMERICAN SHORT WAVE ASSOCIATION

45 WILDFLOWER ROAD, LEVITTOWN, PA. 19057

THE COVER

This month's cover, like last April's, contains the overflow of the Helping Hand ads which could not be included in FRENDX during the past few months of the DX season. I'm aware that it isn't beautiful, it's not meant to be. It's intended to be helpful...and I hope it is. The usual FRENDX covers will resume next month.

THANKS, TERRY

I would like to express my thanks, and the thanks of the NASWA Executive Council, to Terry Krueger who retired last month from his duties as editor of Log Report "A". Terry did a wonderful job for FRENDX during the past 2½ years in an area of the SW spectrum in which accuracy is all-important. We wish him well with his college studies. At the same time I'd like to welcome Dr. Stu Klein as the new "A" editor. It's nice to have someone with Stu's ability take over this demanding job.

FOR SALE: NASWA Tropical Bands Guide, 2000-5900 kHz. Over six years of NAM Log Reports combined with all needed info including frequency/schedule variations and rarity guide for NAM. Now available for \$3.00 US/Canada/Mexico and \$4.00 elsewhere. George Sherman, Box 2284, Minneapolis, MN 55402.

WANTED: Info on modifications to improve selectivity and dynamic range of DX-302. Also interested in purchasing Hallicrafters SX-73 or Hammarlund SP-600 series in good condition. Larry Vipond, 303 E. South Mountain Ave., #6, Phoenix AZ 85040.

FOR SALE: Panasonic RF-085, \$60.00. National NC-109 receiver, 0.5-41 MHz, AM/SSB, BFO pitch, crystal phasing, \$75.00. MFJ SSB Filter, \$15.00. Torrestronics Digital Readout, xxx.x format, dual programmable IF compensation, \$90.00. Fred Schumacher, RR 2, Box 231, Kindred, ND 58051. Phone (701) 428-3839.

FOR SALE: Barlow-Wadley XCR-30, \$150.00. Panasonic RF-2900, \$150.00. Sony ICF-5900W, \$75.00. Zenith Transoceanic, \$150.00, Grundig 30005, \$150.00. Nordmende Globetraveler, \$75.00. Bill Wurtzel, 32 West 31st St., #7, New York, NY 10001. Phone (212) 594-1168. All items shipped on receipt of funds.

FOR SALE: Radio Shack DX-300 in very good condition. Price \$200.00 with service and owner's manuals and original carton. Shipping prepaid. Mike Todd, Box 392, Banner Elk, NC 28604. Phone (704) 387-4561 from 0100 to 0300 GMT.

FOR SALE: Panasonic RD-9820 Antenna Coupler in excellent condition, \$20.00 ppd. John V. Eder, Rt. 2, Box 10, Inverness, FL 32650. Phone (904) 726-4776.

FOR SALE: Panasonic RF-3100, mint, \$210.00. RF-2200 with never-used Panasonic matching antenna tuner and inverted "L" antenna and ground, \$85.00. GE Super-radio, "B" Model with antenna terminals, \$40.00. I pay shipping. Frank Shoemaker, Box 6432, Syracuse, NY 13217. Phone (315) 446-9016 evenings.

WANTED: Tapes of Idi Amin playing accordian, ranting, mad times, other notables and great moments in history. I also collect tapes of Beatles radio performances, interviews, etc. Will buy or trade. Eric Swedberg, 1529 SE Hawthorn, #205, Portland, OR 97214.

NOTICE: Doug Johnson reports that Olle Alm, Soviet DXpert, has assembled an "arm chair" quality 60 minute tape cassette with three-page commentary devoted to 60 different interval signals used by LW, MW and SW stations throughout the USSR. Included are such gems as Ashkhabad 4825 kHz and Dushanbe 4635 kHz. Send a ten dollar bill (\$10.00) direct to Olle Alm, Tjädervägen 6 A, S-87100 Härnösand, Sweden.

NOTICE: Todd Hyder reports that McKay-Dymek Co., 111 South College Avenue, Claremont, CA 91711 is clearing out their remaining stock of DR-11 portables for \$97.50 each including shipping by UPS. They were manufactured in the USSR for McKay-Dymek and are the equivalent of the "Vega Selena" radios. All units are new, in box, with warranty. For more information, contact the company at the above address or call (800) 854-7769. There aren't many left.

FOR SALE: FRENDX vol. 11 (1972) #10-12, \$3; vol. 12 (1973) #1-7 & 9-12, \$8; vol. 13 (1974) complete, \$10; vol. 14 (1975) #2-6 & 8-12, \$8; vol. 15 (1976) #1-6 & 8-11, \$8; vol. 16 (1977) #2-4 & 7-12, \$8; vol. 17 (1978) complete, \$10; vol. 18 (1979) complete \$10; vol. 19 (1980) complete, \$10; vol. 20 (1981) complete, \$10. SPEEDX vol. 12 (1977) #2 & 7-12, \$5; vol. 13 (1978) #1 & 3-4 & 6-12, \$8; vol. 14 (1979) #1-9 & 11-12, \$8; vol. 15 (1980) #1-9 & 11, \$8; vol. 16 (1981) complete, \$10. Richard E. Wood, 1922 Rampart St., Cape Girardeau, MO 63701.

NO COLLECT CALLS!

shortwave CENTER

A Chronicle of DX Articles,
Interviews, and Opinion



Gerents: John J. Moritz Jr., 4779 Pine Trace, Youngstown, Ohio 44515

April 1982

Amigos mios, this month we feature an exclusive interview with the editors of the WRTH. Dan Robinson concludes his sterling series on the VOA controversy, and our "regulars" ring in with some interesting tips and comments. Next month we begin a series of Shortwave Center Petrospectives, which will deal with stations and countries that once operated on the short-wave bands but are now silent. We think you will enjoy it and Don Jensen will start things off with a retrospective on Radio Swan, a semi-black clandestine that operated in the 1960's. Catch it all right here in the pages of Shortwave Center, the original chronicle of dx articles, interviews and opinion!

WORLD RADIO TV
HANDBOOK

THE SHORTWAVE CENTER INTERVIEW: Jens M. Frost and Andrew G. Sennitt

(Editor's notes: The idea for this interview first came in July of 1981. I had just returned from a round of golf and decided to write to Jens and Andy and see if they were receptive to the idea of doing an interview for me for SWC. I was reasonably certain they would go along with the idea, having met them a year before in Philadelphia, where they were wrapping up the final touches to the 1981 edition of the book. I was ill-prepared for the wait that ensued though! Andy wrote back and indicated that they were in the busiest part of the year, and that it would be best if the interview could take place in January of 1982, after the publication of the current handbook. I agreed, and waited for the expected reply to come in January. When it was not forthcoming I forwarded another letter in late January. Little did I know that they were still in the States hard at work concluding the current edition and beginning work on the 1983 model! It seems a last minute snafu delayed their return to Europe, and they did not find their way back home until the first week in March, at which time the first thing on their menu was getting some answers together for our interview. What follows is an in-depth look at the WRTH and the key people behind it. jm)

SWC: Welcome to Shortwave Center! Before we go any further allow me to say that I thoroughly enjoyed meeting you both back in 1980. Indeed, the dinner and conversation were most memorable. How was it that the WRTVH came to be in the first place? Jens, you would be the logical man to answer this, but Andy, please feel free to jump in at any time.

Frost: The idea of the WRTH in fact goes back to the years of World War II, when it became very popular to listen to foreign radio in order to learn about what was really going on in the world at that time. As you perhaps know, Denmark was occupied and nobody really believed what we heard through the official news media. Also in these years several new radio services were founded (for instance, Radio Canada, VOA, Radio Australia, just to mention a few). After the war the former editor and founder of the WRTH started collecting information from various well-known broadcasters, and at the end of 1946 the first edition of the WRTH became a reality. It was a tiny little book with only 80 pages of big typesetting, and very easy to read. The title was "World Radio Handbook for Listeners". DXing was nearly unknown in those years, and the book was mainly for listeners to the short-wave bands.

Sennitt: Yes, the book has certainly changed a lot since then. Early copies had quite a lot of programming information that has long since had to be deleted for lack of space. I suppose with the recent introduction of program magazines like RIB, the wheel has turned full circle.

SWC: I can still remember getting my first ever copy of the handbook, back in 1975 at a Washington, DC bookstore, running back to the hotel where I was staying, and marveling at its contents. The feeling was electric, and my copy of that edition, 1975, I believe it was, is wore to a frazzle. Why do you think it is that the WRTH generates such excitement each year when it first comes out?

Sennitt: I think there is always the feeling that perhaps there will be something really new and interesting in it, which has escaped the attention of the reader in his own activities. Also, there is the psychological aspect of a 'fresh start' with a clean new copy listing (hopefully) all the things that have been scrawled down by the reader during the preceding year. Further, let's not forget the popular pastime of trying to be the first to spot mistakes and report them. I used to do it...in fact, I still do, but now I always know who to blame for them!

Frost: It seems that the first copy you got was the 1975 edition, which was actually typeset down in Boca Raton, Florida. During my stay there, from October 30th to December 12th, I have never sweated so much in my life as in those seven weeks--partly due to the hot climate, and partly because of pressure of work with a new firm, which had never done such a big job before. But finally the book was available in the U.S. in mid-January.

SWC: Yes, but after learning a bit more I soon became one of those who quickly became upset with the lack of accurate information in the WRTH, especially as regards the tropical stations. While we will be the first to admit that under the present format up-to-date information is hard to come by concerning the tropical stations, we must still take you to task for dragging out perennial warhorses that just have not been on the airwaves for any number of years. Can you explain this?

Sennitt: It is very easy to be critical, and we always welcome constructive criticism. But many of the erroneous listings are there simply because nobody has bothered to inform us that they are no longer valid. One of the most frequent misconceptions about the WRTH is that we have access to much more information than we actually publish. In truth, there are DXers reading this now who probably have just the information we need to complete one of our country sections. Further more, much of the text is compiled in the first instance by experienced DXers, because they have access to latest 'flash' material and are active listeners themselves. Why do so many mistakes arise? First, we do not accept that the percentage error rate is any higher than in a typical issue of Prendx (which we rate very highly, by the way). The reason why our mistakes are more irritating is that we are a commercial operation, and since the book only appears once a year with three updates, it takes longer before we can correct them. I must also say that although we read DX magazines, there are times when the incoming information is greater than we can cope with. Therefore, unless someone takes the trouble to draw our attention to a particular item, it may be overlooked at the busiest times of the year. We always appreciate those bulletins which have a special note against loggings etc. meaning 'not in the WRTH'. It saves a lot of time and makes life easier for us. Finally on this point, we constantly get annoyed at reading comments in bulletins such as "this has been wrong for years, why don't they correct it?" when the person making the comment has never attempted to tell us. We are not mind readers, we don't have a crystal ball, we just have to rely on the help of individual DXers wherever possible, and I must say the vast majority of DXers realize this and give us enormous help.

SWC: I am not sure that I agree with everything you have just said, but you make some strong points. I suggest that our readers take you up on your offer to write and point out an out-of-date station or something else. But, on to another point...The addition of Larry Magne to the WRTH team was a fine one. Whose idea was it anyway? The equipment reviews have turned out to be one of the big selling points of the book in our opinion.

Frost: Yes, I actually met Larry Magne at a local DSWCI meeting here in Copenhagen in 1977 (as far as I remember), and after listening to him during the talks about various receivers and equipment I was in no doubt that he was the man I wanted to do another equipment review. After a few objections to my proposal, he finally agreed to do a review, which appeared in WRTH 78. This review was received very well in all corners of the world, and after Larry's second review (in the 1980 edition) we decided to make his article a yearly feature in the WRTH.

Sennitt: As an added advantage, we are now typesetting the book in Philadelphia, which means that we can see Larry in person and discuss any matters of mutual interest. And those of you who have been to Larry's house will understand how pleasant it is to visit him during our stay in the U.S. (Editor's note: a beautiful old Pennsylvania house which has been restored to modern perfection by Larry and his wife Jane.)

SWC: Speaking of pleasant things, I notice all these claims by others of millions of SW listeners. Time magazine, etc. Your latest edition claims over 60,000 copies. Seems a bit small, even if we cut the claims by others for SW listeners by two thirds. What are you doing to get more subscribers? Also, are there that many more out there, despite the claims?

Sennitt: As far as North America is concerned, Kim Elliott's article in WRTH 82 goes into the question of how many listeners there really are. Personally I don't believe it runs into millions in any one country, but equally I'm sure there must be many people out there actively listening who don't belong to DX clubs, or attend conventions etc. Our WRTH Newsletter for example, has a large percentage of subscribers whose names never appear anywhere in club membership lists etc. These are obviously active listeners otherwise why buy the Newsletter? In other parts of the world, I think there must be a higher percentage listening to shortwave. In the Arab world, to take one example, many people are listening as a matter of course, since as you know most Arab states have built shortwave stations for prestige. Radio Nederland has the world's only Arabic programme specially for the DXers/SW's and receives a phenomenal amount of mail for this programme. But we hardly sell any copies in the countries from which these people are writing. Part of the trouble is that the WRTH is only in English, of course, but our main obstacle is the cost of advertising the WRTH to a market which is widely scattered and not easily reached through any one medium. We do get a lot of help from various SW stations, who will interview us and translate the interview into the appropriate language, but on a non-commercial station we can't exactly advertise as such. Also there are the problems of payment from many countries, delivery charges, customs, finding a good local dealer etc. All these things cause a lot of headaches and prove obstacles to getting the WRTH into places we'd like to.

SWC: For those that do not know could you give us a brief summary of the handbook. For example, how the material is compiled, what is done with it, who publishes it, the time involved, etc?

Sennitt: Work on the new edition starts as soon as the previous one comes off the press. Already in March/April we send out questionnaires to private commercial stations in Latin America, North America, Japan etc. These are the stations that get only a minimum listing in the WRTH. Questionnaires will be in English, Spanish, Portuguese or French as appropriate, and every station listed in the latest edition will receive one. By June the replies are already building up, and the answers are sent in batches to the DXers who compile the various sections--for example, Tor-Henrik Ekblom gets all the Latin American replies--some task! Meanwhile we have been busy compiling the May Newsletter from all the information arriving at the office. In July and August we mail out a paste-up copy of the current entry to all stations and organisations not included in the March/April mailout. It has to be made clear to all stations that we want information that will be current in January of the following year, so that forthcoming changes can be included. Also we request times in GMT, though not all stations (specially in Africa and Asia) understand this. Holidays plus the EDXC/ANARC Conventions soon pass, and it's into the hectic build-up to deadline. A Newsletter is produced at the start of September, covering the S period on SW, while already in September the flow of copy starts going to our typesetters. I help Jens to compile the texts up to around 25th October, then it's time to go over to the USA and start proofreading what has already been set. Meanwhile Jens has to stay behind in the office to complete the scripts, and ring up those stations that have failed to meet our deadline to try and get their info in time. Always someone lets us down. Jens comes over around November 10th, and we complete the proof-reading and make up the 'dummies' of the pages. We then have to inspect the typesetters' version of the 'dummies' to make sure they're OK before they can be sent for printing. The printing ought to be done in December, but as many of you know we were held up this year due to circumstances outside our control. We hope that WRTH 83 will finally be the one that comes out (at least Stateside) in January. Of course, that's just a summary of the main stages--the whole process could fill a complete issue of Prendx. By the way, at some times of the year 60-80 hours a week are spent on WRTH work by both of us. I ought to mention also how the tables are compiled. Copies of all scripts in the country sections are sent to the MW/SW table editors who compile the revised listings. If there is any doubt on their part about what we have included, they will draw it to our attention, so we can try to eradicate the errors. This is a useful check during the period of compilation.

Frost: Let me point out that all questionnaires (and/or paste-up copies) to every station included in the WRTH have to be sent by airmail, which means that the amount spent on postage is very high.

SWC: Last year a number of people took you to task for the price of the handbook. Can you justify the list price? Please do not just site inflation as an example. Can you give us some specifics?

Sennitt: I cannot be as specific as you may wish me to be, as the pricing of the publication is not in my area of responsibility, and I do not have access to the detailed accounting figures on which such decisions are based. In general terms I can say that because of our relatively small print run, the small sales in any given territory (thus making unit costs much higher than for a national mass-sale paperback) plus the enormous costs of worldwide shipping, customs etc., you must expect to pay a higher price. It would not really be fair to keep the cost in the U.S. very low, and increase the price in some of the overseas markets, because we would price ourselves out of reach of our existing private customers. Half the worldwide sales are via our Copenhagen office, and we would be the ones to suffer greatly just to save a few bucks for an affluent American DXer. Which brings me to another point-- while we obviously don't want to charge more than necessary, it is interesting that in the U.S.A., where the cost in real terms is lower than in any other market (try converting \$16.50 to the other currencies you see quoted in overseas DX magazines), we still get the largest proportion of complaints about the 'high price' of the WRTH. Yet the people who complain will often have no qualms about paying upwards of \$1000 on a receiver. It's like buying an expensive automobile and then complaining constantly about the cost of gasoline! When I used the word 'affluent' just now, I was't being sarcastic. You have a recession in the USA, by your previously high standards, but compared with most countries, even in Europe, you're still well off.

Frost: Let me point out that for every personal check we receive from foreign countries, the bank charges an amount of nearly 3.00 for cashing it, and this is the main reason for the higher price than the official selling price in the U.S.

SWC: Andy, how was it that you came on board with the WRTH? You werewith the BBC. Did you find your experiences there as a help or hindrance in dealing with others on the handbook?

Sennitt: I just happened to be lucky when I left university (having just managed to get my degree in Russian and Soviet Studies) when I saw an advertisement for an operational assistant at BBCMS. This is what some call 'professional DXing!' and I believe I could not have done the WRTH job without the training I received at BBCMS. In fact, Jens would probably not have been so keen to take me on without that background. It taught me that there is more to compiling schedules than most DXers realise. How many readers of Frendx have sat four nights in a row, logging every frequency of every Soviet external broadcast in an eight-hour period, often during an ionospheric disturbance? Yet, it's standard practice twice a year at BBCMS. It certainly helped to improve my ability to concentrate, and another thing I learned is not to trust any official information, even from the most illustrious organisations. People who work in press offices rarely know much about listening conditions on shortwave, and often same very strange and contradictory information can arise. Announcers often give the wrong frequencies and times, and everything should be checked before it's published. Unfortunately it's not always possible to do that with the WRTH due to staff shortage and deadline problems. But we're alert to the possibilities of error. You ask how I came into this job. Well, Jens put a small notice in the DSWCI Shortwave News, and Gordon Darling pointed it out to me. I wrote to Jens, expecting to be one of many applicants, but apparently only a few people actually did write, and my BBCMS background (four years by thattime) tipped the balance in favour of me. I was taken on a trial contract to see how things worked out, and I'm pleased to say we get along very well and work as a team. The other WRTH co-editors have accepted me warmly, and I try to avoid being a 'know-all' since people like Torre Ekblom have been on the team much longer than me, so I can learn a lot from people with his experience.

SWC: What was the reason for jumping back to the States this year for publication?

Sennitt: The move to the States for production was taken by our company, Billboard, as they were reorganising internally, and it was felt better to produce the book in a location where management/production could be best co-ordinated. Also, there was a cost-saving element, as many publishers are finding the UK and some European countries too expensive to continue printing there. There were, as you may remember, some production problems with the last issues that we did in England, so the old arrangements just weren't satisfactory.

SWC: I have always found it somewhat perplexing to explain the hobby to friends and others. They never seem to understand fully what it is that I am doing. Have you two experienced the same thing with publishers and printers?

Sennitt: Yes, there is a constant confusion between DXing and SWling on the BC bands, and amateur radio. In Britain the problem is not quite so bad

nowadays, as the BBCMS had a lot of publicity in the recent Polish crisis, and more people are aware what can be heard apart from domestic programs. But for our purposes, we don't care whether or not the printers understand what they're printing as long as they do it properly. From a publishing point of view, we now have a General Manager in the New York office to make sure that there are no unfortunate misunderstandings by over eager copywriters. We normally supply basic promotion information from our office so that the various radio terms, that are so often misused, are used in the correct context in our publicity.

SWC: How about future plans? Any major changes in store for the book?
Sennitt: For WRTH 83, I don't think there will be many drastic changes. But we are currently engaged in long-term planning for the second half of the 1980's and beyond, which might involve computerisation, a separate TV book and an expansion for some of the existing features. I stress that nothing has been decided, but all users of the WRTH are invited to write to us with their own views on how they think the Handbook should develop. We get a lot of input from DXers, often, contradictory, about the relative merits of various sections of the book. The questionnaires in WRTH 81 also brought a good response, though in my personal view there was too much praise and not enough positive criticism. We are very much aware that a lot can be done to improve the WRTH further, and that's what we're in business to do.

SWC: Anything either of you want to discuss that has not already been said?
Sennitt: I would just like to appeal to all NASWA members, and others reading this, to write to us with ideas, corrections, etc. instead of moaning about something in the pages of a bulletin where we might not notice it. We do read every letter, even if there are times when we cannot reply personally. The WRTH will only be as good as the information supplied, and if in doubt about whether something will be of interest to us, please send it anyway--it might just be the thing we need! When I took this job, I pledged myself to work with the DX clubs. NASWA has in its membership most of North America's top DXers, and we need you; I hope that you in turn feel that you need the WRTH!

SWC: Well put!!! Thanks so much for your time and we wish you continued success with the book.

(Editor's afterword: If anything, this interview has convinced me that so few of us really appreciate the work and sincerity that go into the making of each year's WRTH. The bottom line is that Frost and Sennitt do one fine job when you consider the task. I encourage all of you to support the handbook, not only in your purchase of it, but also by sending your notes to the editors regarding loggings and suggestions for improvement. They will deeply appreciate the note that points out something wrong; as the note that simply says thank you! jm)

MUSICAL FORUM

In response to last month's listing of the latest records being played here, Chris Leithner notes that he has "very definite tastes in music, and they run to acts like AC/DC (especially the Powerage and Highway to Hell LPs), Judas Priest (Rocka Rolla, British Steel), Loverboy and Mahogany Rush. The Police are good....but I'm bored with most other stuff that gets airplay these days." Not bad Chris, I like AC/DC as well, especially the "Dirty Deeds" album.

Not to be outdone, Bill Taylor, our erstwhile VV editor, chimes in with Moby Grape, Janis Joplin's Pearl, Retrospective by the Buffalo Springfield, the Beatles Sgt. Pepper and Magical Mystery Tour, High Tide and Green Grass by the Stones, Contry Joe and the Fish, the Allman Brothers and Frank Zappa and the Mothers of Invention. A real sixties complex!!! But he says he also is partial to Led Zep, the New Riders, the Greatful Dead, Little Feat, and Charlie Daniels! Well, I agree! I am currently going through a reworking of the Dave Clark Five's "Greatest Hits".

How about the rest of you out there? Let me hear from you regarding what you like in music. It need not be rock. Indeed, we would enjoy hearing from the jazz, classical, and folk purists out there.

On a final note, what did you think of the Stones tour of 1981? It certainly fired me up! A healthy Keith Richards proved to be just what the Stones needed. As long as we are on the high points of rock in 1981 we might as well note that Stevie Nicks captured our hearts and imaginations with Bella Donna, J. Geils came back like a storm with Freeze Frame, and one of my all-time favorites, Ray Davies, bounced back with the "Destroyer" along with the rest of the Kinks! So, with apologies to Getty, "Take off, to the Great White North!" "Take off, its a beauty way to go." Catch all you hose-heads in next month's edition of rock forum right here in the pages of Shortwave Center!

TECHNICAL TOPICS

ED C. SHAW

604 GREEN RIDGE COURT, LEXINGTON, KY 40503



Here it is April already and I'm not even finished with figuring my tax. I wonder if you can deduct the cost of a new receiver on the grounds of being a necessity for therapy? Only a few letters and cards from members this month, but enough for sharing.

Wayne Thomas of Orlando asks if we might review the old Hallicrafters SX-110 receiver. It has been quite a number of years since I saw one of these fine instruments, but in order to at least provide some basic observations and guidance I located a fair condition SX-110 in possession of a Lexington ham. The SX-110 is a late 50's production, general coverage receiver (AM-30 MHz).



It is very similar to the S-108, SX-130 and SX-133 series receivers in both features and performance. The left main tuning knob and left window cover the shortwave spectrum in 4 bands. The right knob and slide rule dial are bandspread readouts for the amateur frequencies. There is a logging scale to facilitate use of graph paper scales for SWBC use.

The SX-110 shows eight tubes in the schematic. I suspect at least two of those are duals. It is only a single conversion circuit, but it employs two i.f. cans (455 KHz). I noted images from 31 meters down in the vicinity of 8.7 MHz. The S-meter was a vertical scale type, and it read much too generously for my guesimates. It could have been out of calibration. Sensitivity was adequate. Original specs called for 1 microvolt on AM. I was pleasantly reminded of the days of tube receivers and few RF overload problems. Audio response was clean except for stronger signals which produced an exaggerated 120 Hz hum, indicating a possible capacitor problem in one or more locations of this particular receiver. Selectivity options by crystal lattice filter are a dream compared to the ceramic pieces employed by most Japanese receivers today. Bandwidths were approximately .5, 3, and 5 KHz at the 6 dB level. In my opinion, the .5 option is very useful in DXing since the bandpass skirt shape widens appreciably with the strength of the signal. SSB was detected via a BFO and pitch control. Stability was the one feature suffering most, but I attribute this to lack of sufficient warm-up time and old capacitors which might be leaky. Anyway, I was never able to achieve a steady-state BFO tone for more than a few seconds. A rudimentary noise limiter clips high frequency crackle, but also attacks the "S" sounds of human voice - perhaps an impediment for low-level DXing. The SX-110 sold for about \$160 new and should be found only infrequently at ham sales. There were not that many manufactured. \$100 should buy a clean one in good working order. Tubes are still very much available, and its a vast improvement over Radio Shack machines, especially if you add an outboard digital readout. The SX-110 measured about 18" wide and 9" tall in heavy steel.

TECH-TIP for March: Headphone Tone

Sometimes a receiver has no tone control. If you desire a crisper, higher tone in your phones, try this: Install an inexpensive ceramic or mylar capacitor in series with one wire of your headphones. Try different values like .0001, .001, .01, or .1 uF. One of these ought to do it.



WANTED: For technical library, all possible schematics and technical manuals for newer (or older) DX/SWL receivers. You ed. will xerox copy and return original to you unharmed. Perhaps some of you will even donate. To avoid duplication, please drop a card specifying what you have to offer. Please help. Thanx, and 73 til next month. Ed Shaw



VINTAGE VIGNETTES



WDX3UPA Bill Taylor, Box 132, Unionville, PA 19375

The following article by Syd Osterman arrived in my mailbox soon after the January issue came out. It was originally published in the April 1980 issue of gh's RIB. Thank, Syd. Sometimes, as an editor, you assume certain things of your audience. As my great grand-daddy used to say, tho; "When you assume... you make an ass of 'u' and 'me'."

VINTAGE RECEIVERS CAN SHOCK YOU ! by Syd Osterman

After reading the article by Steve Rimmer, in the 1980 WRTH, I confess to both puzzlement and annoyance. Admittedly Mr. Rimmer has put together a readable article replete with homespun philosophy and generalized technical information. But for whom is it intended? Surely not for the experienced technician, capable of interpreting the information in the Service Manual. My annoyance stems from the conclusion that Mr. Rimmer has aimed his article at the "impoverished short wave listener"; without one word of caution! Not one word regarding the potential shock hazard of perhaps 400 well regulated volts from the power supply (was included)!

Mr. Rimmer takes the liberty of assuming; (there's that dangd term again, Ed.) that his readers will actually know what they are doing! In fact, they may well sign their own death warrant. I seriously question the judgement of the Editor of the WRTH in publishing this article without definite caution regarding the hazard involved. Mr. Rimmer does not even bother to mention the danger of working on AC-DC (or "hot") chassis receivers. In addition, even if our tyro technician survives, he will probably require the services of an experienced technician to correct the damage he unwittingly causes.

I also question, amongst other things, Mr. Rimmer's judgement regarding the use of a tube checker. He says, "resist the temptation". My thirty years of electronic equipment experience tells me the opposite! Always commence an overhaul by checking all the tubes, one by one, returning each to the identical socket from which it came. Replacement is a matter of judgement; as regards the tube function and an interpretation of the checker readings. It would be pointless, for example, to align RF-IF stages containing tubes showing gain below the questionable area; or with element shorts.

Would-be followers of Mr. Rimmer's example should ask themselves if they have enough electronic knowledge to relate their receiver to the circuit diagrams (in the) Service Manual; plus, the ability to use and understand the readings of the required test equipment. Meanwhile, remaining unshocked and alive! If you have any doubts, KEEP YOUR FINGERS OUT! Take the receiver to a reliable service shop, or consult a knowledgeable ham or electronic technician. Make sure that you stay around to enjoy DXing with your vintage SW receiver.

Before I go on to do a short piece on how, why and where you get the "buzz", I'd like to make a few comments. Mr. Rimmer's comments on not using a tube tester were, perhaps, poorly expressed. His essence is that often times a tune-up includes barely more than a cursory test of the tubes; blow out the dust; jimmy the oscillator coils a bit; and clean it with Endust. He specifically refers his article to general coverage sets ("Hallcrafters and Collins"), although the procedures would apply to almost any AM/SSB superhet. Many minor problems creep into a 40 year old set that, if left untouched, would relegate a DX set to SWL use only. The major thrust of the article is as a trouble-shooters manual for novice techs and experimenters. One final

point I'd like to express. I am an impoverished shortwave listener and DXer. Not being able to raise two kids, support a wife, pay my taxes, and keep up with a mortgage at 18% (!!!); how in the name of God (sorry Family Radio) am I to be able to float out \$700 to \$1500?! Lose the wife and kids? Tell the IRS to "chew the balloons"? Tell the bankers that I'll catch up with them in a year or two? My SX-28 just got me a QRP award for 29kw; and I haven't had a chance to seriously DX in over a year and a half. It's over 40 years old, and I souped it up myself. Seriously, though, if you plan to work on a set, be sure to get the knowledge down pat before you begin. There are many good books available to teach you the basics of electronics and radio. Try TAB Books and Howard Sams first. Thanx, again, Syd. We don't want any HAP supporters becoming HAP benefactors from working their own rigs.

* * * * *

ELECTRICAL SAFETY OR THE ELECTRIC CHAIR : AND HOW IT WORKS

With respects to "The Electron", the journal of the Cleveland Institute of Electronics, from which most of the following figures were taken; the following article will attempt to acquaint you with the functioning of electrical shock. (Hope I'm not treading too harshly on your turf, Edward.)

Electrical shocks are produced by current, not voltage. The voltage is a measure of electrical "pressure" or "force". The current represents the "quantity" of electrons that are flowing through a circuit at a certain time. Your body is a large variable resistor that may become inserted between two hot points, or between a current and ground. Either circumstance is to be avoided like the plague.

Generally speaking, at voltages below 200 VDC (or low frequency AC), your body is much like a resistor. As long as your skin is dry, you represent a resistance of about 250,000 ohms. By Ohm's Law, then, 200 VDC applied to your 250K resistance would mean about 0.8 ma of current just tingled your body. However, had you been sweating rather well, your R might be only 500 ohms. Thus; with $I = V/R$; you just passed 400 ma of current. 100 milliamps can kill. What is the secret? Did the current bridge from your index finger to your wrist; or, did it go from one hand, through your chest, to the other hand or foot? The former is an aching hand and a wiser man. The latter could be an asphyxiated or fibrillated technician. At voltages above 200 volts, the electrical pressure can puncture the skin immediately and leave you a severe burn.

10 A.	Tissue burns	2A
5 A.	Heart fibrillat'n	50ma
1 A.	Chest restriction	18ma
.1 A.	Let go curr.	10ma
.01A.	Painful shock	10ma
.001	Sensation	1ma

The chart at left demonstrates the approximate thresholds at which certain effects begin to occur. The "Let go current" is especially important. This current level freezes the person to the shock and removes from him the ability to voluntarily let go.

One of the most basic rules in electronics is to work inside a live radio (or

other piece of gear) with one hand only. In this manner, you still have a portion of your body under control to pull yourself away. This brings up yet another source of injury. Shock reaction can conceivably hurt you more than the original shock. In pulling away from the chassis, you are subject to falls; pulling the hot soldering iron down on your lap (explain that to your wife or husband); etc. One last danger of using your body as a circuit component would, of course, be that of fire. The current not only heats you up; it can also be led through you to places where it will burn insulation and components. PLEASE BE CAREFUL.

The following are some safety tips. Use them. An isolation transformer between the wall and your set will protect you from becoming a part of the ground system of the power grid. (See Fig. 1.) This system will keep you from bridging between two separate pieces of equipment, or between the equipment and a wet floor, etc.

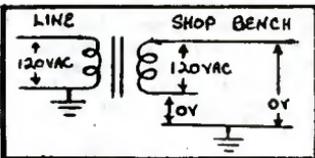


Figure 1

73's *Bill*

Beware of capacitors. They store electrical energy. Electrolytic capacitors are the biggest offenders, although the smaller caps can give you a jolt. The big metal can, and paper roll, caps that store say 10uf/400v. really hurt you. Always short them out before you start work. The cap mentioned above can store up to .004 coulomb (amp/sec). That amount of electrons, when released, would produce almost a joule (watts/sec) of energy. Don't burn your jewels with a joule. Short the caps with a 100 ohm resistor, instead.

IT SOUNDS TO ME!

BY ALVIN V. SIZER, 22 COUNTRY WAY, NORTH HAVEN, CT 06473

A POTPOURRI OF NOT SO RANDOM THOUGHTS---

The trade-off of programming time between WYFR, Your Family Radio, in the U.S.A. and the Voice of Free China, Taipei, has attracted surprisingly little reaction in either the press or from the U.S. government. Even if it is only an experiment, I am somewhat concerned if no one else is.

The exchange allows religiously-oriented WYFR to reach mainland China with its programs but also permits the Voice of Free China to reach mainland U.S.A. with satellite-fed news and propaganda, all with an excellent signal.

Perhaps you don't object to Taiwan propaganda. What if Moscow were to make a similar arrangement? Or what used to be known as Red China? Or Libya?

Farfetched? The precedent has been established. Nothing illegal is being done, they say, although WYFR's tax-exempt status could be questioned.

Isn't anybody worried?

The 1982 World Radio and TV Handbook is out and while I don't like to cast myself in the role of constant critic, someone has to speak up for SWLs and DXers.

The biggest trend in shortwave last year, I felt, was the impact of the increasing number of clandestine and pirate programs on the world scene. You'd never know it by WRTH.

WRTH doesn't want to jeopardize its relations with the broadcasting establishment of the world by publishing news of "illegal" activities. That may make sense to them but does not to the thousands of listeners who expect this directory to describe what is going on in the SW spectrum.

This year's WRTH is well produced and has many fine features, especially Larry Magne's analysis of premier receivers. It's satisfying to see two FRENEX articles by Jerry Berg and Mike Nikolich appear in WRTH. But I still don't think Tristan is planning a one kilowatt transmitter.

The return of Ed Shaw to the editorial fold of FRENEX is a cause for rejoicing. First because Ed is one of the nicest and most capable guys in the hobby, the first to befriend me when I was a beginner. Welcome back, Ed! We'll all benefit from your return.

Secondly, SWC Editor John Moritz by patching up his tiff with Ed and paving the way for his return has given FRENEX a real shot in the arm and set an example for all of us. Hobby spats and arguments should never be allowed to get out of hand.

It isn't as if we were the most plentiful group in the world. We need to hang on to everyone we've got!

I heard WRNO Worldwide on its second day of testing, Jan.22 and whipped off a reception report to the address they gave on the air, only to have the U.S. Post Office whipe it back to my as undeliverable.

Apparently only the world knew about WRNO, not the New Orleans P.O. Now they're giving P.O.Box 100 as their address and I've tried again.

Incidentally, I found it ironic that WRNO comes on with Dixieland renditions of South Rampart Street Parade and Way Down Yonder in New Orleans, bills its city as the home of jazz and then goes into an all-rock music format.

But don't mind me. My musical development never got beyond Eddie Condon, Will Bill Davidson and Kid Ory.

Congratulations to Glenn Hauser who will have a half-hour shortwave radio show on WRNO, a real first for U.S. SW. Don't know where Glenn gets the energy for all he does in the hobby but we'll be listening with eager ears.

Does anyone dig Spanish enough to tell us what they are saying on those anti-Castro clandestines. I, for one, would like to know. And I'd like to hear from anyone to address at top of column for your shortwave comments.

This is The Way It Sounds To Them! (Two long letters from opposite sides of U.S. They get equal treatment.)

FROM ROBERT FRASER, Cohasset, Mass.

"I agree with Larry Vipond over the waste of space in the continuing SWL/DXing argument. There is no solution. Listening is what we make it.

"Also, I agree with asking radio manufacturers to make what we want. It seems to me that if the new electronic progress is what it is supposed to be--why are the new radios not as good as they used to be and why are they still large and bulky? I believe manufacturers are still pulling their planned obsolescence trick on us. They bring out a new and wonderful rig we all drive over but a year or 18 months later the same set is issued 'improved'. Dealers seem to be making quite a piece of change installing elements to make sets more selective, which they should have been in the first place.

"Also, the new radios seem to have one part of their coverage very poor in sensitivity. They should be just as sensitive the whole way through. This is where I'd like to see the money spent, not on fancy chrome and additional unnecessary gadgets.

"Not to be against Radio West or Gilfers, but it seems to me they have better things to do than correct manufacturers' mistakes.

"On QSLs. Just recently a friend, Ron Phillips in Australia, told me Radio Australia has definitely given up their QSL policy. Remember a few years back when the BBC (or was it another?) was faced with a massive cut-back in their services and appealed to listeners to write the government? If the stations kept up a QSL policy, even one card a year, they would be able to prove to their governments that, indeed, there are people out there listening and responding.

"Like anything else, SW seems to be going to pot. It is about the only pleasure I have in life. I wonder how long it will be before the Moral Majority deems listening to communist countries an act of treason. I am not being funny, the way things are going scares me."

Bob remarks that he sends reports to Radio Turkey but rarely are they answered. He wonders whether it would be worth sending reports to stations via their ambassadors in the U.S. It has been done successfully, Bob, but the problem everywhere nowadays is the cost of correspondence.

FROM DAVID NEWKIRK, Seattle, Wash.

(Editor's note: Thanks, David, for calling my attention to an error of mine. It is not the ARBs who are "interfering" on 3277 kHz; it's MARS, the Military Affiliate Radio System. David's letter, shortened, has to do with my column about utilities in the 90 m.b. and and his running argument in FRENDX with those who criticize their presence.)

"February's 'It Sounds to Me' is the style of writing and editorial hobby-radio journalism I often search vainly for in FRENDX and other hobby publications. (David then criticizes what he thought were self-centered and unconstructive views on the proliferation of nonbroadcasting-nonamateur signals in some of the shared SWBC bands.)

"Your writing on 90 meters suffers from none of these faults, it seems to me. What I tried to communicate in my short (and somewhat gabled in retyping for FRENDX) piece was a way of enjoying--and, in my case, loving, not too strong a word, I think--radio through dealing with its conditions as they are, whatever they are, and squeezing as much enjoyment as possible out of it. Your writing conveys to me the same finely-honed appreciation of radio to me in a way I continue to hope will become more common in the pages of FRENDX.

"Yes, shared bands in particular are becoming more and more difficult for all parties are concerned. I am an active radio amateur (AK7M) in addition to being an avid SWL/DXer. I have QRM to contend with on 41 meters, for example, no matter why I am there! But I cannot complain because I understand the condition under which the sharing proceeds. Frustration can have other outlets than indignation; it may lead to careful research of a situation to understand its causes. My particular view of radio is rather vast. My way of dealing with QRM I can't get around or conditions I cannot hear or transmit through amounts to the phrase, 'If it came from a radio, count me interested.

"And so while I agree that conditions in shared bands are worsening for listeners wishing to continue to hear what they always heard, we can all point to gains in enjoyability in other parts of the spectrum. (He cites Antarctica on 15476 and Iceland on 13797 as examples.) I don't think we can stress constructive means of enjoying radio too strongly in these days of violent polarization and divisiveness."

Editor's Note Have to say "amen" to that punchline, David.

That's it for April and let's hear from the rest of you out there!

SPECIAL *feature*

JOHN DOE VIEWS THE VOA: DON'T PULL THE PUNCHES

by Dan Robinson

What do Americans want their country's international broadcasting voice to say to the rest of the world? This is the question that lies at the heart of the debate over the purposes of VOA and how it goes about its job. The question remains without an answer, and probably will for a long time, largely because Americans know so little about the role of VOA as an important part of the network of international communication. Do we want VOA to adopt the sharper tone that has been suggested, to counter Soviet disinformation (which shortwave listeners know all too well by listening to Radio Moscow)? Are we to take off the kid gloves in the war of information and, so to speak, call a spade a spade? Should the Voice of America have the capacity to do that job while at the same time maintain its integrity as an accurate and objective disseminator of news about the United States -- AND the world we live in?

Here's another question: Is that sharper tone really necessary? There are many who will say that we have lost the war of words to the voices of totalitarian systems, that because of what they perceive to be a failure of our government broadcasting service to take a hard line towards "Communist propaganda and lies," we have allowed the tide to turn against us in the Third World. Many people in the developing countries, these critics say, don't have the benefit of higher (or even low-level) education, and therefore "don't have the critical ability to know the difference between truth and untruth." Or, as some others have put it, we in the West tend to shout "mea culpa" in almost every situation, perhaps reporting events as they happen, but adding just too much of their side -- or too much of the negative from our side. Is the truth so important so as to permit Radio Moscow and its bloc allies to win over the minds of, let's say, our allies in Western Europe on the issue of nuclear arms control. . . or African listeners on the issue of super-power intervention in their continent. . . or listeners in Afghanistan on the issue of, well, Moscow's (claimed) intervention on the side of "pro-socialist" forces?

My answer to that last question would be: Yes. . . truth is important, no -- it's absolutely crucial in the world of international broadcasting. There are, of course, different definitions of truth. Pressed into service in the interests of national expediency -- whether it be in foreign or domestic policy -- news can be as far away from, or as close to the real definition of truth as you can get. In too many countries, it's usually the former. On the other side, however, I believe it's also important to point out the instances when, shall we say, "the other side" is grossly distorting the (there's the word again) TRUTH. Of course, in doing so you are already labelling as "illegitimate" the other side's account. Witness, for example, the following excerpt from a Radio Moscow broadcast in Persian to Iran, dated just after the Soviet invasion/intervention in Afghanistan. The announcer answers a question from an Iranian listener who asks: "Is Western propaganda stating that Soviet troops have moved onto Afghan soil true?" The Radio Moscow reply is as follows:

DEAR MR. QADAMI, NO, IT IS FALSE. WESTERN PROPAGANDA STATING THAT SOVIET ARMED FORCES HAVE BEEN STATIONED ON AFGHAN SOIL IS A COMPLETE LIE THAT HAS BEEN INVENTED PRIMARILY TO MISLEAD PUBLIC OPINION, TO SLANDEROUSLY ACCUSE SOVIET FOREIGN POLICY AND TO HARM THE PEOPLE OF AFGHANISTAN, WHO, LIKE THE IRANIAN PEOPLE, HAD ACCOMPLISHED THEIR REVOLUTION AND OVERTHREW THE DESPOTIC MONARCHICAL REGIME. THE ENTIRE WORLD KNOWS THAT SOVIET POLICY IS BASED ON COMPLETE EQUALITY AND ON RESPECT FOR OTHER STATES' SOVEREIGNTY, TERRITORIAL INTEGRITY AND NONINTERFERENCE IN THEIR INTERNAL AFFAIRS. THIS POLICY IS STEADFAST AND FULLY APPLIES TO IRAN AS WELL AS AFGHANISTAN.

What is truth in international broadcasting? What country do you belong to? As shortwave listeners, and I think I can probably speak for a majority of those involved in this hobby, we know almost immediately when we're hearing a twisted story on the radio. I would maintain that most people are able to make critical judgments as to the plausibility of the news they hear. In other words, I don't think a lack of education or exposure to mass media necessarily means someone is vulnerable to the hard sell -- not even that listener in Iran who, by this time, must be reconsidering the Soviet line on Afghanistan. Relating all this, again, to the VOA I quote from comments by a senior VOA editor:

When the VOA went on the air 40 years ago, it pledged to tell the truth. In doing so, the founders were acknowledging a fundamental fact -- that VOA will always live or die by its credibility. Our listeners count on our broadcasting the truth. When they can no longer believe what they hear, they will stop listening and then it will not matter what our purpose is, for we will be accomplishing nothing. . . . Behind the pledge lay the basic belief that the United States need not hide or distort truth -- a belief that U.S. policies would be supported by the facts because they were good and correct policies -- and a belief that, in the long run, our best interest would be served by the truth. . . . I've always been fond of comparing VOA to the U.S. foreign aid program, in the belief that our principal purpose should be a humanitarian one, in which the political benefits accrue indirectly. The U.S. provides free food to nourish hungry bodies. It should also provide free information to nourish hungry minds. And just as there should be no political conditions attached to the food, there should be no political conditions attached to the information. Tainted news would be as poisonous as tainted food.

Well, I would hope that other international broadcasters -- in fact, any media organizations -- adopt this philosophy as their own. Of course, we have done enough to injure our cause, and the belief we hope to nurture that our policies are "good and correct" has suffered greatly. That doesn't mean it should not remain as our primary goal.

How does John Doe view the VOA? Read some of these brief extracts from a Washington, D.C. radio talk-show, aired in November of last year. The caller is in lower-case, announcer in all caps:

-- They're ready to shout mea culpa over everything, whether we should or not. (SUCH AS WHAT?) Such as the riots in the U.S. during the 1960s, the student revolts over the Vietnam War. That was highly covered, too much covered. (TOO MUCH?) Yes, it would certainly encourage much of the rest of the world, the communist world, to think we were not determined in our effort to win the Vietnam War. (BUT WE WEREN'T) The leadership was, the students were not...they didn't want to go.

-- Why shouldn't (VOA) refer to Afghan guerrillas as freedom fighters? Weren't the Hungarian students in 1956 facing tanks, planes, and the full onslaught of the Soviet army? Weren't they freedom fighters? (IF YOU'RE TRYING TO BE A NEWS SOURCE, I FAIL TO SEE THAT IT WILL BE TO YOUR ADVANTAGE TO PICK WHICH ONE A PERSON IS. A GUERRILLAS CAN BE A GUERRILLA FOR OR AGAINST YOUR POSITION. BUT FREEDOM FIGHTER... YOU HAVE ADDED A PATINA OF GLORY WHETHER OR NOT THEY DESERVE IT...IF YOU WANT TO BE PROPAGANDISTIC YOU MAKE UP YOUR MIND ANYBODY FIGHTING THE SOVIETS IS A FREEDOM FIGHTER. EVEN IF THEY'RE FIGHTING TO SET UP A FASCIST DICTATORSHIP) The Afghans are freedom fighters because they're fighting our main enemy in this world. (ARE THEY, FROM THE PERSPECTIVE OF COUNTRIES HEARING THESE BROADCASTS, FREEDOM FIGHTERS?) I think we should put forth the case that they are. (WHY, WHAT WOULD WE GAIN?) We would be showing there are people in this world willing to stand up to Soviet oppression, and I think we should clearly label it as such....I do not believe that so-called propaganda is "untruth." We have to make it clear to the world what the nature of the Soviet system is, and any group fighting it would be a freedom-fighting organization. (I GUESS MY POINT IS THAT, TO THE WORLD, AS OPPOSED TO OUR PERSPECTIVE, IF YOU TELL THEM THE TRUTH, THE OBJECTIVE TRUTH, ABOUT THE SOVIETS, THAT SHOULD BE PROPAGANDA ENOUGH.)

-- I think you're kidding yourself. I would like to believe that people really make political decisions on the basis of weighing all the merits and we know they don't. You know it and I know it. Whether short or long-term goals, one has to simplify and induce a certain amount of distortion in order to be effective. (WELL, I JUST DON'T THINK A RADIO STATION WORKS THAT WAY. I DON'T THINK YOU CAN ESTABLISH A RADIO STATION THAT IS BUILT ON SHORT-TERM SPLASHY ADVERTISING IN WHICH YOU BUY

YOUR AUDIENCE WITH RED, WHITE AND BLUE SYMBOLS. THE WAY YOU KEEP A RADIO STATION ON THE AIR IS CONSISTENTLY BEING CONSISTENT. YOU TELL THE TRUTH. AND WE ARE TALKING ABOUT THE VOICE OF AMERICA, WHICH DEPENDS ON LISTENERS. I COULD COME OUT HERE, OR ANY MANAGER COULD COME ON THIS STATION AND TURN IT INTO A BRANCH OF NICPAC AND WE WOULD PROBABLY BE SUCCESSFUL. WE WOULD GET ALL THE CONSERVATIVES LISTENING....UNTIL THE CONSERVATIVES STARTED TO OVERSTATE THEIR CASE AND PEOPLE GOT BORED AND THAN WHAT WOULD WE DO??? WELL, OF COURSE WHAT ANY GOOD RADIO STATION DOES....TURN IT INTO A ROCKER!!!

-- I want to point out that we have other means for propaganda, like RFE/RL and RAIA in Berlin. We can set up an ad hoc broadcast for any situation, and they can direct our efforts toward a situation and handle it expeditiously without involving the worldwide operation of VOA. There are other sources of news, including those of the British allies, western countries, and the Russians have many sources. If we start presenting half-truths, any communist-dominated country or people would quickly know we are not telling the truth. We are not the only people on the air, not the only free people broadcasting.

-- A lot of sanitization goes on (at VOA). I think we should be as objective as possible, but we should take the kid gloves off and be a little bit hard with what is really happening. The world is much better off for that than saying "we don't want to offend anybody." That's what the VOA has been saying. If we're suppose to give the truth than let's do it and not play around it.

THE STORY CONTINUES: A SENSE OF DIRECTION???

Those were just some of the views expressed by people in the Washington, D.C. area. It's obvious that, because of their proximity to the nation's capital, they were much more in tune with what the VOA is -- much more (I think it's safe to say) than someone living in the middle of Oklahoma.

The latest chapters in the VOA controversy unfolded just in the past few weeks. Philip Nicolaides, the conservative Houston radio commentator and writer who was first appointed as VOA coordinator for Commentary and News Analysis, has now been removed from the U.S. International Communication Agency -- VOA's parent body. It was the surfacing of Mr. Nicolaides memo (which, you recall, advocated that VOA should recognize its status as a propaganda agency, and among other things, "portray the Soviet Union as the last great predatory empire on earth") that sparked the controversy. It was VOA Director James Conkling who defended the Nicolaides appointment. He received criticism for doing that, and later was criticized for easing Mr. Nicolaides out of the VOA.

In a move that surprise all but a few VOA employees, Mr. Conkling himself resigned on March 22. In a farewell message to the VOA staff, he cited frustrations with the workings of government bureaucracy for his decision to leave. In his words: " I realized I have spent too many years in the private sector to be able to understand the quite different ways of government workings. There are many wonderful things about the way government activities work. But I am not used to making things function this way. I can't break things through fast enough. I find it very difficult to work without having incentives to give people who are working their heads off, like you people are." His successor is John Hughes, who worked for the Christian Science Monitor as a correspondent and editor for 25 years, and in 1967 won the Pulitzer Prize for international reporting for his coverage of political upheaval in Indonesia. He told United Press International the day his appointment was announced by the White House that he is absolutely committed to keeping VOA news objective. His appointment, as with all VOA directors, is subject to confirmation by Congress.

So, another VOA director is set to take up the reins of this country's international broadcasting service. But there is an obvious question to be asked here, and it is this: Is there a sense of direction at the Voice of America? I can't help but think that it's a bit unhealthy for such an organization to experience the ups and downs in leadership that have taken place. Certainly, VOA is a great institution, with a long list of fine people having been associated with it. Progress has been made, broadcasts go on the air from day to day, languages are added.....life goes on. But I think many shortwave listeners would agree that the VOA director's position should not be a political soccer ball.

ORF on 17745 5/3 but only an unID Chinese stn at 0400 [sic]. Listened to ORF 6/3 0430 w/ J hvy jammer QRM but nothing thereafter. 9770 useless w/VOA co-channel, but since I live in the east I am not allowed to complain, right? (Brian Prokop, Tiffin OH) 0830 EG on 6155, 15165, 15410, 21640; 0900 incl ASPW Suns on 6155 7170 9770 21610. 1800 GM incl EG ASPW Sun 1806 on 6155 15430 15560 21730--try the last one if 15560 no good... M82 sked also announced that ORF has adopted UTC terminology instead of GMT, effective 1/1/82 (via K W Krist)

BELGIUM BRT revised sked effective 28/3 to 1/5, EG: Mon-Fri 1400 extended to 1445, 21810 & E 21525; retimed 1815-1900 becomes daily, 21810 & 9790; repeat at 2100-2145 is Mon-Sat only, on 17600 & 6010; last two also on MW 1512. Ams 0030-0115 remains on 11695 NAM, 15360 SAM (via Kraig W Krist & Robert Yowell) unID stn in DT on 7335 behind CHU, 2150-2246* 14/3 (Paul Buer, Miami) BRT eves ES to Eu/Af now on 15570 7335 ex-15285 6000; BRT has dropped PT, expanded SP & DT to fill time (WBI 25/2) 7335 remained sked only thru 27/3. If Paul hadn't been listening to 7335 on a Sunday, he would have hrd it in EG to 2245 (gh)

BHUTAN Thimpu noted regularly now Wed/Fri, fq variable: 22/1 on 4605.5, 27/1 & 3/2 on 4609, E 5/2 on 4597.5; best bet is to look out for it \pm 10 from 4600. Beware of Indo on 4610. Nx is between 1345 & 1350, the last item is wx; stn address given at 1359; OM/YL anc format. Will editors making use of our material refrain from giving background info as above, so that false reports will not result! This doesn't apply to two news letters which have restricted circulation among serious & experienced DXers (Victor Goonetilleke, Sri Lanka, UA-DX) Them's fightin' words, Victor. I will not bestow greater morality upon elitists than upon the FRENEX readership in general; anyone who would send false report only hurts himself; and stn would have no business QSLing on such vague details anyway (gh)

BOLIVIA [Cf top of penultimate LN page here from Mar] Note re mineworks rejecting govt proposal to reopen miners' radio stns should be deleted as that report had in fact preceded by some 24h the anmt of final agreement on reopening. 16/2 Panam net quoted Transport & Comms Minister that reopening of radio stns belonging to factories, railways, consultants and other sectors'd be carefully analyzed by the Armed Forces Govt. This statement was made at end of signing ceremony for agreement authorizing opn of mining sector stns. AFP reported from La Paz 20/2 that R Fides, run by Jesuits but destroyed 7/80 coup, would resume bc on 24/2; its re-opening had been negotiated by the Apostolic Nuncio (WBI 25/2) R Fidés [sic] back on the air, 6155 (Jonathan Marks, RNMN 18/3 quoting Tony Jones, Paraguay) R Nacional Cochabamba finally on 5974 17/2, 1016-1035, G, deep fades, het; campo & piano mx w/ads for banco & San Pedro (cigars?), on half hr had M&W ancrs, into mx (Bill Whitacre, TX)

BOTSWANA R Botswana, 4845, "Bow Bells" IS 0355 have been quite regular, 11/2 to 28/2, power house sigs, no ute QRM on 14/2 (William J Martin, Wilmington DE)

BRAZIL [Cf 3rd from last page] R Tupi, São Paulo, on 15055 1045 4/2, religious pgm "A Voz da Libertação" in PT, new fq ex-15155? (Emilio Pedro Povrzenic, IA-DX) R Tupi, Rio hrd on H 24460 at 0332 3/2, 4 x 6115, charla & samba, 25422 (Dante J Bedendo, IA-DX) There are plans P to change one of R Nacional Amazônia's fqs (11780 or 15445) to 49m (Roberto Levinstein, RN Mundo das Comunicações, 11/3) R Caiari, Porto Velho, Rondônia, hrd on 4785 to 0455* (SWB via SCDX 16/3)

CAMEROON R Cameroon-Bertoua uses 4750 morn & eves, 7165 aft; xmtrs undergoing repairs & stn will probably be back on air end Jan; EG & FR (Guido Spildooren, Belgium, SCDX 1/2)

CANADA Sunday Matinee, 2105-2200 on CBCNQSWs 11720 & 9625 (unless they drop it too) from M 4/4 starts a 13-week Nero Wolfe series; from 5/4, 10 pm local time natl nx expands to 25 L mins to include 8 mins of sports at 10:13, so 'Booktime' resked to 10:25-10:40 pm local, on CBC MW stns only; starting this date 15-parter "Memoirs of Montparnasse" by John Glasco, read by Colin Fox. 'Nightfall' 10/4 0030 apx on 9755 & 5960 is "Harris and the Mare" (gh)

CAPE VERDE São Vicente, usually poor but great sig 18/2 during fantastic Af window, 2223-2300+ on 3930; US & Afro pops & deep-voiced DJ in PT; little ham slop this day (Steve Reinstein, Miramar FL, OMDX DX Log)

CHINA Some R Peking Apr pgm hilites: 7/4 growing computer industry; 20/4 new cozy tourist L hotels, 23/4 China's greatest comedian; Kazakh wedding (from APR RIB) R Peking hrd 5/3 0145 E on 21860 EG // 17680 (Jim Conrad, IA) Strange, no trace of it here; image? (gh) R Pekin, H Spanish 0023 21/12 on 29580, 3 x 9860, SIO 141 (Don Moman, Alta, ASWLC) Yunnan PBS announces that it relays R Beijing Viet svc, 0100-0130 on net-2 fq 6937; due to late in morn, not confirmable in Japan; not simultaneous bc as R Beijing has no Viet then. Beihai PBS in Guanxi prov formerly relayed RB VT 1400-1455 8745, audible as simulcast (Nagase, Hiroyuki, E DX Front Line) Yunnan PBS, Kunming logged w/EG lessons 4760 1400-1430; stn has QSLed direct Q ly reports in EG, R Peking once on 15440 for EG 0830-1030 SPac, up from 15433 but since then back to 15435 (Matthew Francis, Tasmania, RA DX 7/3) CPBS-I xmtsr on 9064, normally loud, clean, well-mod & listenable, has developed bad case of the hummies (David Newkirk, Seattle WA, 2/2) R Peking hrd at 2100-2126 in EG on 11513, G; strange fq (Kraig W Krist, VA) In answer to query about timesig bc on hour by Peking CPBS and relayed by Prov stns, Yang Huai-xu, chief of the Science & Tech section, Shaanxi Astronomy Obs, Xian, says "CPBS bes the 6 TS pips for domestic civilian use; it is the adopted intl time sig form, operated by a group of time-keeping clocks installed at Peking Obs of the Chinese Academy of Sciences". By 'operated', I assume he means 'activated' & TS presumably fed to CPBS xmtsr via landline or VHF link; also assume TC voice anmts after pips originate from CPBS studios (Kary, UADX)

COLOMBIA unID Peruvian on 4520, 12/2 1048, ments Cuzco, ID like "R Vienta", GMT-5 TC (Mitch H Sams, AR, OMDX) Turned out to be Colombia, R Neiva, 4 x 1130, definite ID after s/on at 1011 8/3; GMT-5 TCs were 3 mins slow; ID incl unlisted FM on 95.3(?) (Steve Reinstein, FL) Surprised to hear 4520 was Neiva; I listened to stn quite a while for clues of just the 'country--surely in nx I would have hrd Colombia; and mx was not typical of Colombia, but I trust Reinstein, so... (Mitch Sams) Listening to your tape each ID sounded different but Neiva possibly the word; however, thought I hrd 'la emisora de Iquitos'. Possibly two different stns since almost a month elapsed between your logging and his (gh) R Bucaramanga,

E 4845, 0342 13/2 w/EZL mx pgm, EG & SP anmts; EG anmts gave call as HJGF, 10 kW, and said stn was in "eastern Colombia", 0358* (Wm J Martin, DE) I checked for EG one evening between 0300 & 0400 but hrd none; however it was sports coverage, probably atypical pgm; also see March holdover a few pages further on. Did I read somewhere this stn's QSL signer was looking for penpals? (gh) LV del Huila, 13/3 0600 on 6150, terrific sig for listed 2 kW; covers Stgo, Chile. LV del Llano, also S9 at same time on 6115 (Chuck Oliver, Spring TX)

COMORO IS Varies as low as 3327, hrd in Swahili to 2000, mx to NA, 2015* (Ginbey, RNMN 11/3)

CONGO 6115 is active at 2100, // 3235; inactive fqs are 4765, 9610, 15190 (Ginbey, RNMN 11/3)

COSTA RICA R Nacional de CR, relayed on R Casino, 5953.5 12/2 at 0040-0100*, or has R Casino not been nationalized? (Giuseppe Zella, Italy, Play-DX) Due to production problem, corrected CR info did not appear in the WRTH 82; R Nac, 6035 missing; is 2 kW w/rhombic N&E, 1100-0600, rest of info same as MW 575 listing (Andy Sennitt, RNMN 18/3) R Noticias hrd w/SP ID at 1120 on 9615 8/3 (Don Rhodes, ARDXC, DXLL on KTWK 13/3) Hard to believe as stn closed down a year ago; relying on WRTH 82 listing? I've checked the fq at various times tho not 1120 and suspect it was actually KGEI. Unconfirmed report that RNC would resume from Belize; if so they should certainly go after some fq other than 9615! (gh) R Rumbo, Cartago, M listed on 525 kHz but hrd on 530, 0500 1/3 // 6076.5, EZL Latin mx; WRTVH says 525 varies, tho last winter was regular on listed 525 (Wm J Martin, DE) CR making MW changes now (gh) R

CUBA RHC EG to Eu 2010-2140 noted on 15175 a few days after M82 officially began (gh) R

E Moscow hrd on 23680, 19/2 1915, WS pgm, 11890? (Chuck Oliver, Spring TX) No, 2 x 11840, Ha-H bana relay (gh)

DENMARK R Denmark sked w/first xmsns of new 50 kW xmtr at Herstedvester [now capable of using fqs besides 15165!]: 11815 at 2100, 1900; 15165 at 1100 600, 1200 1000, 1600 1900, 1800 1400, 1900 3200, 2000 600, 2200 3000, 2300 2500, 0000 3200; 17725 1300 3000 relay HS-1 nx & Radio Newsreel 1000-1050 & 1630-1730, both 3350; 25615 0900 2050; all in Danish and all 55 min duration u.o.s. Reports wanted to SW Dept, Radio House, Rosenørnsalle 22, DK-1999 Copenhagen V. Same sked was in effect from 7/3 w/times one hour later (DSWCI SW News, J Feb) 1730 xmsn on 17725 wiped out by jamming; 0100 on 15165 to NAM suffers QRM, Peking? (Joe Hanlon, PA, 8/3) The new xmtr did not go on 7/3 as sked; test equipment necessary to run it has been tied up at the MW stn at least thru 15/3, so still on 15165 only w/old xmtr (Andy Sennitt, RNMN 18/3) & if you hear Nordic lang on 25615 at 0900-0955--unlikely in NAM--don't assume it's Norway which uses this fq at many other hours (gh)

ECUADOR Among HCJB's anticipated changes for M82: 17795 ex-11715 for JP 2200-2300 & PT 2300-0130 (Rob Williams, Australia, 21/2) Compounding the mess on 17795 w/VOA also there after 0000 both apparently saying "R Australia listeners be damned" (gh) Regarding HCJB's alleged relay of KGEI on 15355, that is a KGEI original xmsn on their 250 kW xmtr, TGI ant in PT using some syndicated pgms and some of their own material. We do not have an interchange agreement w/KGEI (Roger Stubbe, HCJB, 10/3) We will make a change on morn Eu release P to compensate for their DST but not until the May fq sked change. At that time the morn, & only the morn release will be one hour earlier; only change in Mar is starting release 5 min after the hour [0705] and deleting the morn nx (Phillip M Sandahl, HCJB, 2/3) HCJB X plans to begin a DX pgm in SP (Emilio Méndez, Argentina, IA-DX)

FALKLAND IS FIBS, 2370, 3/2 0045-0135: at t/in surprised to finally hear audio on fq; M&W E w/Brit accent but difficult to copy due to long fades; 0100 QSA better during stox; fade un til 0115 BBC R Nxrl theme, talks on current world affairs; not // to any BBC at the time so was taped. Steady sig for 10 mins w/every word understandable, but of course no ID given during this time! 0130 man in lowkeyed tone w/next day's pgm details; no ID hrd but did hear 2370 mentd; s/off 0135 w/GSTQ, carrier remained on some 5 mins. Not hrd since (Mitch Sams, AR, Ozark Mt DX Club) Congrats; hope that spoiler in CT not playing around again(gh)

FRANCE Paris Calling Africa returned to 11m for M82 and this continues for rest of season, post-28/3 time change to 1600-1700 w/slightly different set of //s: 25820 21620 21580 21525 17860 17850 17720 15315 15300 11845 6175. To NAM in FR now 1055-1612 on 21645 21595 17775

GAMBIA Active again on SW after several years off; 3/2 stn hrd varying 4819-4821, at (gh) 0810-0830+, Af mx, EG anmts, ID "This is Senegambia, Banjul Radio..." Poor reception; also marginal on 12/2 (Maxfield Greenwood, PA, USDXA) If using old xmtr would be 3.5 kW (Andy Newton, USDXA Ed.) As Maxfield pushes the limits of the possible, this appears to be another report which he is certain of, just as certainly disbelieved by detractors. Can anyone confirm? Aside from ute QRM, ought to be in better at listed *0625; Max says he's also had it around 2200 (gh)

GERMANY EAST The first 1982 edition of RBI Journal says the sked for bcs to Eu is effective thru 31/3, whilst those for NAM & elsewhere are effective until May. However, last year all T xmsns were earlier one hour due to local DST as of 28/3--or is it now 1/4 to coincide w/UD-SSR date instead of WEU date? From 1/3, the NAM fq of 11975 was to change to 11970 despite E the jamming & mess on 11970--why? at EG 0100-0145 & 0230-0315 // 9730; and 0330-0415 // 11840 11890; other WNAW EG 0645-0730 on 6080 11890--but check for all these one hour earlier (gh)

GERMANY WEST RFE EG pgm "Good Afternoon" presented by Rick Demarest is full of new pop songs J & unjammed in Hungarian svc every Wed 1410-1500 on 5985 7115 9725 (André Tatter, E Germany, E WDXC ENS Feb) Presumably one hour earlier now; unfortunately at time when reception unlikely in NAM; all these are Bblis site, 50 or 100 kW and 11725 now sked too (gh) DW has nx at 0930-0945 on 15185 (now 15205--ADRL ed) & 17875 21600 21695 for recording by Antigua relay (Madrid, GECE via IA-DX Mar) DW obs w/addl svc to Brasil, 0900-0946 on 21600 17875 15185, in PT to 0940 then SP nx (WBI 4/3) Missing from DW's published sked; the PT is at 1000-1040 on 5960 9735 11705 11810 & 15205--apparently some advantage in feeding it an hour earlier V (gh) DPA reported 23/2 that DW intended to set up a cable TV svc in US w/a commercial partner; project to be explored jointly w/ARD & ZDF, to be implemented ASAP, but hardly possible before early 1983 (WBI 4/3)

GHANA [Why are some editors reluctant to start a new entry at page bottom?] GBC stated that

P it was to undergo radical change 'to effectively champion the cause of the revolution in reshaping the mental attitude of the people', as disclosed by new Acting Dir-Gen of the corp at his first meeting w/GBC workers at BCing House in Accra 12/2. 'We are going to use it as a propaganda instrument; we are going to research the truth of how these imperialists are really sitting on our legs, how these imperialists are really sucking our blood. GBC is going to be hot and you had better watch it.' (WBI 18/2)

GREECE VOG on new 15595, first noted 7/3, QRMing Peking 15600, 0300 GK, 0340-0347 EG (George E Poppin, San Francisco CA) New 15595 noted, and in SP 2315 on 11655. 9865 GK not //. (Larry Magne, PA) 11655 co-channel Israel, OOB starting to double up (gh) New 15595 used for all Nam bcs; tho ancd as 15530 at 0000-0150. Partial sked hrd or hrd ancd 7/3 & 8/3: 0000-0150 60200-0350 Nam 15595 11730 9865. 0400-0430 Arabs 9865 9655 7110; 0500-0615 ME same; 0630-0730 Eu 9865 7110; 0800-0850 Azores 15595 9655; 0900-0950 Au 17700 15595, 1200-1250 Nam on 17555 15595 11730, 1400-1450 Arabs 15595 11925, [1500-1550 Nam traditionally the same as at 1200], 1600-1700 Balkans 11730 9865 7110, 1900-1950 Eu 9865 9655 7110, 2100-2150 Au 15595 11655 9645, 2200-2250 Au 9645, 2200-2350 SA 11655 9655, 2300-2350 GA 9865 (Christos Rigas, L Chicago, 8/3) Most include brief EG nx segments; love that Greek mx, 15595 superb eyes (gh) R Macedonia hrd 0630-1030 Suns 9885 9815; 1100-1430 9885 9815, 1930-2030 9855 (Bob Padula, RA DX 7/3) Several problems with above-aired the day a new sked might have gone into effect; 9885 given twice in script tho 9855 used before; ambiguous whether last two xmsns are Sundays too (gh)

GUATEMALA Preliminary survey shows Cultural 3300 & Nacional 6180 both regular eyes & morns. Nahuálá 3360, Chortis 3380, Tezulutlán 4835 are regular morns but irregular eyes; Maya 3325 regular morns only. No other TG fqs hrd here except Nacional 9760 which I have only tried for in local afternoons (Don Moore, Tegucigalpa, Honduras) LV de Guat, hrd on reactivated 9760 0545-0700. C sigs before RA *0700, apparently ES not DS hrd on 6180 (Bob Padula, RA DX 14/3) LVG has DX pgm in SP Fris 1845 & 2100 on 640 1000 6180 9760 100.1 107.1 (Mundo DX via Mar IA-DX) R Maya dominating ute on 3325, 0205 ID (Dan Robinson, RNMN 19/3) LV de Nahuálá, H tent on 6720 0330 SP, local mx, 2 x 3360, 11/2 (Bob Underdown, AR, OMDC)

GUYANA [Cf Mar LN] I believe the old Demerara xmtrs are at Sparendam; is it possible the people at GBC Georgetown don't know what is happening at the other site? [disparagement of Greenwood's report...] FRENDX needs facts, not fantasies (Ernie Behr, Ont, 12/3)

HONDURAS LV de la Mosquita, 4910, 27/3 0140-0240 pgm in 15-min segments: 0145-0200 Mosquito, 0200-0214 SP, 0215-0230 Tom Jones mx, 0232 that magic ID, taped! Usual s/off is 0200; occl QRM from ute which blocks it completely, F-G (Play-DX, Italy)

HONG KONG [Cf May-June-July 1980 LNs] It's been two years since the last yacht race, so in E late Mar/early Apr, RHK will be back on the air for about 2 weeks in the 3900-4000 kHz range (Alan Bussie, USDXA The Signal, Feb) Was 3943 hrd at 1100 (gh), RCI SWL Digest 13/3) We will be on SW 3940 kHz w/wx reports for S China Sea Yacht Race, not /AM & FM, for about 20 mins at 2325 & 1055 on 3-8 Apr and again for the return trip 14-19 Apr; reports welcome (RTVHK Controller, RNMN 18/3)

HUNGARY All R Budapest xmsns one hour earlier from 28/3 due to local DST, fqs unchanged. EG E 0930-1000 daily ANZ/Japan 21525 17710 15220 15160 11910 9835, 1100-1120 M-F to Eu & Scandinavia [sic] 11910 9835 9585 7155 6110 6025. 1330-1400 M-F As 21525 17710 15220 11910 9835 9585. 2000-2030 daily Eu 11910 9835 9585 7200 6110 6025. 0100-0130 Tue-Sun Nam & X 0200-0230 daily Nam 17710 15220 11910 9835 9585 6000. Calling DXers & R Amateurs 1415-1430 Tue & Fri Eu 11910 9835 7275 7200 6025 6000; 0300-0315 Wed & Sat Nam as 0100 & 0200. Also during Mar there was another 'DX Corner' in Wed 2100, Thu 0200 0300 1030 1200 1430 bcs on alternate weeks (Budapest International) B.I. still keeps secret addl EG xmsns presumably now GMT Mon 0300-0330, Wed & Sat 0030-0100, and also in Eu evenings (gh)

ICELAND Recent sked shows ISBS tentatively M82 at 1800-2200 on either 9665, 11890 or 15235, 10 kW (Patrick Fitzgerald, RA-DX 14/3) Maybe so, but on 18/3 still hrd on 13797, improving considerably by late s/off 2038 that day (gh)

INDIA AIR, G on new 15125, 0215 As lang, 0240 EG nx to 0250*, Tibetan svc? 6/3 (Ernie Behr, E Ont) AIR w/beautiful IS, into lang 0400 on 17785 (Brian Prokop, OH, 15/3) unID on 4608, 00½ subcont weak thru RTTY, Wed a time Bhutan had mntd previously at s/off, but subsequently H hrd w/AIR ID, *0030; ID at 0155 as Akasvani Ranchi; 4 x 1152 kHz (Victor Goonetilleke, Sri Lanka, UADX) Hmm, an Indian MW harmonic would be at least as good a catch in Nam as Bhutan (gh) Poor reception of AIR in the NE region mainly due to lack of power supply; most of the high power xmtrs, 50+ kW, remain off the air due to power shortage and AIR has to use stand-by xmtrs which provide coverage of 15-20 km only. Some stns to get power increases, however --Shillong will have 50 kW; Gauhati 50 kW SW (Vasanth Sathe, The Hindu, 30/10 via José Jacob in Dec Asian DX Review)

INDONESIA RPDT2, Tanah Laut, II, 3488 at 1310 1/3, Jakarta relay to 1310 local pops, weak, no Jak nx next morn; my reports of 3484 must have been error as Jim Young says nothing hrd there lately. RRI Jakarta, 11770 1258 11/3, Song of Coconut Is, ment RRI Denpasar [? Bali] not // natl nx relay or 11790 & not listed in WRTH 82 so reactivated? (Mitch Sams, AR) RRI Banda Aceh back, on 3905, fade in 1100-1600* // 4955; 3905 vy str; new RKPDP Langsa, Northern Sumatra, 1230-1530* on 3460 (Victor Goonetilleke, RNMN 25/2) Suddenly G sigs on VOI at 1100 E 11790 whereas only 15150 gave good signs before Jan; maybe one of those new 100 kW xmtrs. H Jak 6552 = 2 x 3276; 6418 = 2 x 3209 around 1100-1400 (Goonetilleke, UADX Jan) RRI hrd on new 9680, Jakarta VG at 1400 IS, TC, ID [in EG??] (Rudy van Dalen, Holland, RNMN 18/3) 9680 audible to 1420 when DW s/on; maybe new xmtr as in WBI; WBI also says 7270 //(Marks, RNMN) Antara news agcy said 21/2 that MInfo reported to Pres on recent inaug of the 3 new domestic (sic) radio xmtrs, 2 x 250 kW, 1 x 100 kW; one in Medan to cover EU; Jak to N&E, Biak E&S (WBI 25/2) 3804 stn is RFDI [sic] 2 Labuan Batu in Ratnaprapet, N Sumatra, E 1145-1600 (Sarath Weerakoon, Sri Lanka, WDXC Feb ENS) Some exact fq measurements of RRI stns: Kupang 3385.1, Biak 5451.2, Serui 6205.8, Tanjung Karang (not Denpasar or Kupang) on 3946.10; Sura-

baya 3974.70, Kendari 4000.22, Bukittinggi 4910.06, Banda Aceh 4954.73, Pekanbaru 5885.82 (Gordon Darling, UK, 24/1, 1/2, WDXC ENS)

IRAN VOIRI ES in SP began 23/2, 0530-0630 on 15084 & 9022; 24/2 pgm gave times in GMT, Tehran and Madrid, said would include nx, political contry, rev songs of Iran & I AM (WBI 25/2) Reception during EG 1930-2030 on 9022 being the pits, we can at least hear Tehran now in a more comprehensible lang than Farsi, G reception at 0530; if for I AM too, timing is hardly appropriate (gh) WVIRI reported an agreement signed 1/3 w/Brown Boveri Co for purchase and P installation of 4 SW xmtrs & 16 aerials to cover 1500 km radius, per WVIRI Exec Dir, to be installed during 30-month period; former regime had agreed w/Thomson for 16 SW xmtrs and 64 aerials, but CFTH unilaterally cancelled it in Apr/May 1980; WVIRI trying to recover money in French courts (WBI 4/3) Better do better than cover 1500 km radius! (gh)

IRAQ Baghdad FS, presumed Farsi, 3367 0330-0343 20/2, G but rapid fade & gone by 0343(Steve Reinstein, FL, OMDC) V of Masses, 21585 0313 in AR, tentative (Jim Verlings, OR, Feb SPEEDX E GRAM) Well, one night I hrd EG there tho didn't wait for ID, so suspect at least part of the time Baghdad still running NAM svc pgm; reception peaks in summer and much better than only claimed fq 11925 per undated sked rxd in March by Kraig W Krist (gh)

ISRAEL S Dublin R, 20/12 2370 pop mx F on 12481, 2 x 6240.5 (Shaun Geraghty, UK, DSWG1)

ISRAEL Reshet Bet hrd to 1231* on 9815.1; don't confuse with Macedonian stn; Israel not sked here (Larry Magne, PA, 9/3) Am hearing Kol Yisrael at 2030 on 9737 in what sounds like Hebrew, lots of US rock & disco, positive ID (Kraig W Krist, VA, 6/3) Abie Nathan was to put V of Peace on the air one last time 19/2 to 'settle accounts' w/Comms Minister and Knesset members who sabotaged his efforts to get licence to bc from shore (Jerusalem Post 19/2 via Michael Fine, REVIEW OF INTERNATIONAL BROADCASTING)

ITALY Apparently a new religious stn, R Pace (Peace) hrd 13/3 2230-2400* & 14/3 2245-0250+ 15/3, on 15475 (there goes LRA36!), sig about 10 dB over but w/deep fades. Pgmng was 2-min test loop tape in IT ancing it, was a Catholic stn from Verona w/propagation tests; addr given was 37020 Terna, Verona, phone 045-753-2548. This one very interesting (Andrew Wallace, Chelmsford MA) Indeed, but 18-19/3 & 19/3-20/3 no trace of it here during prolonged checks; suspect a pirate, really & may need superb Eu condx to make it if on again (gh) IBC presumably the one in IT on 6275 21/2 around 0600, yu weak but clear, same format as when I hrd 'em in Nov, i.e. lots of M&W chatter, some mx breaks (Scott McClellan, Battle Creek MI) C no longer on 9575 8/3, so RAI free of its QRM at 0100 //11800, but tho RAI strength is 4, audio very poor to unusable due to presumed obsolete gear (George Poppin, CA) M82 SA: GB 1935-1955 11800 9710 7275. Medit 0425-0440 7275 6165. NE 2025-2045 11800 9575 7235. SAs 0350-0410 21560 17795 15330 [this one can be good in NAM w/up condx]. Japan 2200-2225 15330 11800 9710, more EG for there than for NAM 0100-0120 11800 9575. IT to Ams 2230-0100 on 11800 9575 NAM, 9710 CAM, 15245 11905 SAM; LAM 0140-0305 on same S. Canada 1400-1425 on 21695 15310 [contradicting last page report of 9575 which may be later info]; 1830-1905 Can 21560, CAM/WI 17780 15245. Sun soccer, times vary, NAM 17715, CAM 17795, SAM 21695, Au on 15330, Af 21695 (RAI)

JAPAN W/expansion underway & new fiscal year, R Japan major changes effective 5/4. Genl E Svc now has EG on odd GMT hours, JP on evens, of half an hour each, exc 1300, 1500 & 1900 when EG 45 mins; 0700 & 2200 remain in previous format due to limited time on Sines relay, except at 2200 JP first, 2215 EG second. Some xmsns to Eu are dropped; addl fqs beyond the usual 3 during others for As, so: As 0100/0730 17810, 0800/1130 15195, 1200/2130 11815, 2200/2430 15195. As 1000/1130 9635; SAs 1200/1430 11705; SEAs 2200/2330 15235. Eu 0100/0530 9675, 0600/0930 17785-200 kW, 1500/2130 9675, 2200/2430 9645. Am 0500/0730 15325, 0800/1830 9505, 1900/2130 15325, 2200/0430 17755. Sines 0700-0730 15235, 2200-2230 11760. EG on regional svcs: MEGNAF 2015-2045 11780** 9580. NAM 2345-0045 17825 15300** [from 5/2, 21610 replace 15300 & 9580]. 0130-0230 WNA/CAM 17825** 21610; Haw 21610 15195. Eu 0800-0830 21610 17870**; 1830-1900 11780** 9580 [21610 from 2/5]. ANZ 1000-1100 15235 11875. SEAs 1215-1245 [new time, may be viable alternative for ENAM] 11875 9675. SAs 1615-1645 on X 11705 15235**. Sines fqs to remain same thru Sept. ***200 kW, rest 100 kW. New DX Corner pgm Suns lasting 10 mins w/participation of Japanese DX groups, sked Suns 10 mins into half-hour regional EG pgms; Mons [local time] in hour-long svcs to NAM/ANZ 25 mins after start; and in 45-min Gen Svc Mons 15 mins after start; GS sked of pgms given in the order 1500, 1900, 1300, implying that new day's pgms start with 1500 pgm (Japan midnight), so diff pgms on the same GMT day's 1300 & 1500 broadcasts (R Japan direct & via Bob Bodell, OR) W/expanded GS to at least half an hour, most feature pgms should be hrd there too but no info (gh)

KAMBUCHA VOKP DS on 7385 still hrd w/fairly good sig *1100-1330v*(Sat 1400); 49m //not hrd. E ES 9695/11938 *1200-1315* & *0015-0115* in EG, TI, LO, VT, 15 min ea (Isao Ugusa, DXFL 19/2)

KASHMIR AZAD All the world knows that the Indians call the tune in Indian Kashmir, and the Pakistanis in Azad, but for all other reasons officially it's the Kashmiris managing their affairs. How does this situation benefit by an offl R Pak sked listing 4980 6010 6276 7275 as API-8 100 kW w/corresponding times & fqs of a regional svc? Perhaps there is an Indian agent in R Pak! More likely the fqs are indeed from Pak capital, since Kashmir can be covered more efficiently propagationally from 500-1000 miles out than from within (Goonetilleke, Sri Lanka, UADX)

KENYA VOK, Nairobi, Natl svc in SH: 7140 0620-1330, 4915 at 0300-0620(Sun 0330-), 1330-2010 E (Sat/Sun -2110). EG Genl svc on 7125 0900-1100(0620-1325 Sat/Sun). 4804 0300(Sun 0330-0630)-0620; 1259(Sat/Sun 1325-2110)-2010. Vern svcs, not bc on Suns or holidays, Nairobi Central Svc 7150 0900-1045, 4950 1430-1900, in Kikuyu, Kikamba, Kimeru, Masai, Hindi. Eastern & Mom basa svc 7240/7210 0630-1230; 4935/4885 0330-0630 & 1230-2010, in Somali, Swahili, Turkana, Rendille, Burji, Boran (VOK via WBI 25/2)

KOREA NORTH R Pyongyang's KR numbers strong 27/2 at 1415, still 4770 & drifted a bit upward to 5872 (David Newkirk, Seattle WA)

KOREA SOUTH Peggy Thompson in CA says she had KR friend xite bcs on 6347-50 and he IDs it as

KBS, sked 0900-1200; interesting as Echo of Hope reported here, supposedly from S Korea; many people incl myself that it was Laos; good to have positive ID (Mitch Sams, AR, OMDC)

KUWAIT R Kuwait on new 15110 0230-0500* in AR 24/2-6/3, probably 500 kW; // 15495 still in use 11/3 (Ernie Behr, Ont)

LAOS Udorn Sai, most hard to hear Lao here, obs on 6840 around 1300-1330. Pakse, still on 6588, extended eve pgm by 15 min to *0915-1415*, now constant catch w/very slight \pm 1 kHz drift, often spoiled by Bac Thai 6590v to 1330* & Beijing ES on 6590 *1330-1425*. Xieng Khouang, ex-5609 till early Feb, now lost (Isao Ugusa, DX Front Line, Japan, 19/2)

E LIBERIA ELWA G at 2210 nx, 2215 relig songs, EG, ocl opening on 4763 (Fabio Borborini, NY)

LIBYA R Jamahiriya EG seems to vary in time from 2300-2400; hrd s/on as late as 2330, but T still closing at 2400; 20/2 AR s/off just after 2300 and carrier remained until 2400, but E no EG xmsn (Rolf Løvstrøm, Oslo, Norway) 14/3 R Jam EG svc jammed, considerably so after 23 J 50, couldn't get definite CW ID but sounded like possibly DE AO; any ideas who? (John Santospauze, FL) No; RFE Romanian sked to 2302 only but not supposed to be jammed anyway (gh)

SPAIN ABC AR DS currently hrd from apx 1100 on 17930 15415 15270 15235 (WBI 11/3)

LUXEMBOURG R Lux introed summer EG sked last Sun w/spl pgm for SWLs, "Earthlink", 0100 GMT

E Mons on 6090, presumably at 0000 from 29/3; and // 1440 (Andy Sennitt, RNMN 18/3)

MALAYSIA R Malaysia hrd 19/2 testing presumed new 500 kW xmr on 15345 1530-1900 // some of the time w/VOM ES 15295. Per ABU info, R Mal also tested 1530-1900 on 11900 15/2 & 18/2, on 15345 16/2, 17725 17/2 & 20/2 (WBI 25/2)

MEXICO XEFAJ, R Consentida, 11/2 2030-2145 on 18395, phone-in show, ranchera mx, ments R Centro organization; m/b very high multiple harmonic from MW, unlisted in WRTH so m/b less than 250 watts (Mitch Sams, OMDC) Listening to your tape, I agree on the ID; it gave two Mexico City phone numbers; probably new name for existing stn as the band is saturated there, but don't know why on 18395; unhrd here tho checked several times (gh) Bob Underdown and I have been hearing this again at 2030 on 18398; feeder for R Centro net? (Mitch Sams)

X R Mexico DX pgm in SP Mons 0145 on 5985 9705 11770 15430 17765, edited by Alfonso Aranda Velasco (Vicente Bombardiere, LA-DX Mar)

Mozambique R Moz, Maputo, using 25m more lately; Natl pgm in PT hrd as early as 0300 on 11818, PT nx on hour, then mx; formerly, 11818 *0500 (Peter Bunn, Vic., RA DX 21/2) 4865 xmr moving around 4740-4765, 0255-0600 & 1600-2205; varying in 5 kHz jumps on 31m, 9505-9690, 0500-1700 (Richard Ginbey, RSA, RNMN 11/3)

NETHERLANDS Sked rxd from Sunrise R, P O Box 41, 7700AA Dedemsvaart, effective 1/3: Eu/ENAM first Fri of month 2300-2400 11415; Eu, first Sun 1000-1100 11415; unclear whether this applies to months after Mar (Scott McClellan, MI) While looking for R Jan Rap, hrd R Gerona

E Intl, 28/2 on 6288 0651-0730 f/out; vy weak w/reverbed ID in EG, unID Europop, apparently test tape at times; tnx Chris Lobdell for aid on this (Andrew Wallace, MA) R Gerona Intl, 6288, testing 28/2 0515 t/in to 0705*, level not too bad, peaked 0615-0630 w/ID, addr spelt phonetically twice, seemed P O Box 7781 AB, Raalte. Played several oldies, M ancr, lots of ute QRM, still there weakly at 0720 recheck (Chris Lobdell, Stoneham MA) R Gerona, Dutch pirate hrd morn of 28/2 on 6289, EG IDs, F-G (A Capra, Italy, Play-DX) 53 pirate ops were arrested this week following a flood of QRM complaints; included one w/3 kW xmr capable of being hrd worldwide. All 53 xmters were destroyed immediately by authorities. Investigation was by 36 police officers and 12 PTT detectives; all the xmters were in private homes. All those arrested will be tried on April Fool's Day (RN Espacio Diexista 20/3)

NETHERLANDS ANTILLES One of RN's Bonaire xmters has hum problem; trying to fix it (RNMN 18/3)

NEW ZEALAND Very bad nx is the pending closure of the ES of RNZ; lots of publicity about P this 10/3; reasons given are saving the Foreign Affairs Dept \$200,000. Statement by the Minister, Mr Cooper, was full of inaccuracies: he claimed cost of refurbishing xmr was \$6 million; WRNO started from scratch including land, tower, xmr of 100 kW for about \$750,000 and we feel this is about the cost of a new xmr for RNZ. He said R Australia EG to SPac svc was adequate, NZ need not continue, but RNZ bcs in 6 Polynesian langs not used by any other stn; and its JP bcs have created a lot of interest in NZ there & increased tourism. He failed to realize that RNZ is hrd well thruout the world; I have a tape from Edmonton of perfect reception w/out external ant; he also neglects the fact that ending RNZ will end comms with NZ forces in Singapore, other NZers thruout As/Pac and many thousands of NZers living in Australia. You will recall that in 1976 RNZ SW closed down for 5 weeks but due to pressure from listeners worldwide the govt reinstated the bcs. We appeal to SWLs everywhere to voice their concern at the NZ govt's planned termination of the SW svc, by writing to the Prime Minister, R.Hon. R. Muldoon, House of Representatives, Wellington (Arthur T. Cushen, M.B.E., Invercargill, 12/3) RNZ excellent after 0500 on 17705, SIO 433 18/3 0510-06 35; 0600 nx, then Checkpoint, contry on current nx, sports, heads, regional nx (Robert Schukai Jr., St Louis) Same pgm 10/3 had piece on SW closure, relayed 21-23/3 on World of Radio. I understand this is part of a 3% cut in all govt spending, but the Labour opposition opposes this plan, as it would leave R Australia dominant in Pac (gh)

NICARAGUA R Hernández de Córdoba, 6100, tho only 60 mi SE of here is only poorly hrd. S/off seems to be 2000v; s/on sometime after 1300, unable to check due to personal sked; anyway, unlikely for NAM reception (Don Moore, Tegucigalpa, Honduras) R Zelaya, 5955, was closed in Dec when the state took over all stns incl R Zinica on the Atlantic coast. R Zinica is now E part of FSLN net and should remain on air, but no EG hrd as sked Tue-Sat 0100-0200 [6120.4], may be irregular (George Wood, visiting Nicaragua & via HCJB DXPL 14/3)

NIGER ORTN unbelievably strong lately, 5020 20/2 0600 FR nx, many IDs, mostly local items in nx; still *0530 (Steve Webster, Scarborough Ont, DX Ontario)

NIGERIA VON reported 7/3 that FRCN'd acquired land for xmr in Calabar, Cross River State, P work to begin in 2 weeks, xmsn to start 6 weeks later (WBI 11/3) Wow, fast & unbelievable (gh) VON hrd 13/2 2145 on 11125 (Bert Pittick, UK, WDXC ENS) Typo or Panasonic 4 MHz image?

NORWAY R Norway belatedly realised VOA was on 26040 and shifted to 26035, then to 26030 at

1300-1430 (gh) Excellent here on 26040, VOA no problem (Joe Hanlon, PA) [Cf Mar LN-25] Hrd on 15215 16/3 1625 in NW, EG ID, 1630* (Sam Sanchez, El Cajon CA)

PAKISTAN Relieved to see in Jan LN, R Pak EG 2045-2145, thot I was hearing things on 12259, but WRTH 77 lists 6115 & 7085 so they have been on 49m for that slot, but question remains on 12259--spur or mere harmonic? Unhrd on any of them, 11675 12259 15500, since, in any case (Dave Newkirk, WA, 2/2) R Pak Turkish svc 1630-1730 hrd on 13607 incl EG nx 1650-1655. 1981 WRTHVH blurb on WARC-79 reveals Pak put up quite a beef about conf not meeting its bc needs 5800-5950 & 7300-7500 so that might be part of reason they moved to 22m before it's internationally sanctioned; but there are no ITU 'security troops'. R Pak, Islamabad on 7095, 23/2 0134 incredible signal and chanting, 0135 ID, sig deteriorated w/in semhour, back down to fluttery weakie I'd likely have overlooked; again 26/2, likely grey-line. R Pak ancd 6/3 that 1600-1615 EG nx'd be Eaf 17660 15530, ME 17640 21485 15565; next day all hrd but 15530, someone else there; guess that figures: they never seem to know what they're doing (Dave Newkirk, Seattle WA) R. Pak hrd on 9463, 0145 12/3 w/one mx number from t/in tll 0156; native mx, singing & drums (Chuck Oliver, Spring TX)

PAPUA NEW GUINEA R Eastern Highlands, QSL direct from Kiri Nige, Tech. Dir., says mine first report from US on new fq 3395; direct reports stand better chance than via Boroko (Whitacre)

PERU R La Merced, active again on SW, 4960, G sig in Rosario (Luis Saint-Germain, Argentina, LA-DX Mar) R Sicuani has varied 4826-4830, IDing as 4825 (José A Bonacci, Rosario, ibid.) [see COLOMBIA for discussion of 4520 stn]. R Yucán presumably the 5619 stn, 13/2 1110, SP, local nx 1150 mentd small Peruvian towns & Iquitos, Cutervo, Lima, yip-yip mx but ID was not R Yucán (Mitch Sams, AR) Sounded like more syllables but ending in -cán (gh) [Cf Mar LN] R Amazonas was the original name of R Samarín until 1973; it's not a new name. Hearing only Guatapuri on 4815 (E Behr, 5/3) R Chota, 6295, 0102 12/3, peruvian mx, nx or anmts 0105, G exc when CW stn covers (Chuck Oliver, TX) 10/2 great Peruvian nite, R Chota on 6296, 0240-0308*, F w/dual fade pattern, short-term of 15 sec, shallow fades, and longer-term 15-min deep fades characteristic of deep lams. All anmts accompanied by elec mx & pgms pretty diverse w/everything from marimba to samba on 'Nuestros Musicales' pgm; anmts quick & muffled. R Satélite also on 10/2, 6726 0312-0330 F sig but bad ute QRM. Plenty of campo mx, YL ancr w/ments of Satélite, seemed to have TC during anmts & possible mensajes 0326. R Imagen [5035] verie w/pennant, addr is Maynas No. 156, Tarapoto (Bill Whitacre, TX) Contradicting WRTH, or complementing (gh) R Satélite, Santa Cruz de Cajamarca, on 7620 1100-0400, 1 kW; not in WRTH (Grupo de Escucha Delta Radio Club, Argentina, via Espacio DX-Ista, RN 20/3) LV de la Selva, 4825, 1002-1009 13/2, F-G w/Andean mx, ID (Don Moore, Honduras)

PHILIPPINES VOA operating two separate svcs on 26000; EG to Af apparently stateside xmtr to E 2300*; EG to As via Phil, F level u/Af svc but in clear after 2300 w/Bkfst Show (J Lucas, Lindenhurst NY 10/3) No excuse for any co-channel QRM on 11 meters w/so many vacant fqs. M82 sked shows Bethany +1600-2300 250 kW to Af; Phil 35 kW 2200-0300 EAs/Oc and Phil-35 AFRTS to Ind Oc 0400-1900; thus there are overlaps 1600-1900 & 2200-2300. However, 19/3 at 1600 AFRTS reduced on 26000 to 0600-1600 ending one conflict, whilst 21670 expanded to 0015-0600 & 1600-2000; 15300 at 2000-0015; more AFRTS (stateside sites) fq changes expected 28/3 (gh) Reports conflict on FEBC's power on 21515, from 1 to 1.5 to 2 kW, but they plan to upgrade to 10 kW this fall [northern]; using a 4-element yagi cut for 21 MHz, and will concentrate P on upgrading all other ants since xmtrs may not be per govt edict (Rob Williams, NSW)

POLAND R Polonia Nam svc back on air at 0200 & 0300 on 15120 11815 9525 7270 7145 6095, hrd E 0200-0240 15/3, same quality as pre-crackdown: poor! 15120, 11815, 6095 not hrd; 7270 & 7145 F-G if hams allowed; 9525 somewhat understandable tho RCI 9535 QRM. Hrd only nx, no mx, but it too returns (Kraig W Krist, VA) R Polonia ancd 4/3 it would resume bcs in IT, SP, SD, DN, FN, AR, Esperanto on 8/3 & pgms for Polish-born Ams, on same times and fqs as before 13/12; monitoring 8/3 showed pre-Martial Law sked resumed 1130 (WBI 11/3) NAM sked in WBI also shows 6135, lotsa luck u/SRI; as before I rerecommend instead the 0630-0700 be intended for Eu on 9675. EG at many former times incl 2230-2300 EU on 7270 7125 6135 5995 (gh) R Polonia on 7285 2236-2300 EG 26/2, SIO 322 (Elaine Hill, Clinton SC)

PORTUGAL R Portugal, vy surprised to hear PT on 6255 14/3 0150 // 11925, vy strong (Mitch Sams, AR) RDP on 6250 0135 15/3, usual PT pgm, must have been xmtr error as 6025 listed; E clear ID 0150 & 0200 (Bob Underdown, AR) Same here in EG 0305 18/3, 6250 vy strong; punch up error for ancd 6025 tho what they say is far from conclusive; escaped QRM on 49m, but next night back on 6025 (gh)

QATAR QBS seems to be on 15505 for entire sked 0245-2105v; never hrd them on 15185 as in Mar LN (Ernie Behr, Ont, 27/2)

ROMANIA R Bucharest in AR at 1655 8/2 on 17647, hetting Kuwait 17650, xmtr obviously incor-rectly tuned, but for what? (Podney Sixe, UK, WDXC Feb ENS) [cf Mar LN] Hrd report on RCI of 6115 at 0200, but I checked and must say it is not on 6115; remained on 6155 as I hrd IS be-fore WRNO fired up; and they still announce and publish 6155 (Kraig W Krist, VA) EG sked effective 9/11/81 and recently rxd gives EG sked primarily in metres, here converted exc for first two 16m channels, missing from their table and thus ambiguous here: Eu 1045-1100 on 17865/70 15250 11940; 1300-1330 17845/50 15250 11940; 1930-2030 & 2100-2130 9690 9510 7195 7135. Nam 0200-0300 & 0400-0430 15380 15250 11940 11810 9570 9510 6155 5990. Pac 0645-0715 17805 15335 15250 11940. As 1200-1230 17890 15335, 1500-1530 17815 15335 11775. Af 0530-0600 21670 21480 17790 17745 15365 15335 11840; 1730-1800 17720 17815 15380 15365 11885 11790 (via Kraig W Krist, VA)

SAIPAN Call for new comml stn being to Japan in JP is KYOI, 100 kW w/curtain; construction P started, hope for June airdate; local govt doesn't like ants marring skyline and required FEBC to hide their MW ant in a palm tree (Rob Williams, NSW) FEBC project is continuing w/ 4x4 TCI-611 ant expected to cover 4 adjacent bands 9/11/15/17 or 6/9/11/15; xmtr building under construction & staff housing soon to be built; source does not mention contractor's death causing any delay (Rob Williams, NSW)

SA'UDI ARABIA During a breakoff until 1908 of RFE-Polish on 11855 I was able to log BSKSA E in EG at 1800 w/G sig, so I can confirm this Riyadh svc still on air (André Tatter, GDR, J WDKC ENS Feb) For M82 RFE not sked on this fq 1800-2200 but VOA jammed svc to USSR from Munich, 100 kW, is (gh)

SEYCHELLES I wasted 3 IRCs to find out that FEBA listeners outside India, Pakistan, Bangla-Q desh, Sri Lanka, West Asia, N&E&S Africa and Indian Ocean islands do not qualify for a QSL card! (Kraig W Krist, Falls Church VA)

SINGAPORE R Singapore [sic] DS sked: EG 2230-1605 on 11940 5052 5010 w/nx at 2300, 0000, E 0300, 0500, 0700, 0900, 1000, 1100, 1300, 1500, 1600. Chinese 2230-1605 on 9635 6000; Malay 2115-1605 7250 6155; Tamil 1230-1330 & Chinese Dialect 1330-1605 on 7170 (WBI 25/2)

SOMALIA R Mogadishu 9585 xmtmr remains off, not hrd since 22/11 when it carried DS; previously it carried ES, not hrd since 9/11 (WBI 11/3) Audio on 6095 distorted; sounds better on MW 963 kHz (Richard Ginbey, RSA, RNMM 11/3)

SOUTH AFRICA R RSA M82 EG sked: Nam 0200-0300 5980* 9580 11900* 15325; Af 0300-0430 4900 E 5980* 7270 9585 11900*; Eu/Af 0630-0730 9585 15220 17780* 21535; Eu/Af 1100-1200 & 1300-1600 15220 21535 25790; Eu 2100-2200 9585 11900* 17775*. 250 kW exc *500 kW. SABC DS in EG since 22/2: 0348(Sat 0430, Sun 0458)-0555 & 1520(Sun 1455)-c/down on 4835; 0600-1515(Sun 1450) on 11790. AK 0348(Sat 0427, Sun 0457)-0550 & 1520-c/down on 4880. 0348(Sat 0427, Sun off)-0510 & 1525-c/down on 3965; 0555-1515 daily 11885 & 0515(Sun 0457)-1520 9560. R S Africa AN svc 2200-0300 on 3250. R Five 0300-0545 & 1530-2200 on 3250, 0550-1525 on new 7170; Forces pgm Sun 0900-0957 & 1500-1557 on 11900, all 100 kW. Capital R, Transkei constantly switching between 7150 & 7160 due to QRM (QTH Af 20/2) Now stabilised on 7150 no doubt partly due to SABC request, using 7170 for R 5. Capital on 11750 days, 3930 nights, changing over at 0530 & 1730. No change of SW fqs expected before May (QTH Af 28/2)

SRI LANKA Upcoming R Monitors Intl DX pgm topics: 18/4 Sarawak; Maldivé mx. 25/4 R Fiji; X AWR-Goa. 2/5 Balearic Islands; RCI SWL Digest. 9/5 R Barbados; Ulan Bator R (AWR-As)

SWAZILAND SCR now using only one SW fq, 6155 100 kW 0300(Sun 0330)-c/down, which varies 2030/2200. Engr says no changes planned for M82 and 3223 4980 7105 will remain inactive for time being (QTH Af 28/2) TWR EG M82, apx times from graph: 0430-0630 5055, 0500-0830 9640, 0645-0830 11760, 1200-1400 9640, Sun only 1530-1600 11740, 1600-1700 7195, 1800-2015 6070, last mixed w/AK. J82: 0430-0630 3240, 0445-0830(Sun 1000) 7295, 0645-0830(Sun 1000) 11760, 1200-1400 7295, Sun only 1530-1600 11740, 1600-1700 3365, 1720-2000 1170, 1800-2015 3240; 1600-1700 11740 (oops) (TWR)

SWEDEN RSI EG M82 w/slight revisions from 28/3: 1100 9630 21610, 1230 1590 21690, 1400 E 21615 21700, 1600 6065 15435, 1830 1179 6065 15240, 2100 1179 11955 15240, 2300 1179 11705 15270, 0230 9695 11705 17840=SSB. SSB 100 kW P1 HS: 0530-0700 21550 80°, 0700-0900 21550 110° Sat/Sun. 0900-1100 21555 110°, 1100-1700 21555 170°, 1700-2030 21645 250°; also w/ES in SD 0200-0230 17840 0° (RSI)

SYRIA After numerous f/up reports I finally got a reply for a 1975 reception on 9655, as Q follows (John C Herkimer, Caledonia NY, RIB) We assure you that what you were listening to P in 1975 was transmitted from our radio and we stopped SWBC but will resume that again with strong signal during this year (Awatef Haffar, ORTAS Dir of PR, Syrian Arab Republic MInfo, Dir-Gen of BC & TV, 17/2 letter to Herkimer, April RIB)

TAIWAN VOFC relay of WYFR to India hrd on 9610, not 9600 as WYFR publicized (WBI 25/2) Audible on 9610 1402-1702, the first hour quite noisy; 15370 at 1205-1605 not hrd (G Sharnan, Hollywood CA, 12/3) QRMing Perth to its 1600* (gh) 1205-1600 in CH in 15225 replacing 15370 & 1405-1700 EG on 9600 as from 11/2 most likely continuing into M82 (S Aoki, NDXC, BA DX)

VOFC via WYFR EG 0300-0400 on 5985 now marred by jamming as it was further north from the J outset; 11740 0200-0300 often better; 20/3 hard to believe 5985 even on the air (gh) Other VOFC EG direct from Taiwan: 0100-0200 Nam/AuAs 17890 15345 11825, 0300-0350 Nam/AuAs 17890 17800 15345 11825; SEAs 1100-1200 V of Asia 5980 621; 1500-1530 SEAs V of Asia 5980 621; 2030-2130 Af/ME/Eu 17720 15225 11860 9765 9610; 2140-2240 Nam/AuAs 17890 15270 11825 9685 (WBI 11/2)

TANZANIA [Cf Feb LN-23] Tnx for pointing out my error on R Pemba ID; may have been only a request, not an ID, or who knows what; but I rxd QSL 20/2; this does not prove I was correct (Nathan Murff, Albuquerque NM)

THAILAND [Cf Mar LN] Don't try to believe the USDXA report of Thai HS on 6160 at 0800; only HJKJ or CKZU are here at this time. If Queen's message was in EG, it must have been CKZU, Vancouver (Ernie Behr) Interesting fact is that 49.10% of R Thailand [ES] pgming is in EG E (Ron Hopkins, DX Ontario)

TURKEY VOT M82 in FR 2130 on 9625 ex-9615 (Jim Conrad, IA & Robert Chear, France, SCDX 8/3) E So 2030-2130 EG there too; I hear 2200-2300 repeat on 7155 ex-7215 but poorly as it is a jammed R Liberty fq, somewhat better on 9560 and 11770 useless (gh)

UGANDA 15325 hrd 27/2 0324-0400 w/mx & heavily accent woman spkr, 0339 ID (Fabio Borborini, NY) Enjoy hearing Kampala's ES again, but irregular & s/off varies: 28/2 0429:20*; 1/3 on at 0410 but off at 0419 check; 2/3 no trace 0258-0321; 3/3 losing audio at 0423; 4/3 power off at 0433:37; 5/3 0415 band mx, audio trouble, 0416:12*; 7/3 0305 & 0406 no trace; 8/3 03 04 no trace but 0350-0410 hrd w/various QRM (George J Poppin, San Francisco CA) 1/3 1630, R Uganda hrd on 9515 opening "Southern Af svc", saying it was daily to 1730; this svc last detected 24/11 & not traced on 2/3 (WBI 11/3)

U S S R A reminder that from 1/4, R Moscow Nam svc, R Kiev, R Vilnius, & R Yerevan EG to Nam E expected to be one hour earlier, but not RMWS (the more of it at 0300, less of it at 2200) T and not R Tashkent tho fq changes likely in all (gh) R Baku, Azerbaijan, 6110 E 17/2 1400-1500 Farsi, strongest sig on band but //6135 poor w/low mod (Ernie Behr, Ont) During Moscow S Mbg 4/3 RM and its zip code: 113 326 (Kraig W Krist) RM expanded its Polish svc 1/2 to 0430 E -0630 & 1400-2200: 10 h per day, formerly 5. RM EG to GB&I now 2000-2100 on 12010 9600 7390 E 5980 5920 (WBI 11/2) Looking for Kashmir, surprised to hear RM Nam svc on 4860 15/3 0115-

0415+, weak but clear, Chita list, or harmonic? What's it doing here? (Chuck Kristan, PA) Internal feeder, there a long time and reported before the never mentd on R Moscow itself (gh) Surprised to hear RM in EG 30/1 0602 on 4875, A3 DSB, not SSB feeder; 6684 25/1 USSR spur, F-G, fady, 0630 Mayak IS mix RM Nam svc, A3, same audio on both SB, likely mixing product, 2/2 (Dave Newkirk, WA) unID USSR on 5040 1215 HS pgm I, USB (David Crawford, FL)

H RMWS on 23410, 17/3 1906 // stronger 11705; 2nd harmonic (Jim Conrad, IA)

U A E Dubai EG 1030-1040 on 21700 21655 17775; 1630-1645 on 21655 17710 15320; AR nx 1900 & E 2030 on 15320 11940 (WBI 11/2) M82 sked includes 0230-0400 11940 SAs; 0415-0600 ANZ 17810, Japan 17775; EG 0330 & 0530 (Rob Williams, KTWK DXLL 13/3)

U K O G B A N I BBC SP feeder on 5124.0 USB, 0300 ID (Don Moman, Alta., Feb CIDX Messenger)

UNITED NATIONS UNR EG sked dated 7/3, Fri + GMT Sat only: 1830-1837 Gv1 21710 15120 18782½

E LSB, Tangier 15250. 1900-1930 Gv1 21710 15120, Tan 15250. 2215-2230 Gv1 15305 17785=new, 0230-0245 15752 & 10869 USB Gv1, Monrovia 15240 6035. 0645-0700 & 0707-0715 Gv1 11740 and 15125; 0737-0745 same plus Tan 17815 15195; 0800-0815 Gv1 15125 11740, Mon 15235 17860. 0915-0945 Delano 9565, 9350 LSB, Phil 15250 (UNR)

URUGUAY SODRE 9620 0850-0300 10 kW, 15273 0850-0300 10 kW; ES in SP 2200-2245 & 2330-2415 E on 11855; EG 2245-2330 & 0015-0100 11855, SP 0100-0145 & 0230-0315 9515, EG 0145-0230 & 0315-0400 9515 (Rodolfo A Tizzi, Montevideo, Play-DX) Usually inaudible; reports keep sur-facing of them on 11855 the 11885 is their traditional fq; which is correct? (gh)

U S A Unfortunately we no longer have personnel to provide verification for the hundreds of Q reception reports we receive each month. I am sorry that we can no longer provide this service to our listeners in the US (Peter J Barrett, Col, USA, Deputy Dir for Ops, via Gene E Purdum, MI, 14/3) M82 sked via US sites: E 0900-1100 9590, 11-02 15430, 02-04 11710, 04-07 9745. Af 09-11 9530, 11-17 15330, 17-23 15345, 23-07 11790. Carib 09-12 6030, 12-02 15330, 02-07 6030. EAs 10-16 9700, 16-22 17765, 22-02 25615, 02-07 17765; 10-18 11805, 18-03½ 21570, 03½-07 15330. New pgm sked to be published 1/4 (AFRTS) Secret SSB relay on 1365½ active lately, 10/3 at 0625 & 2325 checks; former running about 3 words behind 6030 so satellite-fed at least one hop (gh) Another AFRTS SSB on 17510 1415-. Back in Aug hrd on 16042 SSB at 1555 (Bill Gilbert, Kings Park NY) VOA on LSB 23/2 2215 on 10379, 10451, 10871. VOA Af Panoram 1900 on 26000 23/2; I know this isn't Philippine xmtr [see PHIL for discussion] (Chuck Oliver, TX) VOA QSLed 26000 for 1700 24/2 as Philippine Relay--I know it's impossible, sig was 555, pgm for Af (E Behr) Ha! even VOA messes it up (gh) VOA M82 over R Australia on 17795 at 0330 check from 0200 (George J Poppin, CA) Carib svc ex-17860, 17880

X (gh) WRNO reception 2330 7/3 during WORLD OF RADIO is awful here--heavy QRM de 11960 Moscow (Dave Alpert, NY NY) A problem even here, I regret (gh) QRMoscow 14/3 not as bad as last week (Kraig W Krist, VA) WRNO may change to J82 fq for 1800-2000 of 17775 early, by mid-Mar per George Jacobs (Tud Sennitt, RNMM 18/3) Nice clear channel now, but hadn't as of 20/3--that will affect the Aye 1900 repeat of WORLD OF RADIO. My apologies for incorrect fq 11915 given in my promo, now immortalized in the automation, and in various publicity; should be 11955 Sun 2330 (gh) God willing, KGEI's Polar Beam antenna will be turned on 16/3 (KGEI P circular 24/2) He wasn't (gh) Construction delayed due to rain at site; aux items there but trucks can't get in w/out parts; target now May. The ant beams will be 311° between J-pan & China; 341° central USSR; 011° Moscow via Canada; TC1-611 certainly hoping KGEI will have the same success R Sweden has in reverse path w/same ant; will increase CH; RS to 6h per day (Jack Brooks, KGEI via Rob Williams) WWV again on 10260 & 9740 24/2 0416, doubt rx spur as still there w/20 db attenuation on R-1000; ain't writing them after that CHU-17555 stonewall (Dave Newkirk, WA)

VANUATU Strong solid & easy copy of R Vanuatu nx in EG 0815 2/2 on 7260, first local then E intl, into FR nx 0830; was Pidgin from t/in 0804-0815 (Gordon Darling, UK, WDXC ENS)

VATICAN unID on 6208 0715 21/2, continual chanting, singing to 0800 f/out, never hrd spoken word (Chuck Oliver, TX) RRI Serui 6205.8 splattered by unstable Vatican on 6208 (Darling, ")

VENEZUELA R Nac active again, on 9640 all day, better sigs than 9660 Rumbos, mostly cultural (David Crawford, FL, 4/3) On 9639v 7/3 2300 Lam songs, 2328 TC for 7:31, 0030 opera mx to 0050*; SP ID as "RN-630"; strong sig but OAS QRM to 0030; other days only morns 1000-1100+ (Ernie Behr, Ont) Noting het here on 9640 stars (gh) Is new 50 kW xmtr on since mid-Feb test-P ing regional SW svc. The megawatt (2 x 500 kW) MW xmtr of LV de Venezuela plans to be on M the air by June, on 1240 kHz, 243m, with 2 102m tall ants, on Punta --, Paraganá peninsula; E may include ES in EG (Banda Tropical of Venz club de DX-istas de la Amistad via RN Espacio X DX-ista 20/3) But will it cut thru the hundreds of NAM graveyards? (gh) R Táchira has DX pgm "Por las Ondas" at 1700 on 4830 (Grupo de Escucha Delta R Club, Arg, via Esp DX-ista) Per DX pgms, R Carora hrd again after several years inactivity, 0100 on 4908 (José Nemirovsky, Argentina, IA-DX March)

VIETNAM VOV hrd on reactivated 15010, EG 2030 (Jim Conrad, IA, 3/3) Also 24/2 1600 on 15010 E (Sandy Wayne Wilson, IN) Correction to Gia Lai-Kon Tum sked: *1030-1100* Viet local pgms, *1145-1230 three diff Montagnard langs, 1230-1300* Viet local pgm; Bac Thai, *1125-1330*, mid-Jan 6595v, then late Jan 6600v, now almost settled on 6590, slight moving; only a couple nights past month obs on 6723. Son La *1150-1400* on 4770 6331, playing only mx to 1157 when theme "Song of Partisan" begins. Hoang Lien Son now hrd only on 6604; 5400 seems dropped. Cao Bang stable & strong 6528-9; Ha Tuyen still 4810 but hrd only occly c 1300 (Isao Ugusa, DXFL 19/2) unIDs, think Viets 13/2: 6553 at 1147 flute mx, opera; 4558 1241, vy weak; 4687 H 1245 long fades, As mx, maybe GIKT (Mitch Sams, AR) Hanoi HS at 0100 on 25800, 4 x 6450 (Sarith Weerakoon, Sri Lanka, Feb WDXC ENS)

ZAMBIA R RSA reported 8/2 that consignment of Chinese valves for R Zambia SW xmtrs had arrived. RZ reported 8/3 that more valves ordered from Sweden, vital if to stay on SW (WBI) 3346 6165 7250 9580 11880 17895 inactive; only SW fqs are 6060 0355-2105/2205, 4910 0355-0530 & 1530-2105/2205, 7270 0530-1530, some irregular. No trace of ES for months (QTHAf)

ZIMBABWE Active fqs are 3306 7120 3396 7285; others, 2336 2425 4828 5016 5975 6020 are only ITU listings tho 2425 was once used; all vary (QTH Af 28/2)

CLANDESTINE CRANNY

LV del Cid now on 5110 (nominal 5100) at 0200 tho not directly // 7350; also ancs pgm for GMT Mon only at 0300 on 15280, not checked yet (Dave Crawford, FL, 4/3) I checked 8/3 & hrd only KGEI w/ its usual pgm (gh) CID on 5105 at 0200, 7350 0200, 11700 via DR 0000, Sundays [no time] on 15260 (D.W., Derry NH) Also checked 15260, 0300 15/3--nothing. But on several checks, CID 0200 on 5106 (gh) 5106 +0200, ancing 5100, not //7350 but often same pgm on 7350, just delayed 5 mins, also ancd 15280 but I missed time (Steve Reinstein, FL) Taped the Cuban on 5106 10/3; from 0157 11/3 playing boogie mx to 0202 when cut off air less than deminute, then Cuban folk mx, 0205 chimes, march mx; 12/3 much weaker tho SAM tropicals stronger previous night compared to tonight; closing march from R Havana, 0235* (Chuck Kristan, PA) Listening to tape, at closing sked they did not mention a 19m fq this time (gh) 15/3 on both 5105 & 7350 non // pgms; 5105 t/in about 0130 w/usual "Música Libre" pgm incl EG pops, 0205 regular LV del Cid pgm; 0210 t/in 7350 which had non/LV del Cid pgm incl nx, both w/good solid sigs but occd distortion on 5105 (John Santosuosso, Lakeland FL) 11700, 7355, 15260, erratically 5105 (SWNS)

LV de la Juventud Progresista Cubana obs on 6998 in progress 0300 20/2; 23/2 0250-0335 w/nx & commentaries hostile to Cuban govt (WBI 4/3) Again on Sun 28/2 1732-1840* & 7/3 1718-1828* on 7000 (Steve Reinstein, FL) RJPC, 7000 2-3/3 0241-0340, ID by W 0321 over march mx; jammed 3/3 & CWQRN (Brett Marker, Rockford IL) unID Cuban on 6995 anti-marxist 0210 19/3 (Jim Conrad, IA) Tuned it in on 6996.2, paused 0218-0221, finally hrd LJPC ID at 0313 (gh)

R Venceremos ancd 28/2 an addl daily xmsn at 0230 along w/1200 & 0000 (WBI 4/3) Since 1/3 hrd for an hour at those times; first half is Sal nx, battle reports, then Sal-related intl nx; last 10 mins usually have RV correspondent reports. 8/3 RV claimed that 28 French radio stns were being its pgms xlted into FR (WBI 11/3) 6907, 26/2 0055 anmt, machine gun fire 0058, mly mx, 0102 talk sounding like tape from SSB (Chuck Oliver, TX) & 0050 12/3 same as usual (ibid) The 20/2 bc was taped and xlted on WORLD OF RADIO on WRNO 14-16/3; i.e. claims Honduran involvement and warns them to keep out of it; transcript in April RIB (gh)

R Farabundo Martí unID harangue 0110 26/2 on 6940; I don't listen to this stuff much (Chuck Oliver, TX) 6937a, 0215-0223*, soft sell rev talks in SP, theme seems folksong abt Martí, 28/2 (Bob Underdown, AR) Ancd new bcs from 1/3, 1830-1930 Mon-Sat, 1500-1600 Sun in addn to 0100 -0200 & 1100-1200; 28/2 ancd it'd be on air 27/3 & 28/3 all day long 'in order to give our people instruxion on how to defeat the electoral farce...' Since 20/2 hrd 01-02 & 11-12 on 6935 (WBI 4/3) 0100 7/3 ancd would be off air for improvement; hrd again 0100 8/3 -0155*; 5/3 reported that people's forces seized R Lorenzano in San Vicente, being rev msg for 30+ min, and the 'enemy' turned up 45 mins after 'our compañeros' had withdrawn (WBI 11/3) 6940 to 0154* 8/3 (Steve Reinstein, FL)

R Quince de Septiembre hrd w/vy little jamming, 5565, 17/3 0415-0435*, 18/3 0429-0438*; 17/3 0424-0430 Miskito pgm, 0430 EG anmt saying they are on at 1 pm daily; 0433 s/off in SP saying they preferred to live free in the mountains than enslaved in the cities, then NA (Robert Schukai Jr, St Louis MO) Brief EG xmsn c 0430 2/3, 0422 3/3; also hrd IDing as "Voz de Miskito" (SWNS Mar) ancd that from 1/3 spl pgm for Indian communities of Atl Coast of Nic, at 0430 & 1230, "the Unity of the Five-our Nic brothers, the Miskitos, Sumos, Ramas, Ladinos & Creoles of the Central Region and the Pacific...united in one fist to defeat communism." (WBI 4/3) 5565, 26/2 0326 SP, SIO 433, march mx by Sousa, shouted slogans (Elaine Hill, SC) Morn xmsn monitored daily 20/2-5/3, earliest s/on 1122, latest 1141; earliest s/off 1220, latest 1244 until 4/3 & 5/3 around 1302 after 2/3 extended sked for 'Unidad 5' pgm when 1310+ f/out (Tetsuya Hirahara, Japan, R Nuevo Mundo) Tried sending reception report to the Honduran town w/out exact address, previously reported as its site, but no reply after several months. I think they moved during Dec or Jan (Tim Corcoran, Shavertown PA)

V of Malayan Democracy ancd 15/2 would be on 45 & 53 mbs, dropping 86m (WBI 18/2) New 53m ch is 5600v // 6670 (WBI 25/2) 5610v ex 3510v (Sarath Weerakoon, SL, UADX) 17/2 on 5601 at 1245 fair thru RTTY (Goonetilleke, UADX) Now *1215-1330* due to new GMT+8 time in Malaysia but no change in V of People of Malaya, 7056 (ibid.) Malay ID: Suara Demokrasi Malaya; Std Chinese: Ma-lai-ya min-zhu zhi-sheng; hostile to Mal govt & Sov/Viet influence in SEAs; pro-Pek (WBI) V of the People of Burma, 7570 & 5110: 0030 Burmese, 0100 Karen, 0120 Jinghpaw, 0140 Shan, 0200 Wa, 0220-0240 Std Ch; 1200 BM, 1230 Karen, 1250 Jinghpaw, 1310 Shan, 1330 Wa, 1350-1410 Std Ch (WBI 11/2) Usual s/off more like 1405* since 6/2 (Isao Ugusa, DX Front Line 19/2) V of the Mojahedin-e Khatol still hrd 1600-1700 & 1730-1830 on "40m", fq varies constantly 7400 -7500 to avoid QRM; hostile to Iranian govt & Khomeyni (WBI 11/3)

Spy Numbers #'s stn hrd on 6680a 29/1 2230 t/in w/mly fanfare over & over to 2235 when 5-digit groups began (in mixed lang?) to 2312; 27/1 playing "Last Post" continuously on 6650a 2242 t/in until 2250; both during FE openings. A 'letters' coded xmsn hrd in TX w/that strangely-accented YL ancr (as hrd on the "SYN2" marker et al) on 4670 at 0410 15/1, fq not regularly used for SP #'s but in the past an apparently Eu-based #'s stn also hrd there. We thus suspect that these new letters codes are a new format for #'s xmsns previously hrd from Eu (SWNS)

NAm pirates LN has outgrown the space available for it in FRENDX, so we are moving the pirate section to be mailed w/midmonth UPDATE; you may want to subscribe if you don't already (gh)

UNIDENTIFIED

6155- Mystery unmod carrier just below 6155 is still there [cf Apr 1981 LN-11] Since 1/1 usually 6154.5, up to 6154.56 2/2, down to 6154.41 24/2; still goes off air between 0100 & 0200, occly 0200+. Don't listen nightly but I hear it (usually strong 0000+) almost every night I listen. Out of 64 evs checked since 29/8, not hrd only on (EST) 23/9, 28 & 29/11, 8/12, 6/1, 8 & 9/2. DOC-Ottawa unable to ID it. Apparently not any of: Bucharest=hrd concurrently; RDP Portugal (ditto); CBC Cyprus (ditto); unID Arabic 6154.83 & 6154.86 on diff dates, also hrd concurrently; R Carve, wrong side of 6155; WRNO--diff fq & wrong strength/fading; R Renascença never replied to query despite INCs, & don't believe it's Bayrak; don't yet know about Austria. Surely someone in Eu can hear it s/on or during daytime! Currently f/in here c 2130, so I can only hear it go off the air. Mystified, (Martin Potter, Limoges ont, 24/2) Maybe ionospheric research xmtr, licensed as A9

LISTENERS NOTEBOOK March 1982, continued from the pages of March FRENEX due to lack of room.
Editor: Glenn Hauser, Box 6287, Knoxville TN 37914-0287. (this, and the next three pages)

ECUADOR (continued) R Nacional "Progreso" [as it appears on the letterhead] claims power of 20 kW on 5060 [while WRVH 82 lists 5]. Sked based on intensive monitoring mid/late Dec in Japan: 1000v (0945-1010) - Apertura and "Mañanitas Campesinas" (an Ec mx pgm w/many ads) or on Sats "Tropicalísimo Fin de Semana" (pgm de multitudes) 1105v (1100-1125) - "Boletín Informativo Matinal" (primer servicio informativo) until 1200v; and per anmt: 1700, Segundo Servicio Informativo; 2200 Variedades Musicales; 2300 Tercer Servicio Informativo; 0000, 0030, 0100, 0130, 0200, 0230, 0300 "Los Comunicados". Ancr on "Mañanitas Campesinas" is Mr Noé Esteban Cuenca Armijos, 28, who has worked at stn for 6 yrs; studied at Univ Técnica Q Particular de Loja, facultad de industria agropecuaria. Better chance for QSL if you write him directly at Casilla 519, if you have hrd him on the pgm; ancr name given at opening and closing. Also IDs as "RNP" and mentions 23 years on the air, 20 kW (Tetsuya Hirahara, Radio Nuevo Mundo, Jan) Noted on 5061 in Jan *1000v-1200, F-P (Tahayuki Inoue, RNM Feb.) Some obs of Ems Jesús del Gran Poder, Quito, 5050: [Sorry, more on this stn in FRENEX IN]: *1015 apertura w/mx; 1020v Opening anmt, NA; 1035v Misa (Bible reading?); 1100v Testimonio Nacional (nx); 1200v "Nuestro homenaje a Ecuador, sus artistas y compositores" to 1300 per anmt - Ec folklore mx pgm; 1500-1600 Sat "Orientaciones Básicas de Cooperativismo" per anmt. Among the other stns carrying Testimonio Nacional, per anmts, are R Nac Espejo, El Puyo; R Ecos, Lago Agrio; LV Galápagos (Tomooki Hirata & Tetsuya Hirahara, Feb RNM) Ondas Azuayas, 4980 24/1 0616-0700* closing anmt after spl Sunday concert (P. Serena, Play-DX)

DOMINICAN REPUBLIC We are setting up a stn nr Puerto Plata, HIQP, R. Rancherita, on AM & FM which will play ranchera mx, not merengue; maybe SW later (Richard K Clark, La Vega, RIB)

CHILE R Minería, 9750, 1803 17/11, ads and "Tralala Musical" pgm - Chilean stns specialize in childish pgm titles; R Nacional has one called something like "El Mandandiru-diru-lá" (Marcelo Ruiz Díaz & Emilio Pedro Povrženic, Latinoamérica-DX, Feb)

CYPRUS BBC are installing four 250 (or 300?) kW xmtrs here by Marconi; and will put up new towers for them; maybe on by mid-year or autumn. Also, Singapore now fed by phone circuit ex-perimentally and may be upgraded; lots of xmtr and antenna work going on in UK (R Williams)

CUBA The strong AM Cuban stn on 6995 at *2230v is not a clandestine as some have been fooled into thinking; ancr gives hurried ID at s/on as "Esta es Emisora CLX...estación del Instituto de Meteorología...operando desde la Casa Blanca de Habana". Mostly wx info for Cuba, Caribbean & México. Times vary by a few mins but I usually hear them at *1730-1745* and *2230-2245*. Sometimes annc "1530 de la tarde" which would be 2030 GMT but I've yet to hear them at that time. Might have been (or meant) "5:30" which would be 2230 (Steve Reinstejn, FL) Maybe this should be considered SWBC, if Turkey's is; presumably times'll shift w/DST (gh) Who's Jamming WYFR's EG on 17845 at 2100 to WAF weekdays? Sounds like RTTY and is sometimes quite effective. Maybe mere coincidence but occurs at same time RHC is on in AR on 17835 apx; RHC s/off about 2130; funny noise stops 2135/2140; fairly regular since at least Nov (J Fenton, Hato Rey PR) Placing it here answers the question; not unusual to hear RTTY spurs from RHC on other fq's either, like 15230--PTP site evidently shared w/SWBC site & not properly isolated (gh) R Reloj de Costa Rica reported 26/1 that country's Nat'l Radio Cámara says Cuba would be putting into opn new 500 kW on 790, and a 100 kW on 1170, which would be hrd on CR P Atl coast "violating CR" (WBI 4/2) I've noted R Progreso 790 at times quite strong, but can't be sure if just auroral prop condx. Other fq maybe meant to be 1160 (gh) Havana hrd at 2135 on 11930 & 11940 w/stamp collection pgm 24/1 (Bert Pittick, WDXC Contact) 11950?

COSTA RICA In a Tico Times 29/1 story on fears of increased Cuban QRM, it was mentioned that "R Reloj, which just installed a 50 kW SW xmtr, has to pay \$5,000 to replace a single tube" (via Peter A Horton, Kirkwood MO) I have not noticed any appreciable difference in signal strength for Reloj on either 4832 or 6006 lately. Could this testing account for recent 'wandering' from 6006, or is the 50 kW actually on MW 700 kHz? Perhaps a new 31mb fq yet to appear? 9615? (Horton) WRTH 82 lists 4832 and 6006 as only 1 kW, tho they've long seemed stronger, and 700 as 10; but likely unreliable info as they still list the defunct R Noticias del Continente on 9615! (gh)

COOK ISLANDS Brief comment in recent ish of BCNZ Tech Bulletin explains why a hi power SW P svc will never be hrd from R Cook Islands. A theoretical investigation had been conducted into effects on coverage if the power of the 10 kW MW xmtr was reduced. The reason is that electricity on Rarotonga costs 33 cents per unit! (Barry Hartley, Auckland NZ)

CONGO LVRC has EG nx Weekdays 0630-0645/50 hrd only on 9715 (R Ginbey, RSA, RNMN 11/2)

COLOMBIA R Bucaramanga, 4845 hrd at fine levels w/EG & SP talk, nice mx too, 0322-0335 26/1 (Joe Hanlon, Philadelphia PA) R Transamazónica, 6035.5, *1016 20/1 w/NA, ID, Col mx, poor due to USSR QRM, Rdif Nacional, 15504, 18/1 2130 full ID & orch mx, // 15333.6, 11792.8; ancd SW xmtrs at 2 sites: Tunja & El Rosal (Ernie Behr, Ont.) Tunja is small city about 150 km E of Bogotá; El Rosal not on my map (gh) R Guatapurí, 4815 now on extended 24h sked as hrd +0630-0845+ between 1/12 & 6/12, usually a great sig (Gordon Bennett, UK, WDXC)

CHINA R Peking EG to NAM effective 1/3: ENAM 0000-0200 17680 17855; 0200-0300 17680; 1200-1300 15520; WNAM 0300-0400 15120 17680 17855; 0400-0500 15120 17680 (R Peking) WRTH [81] and Tropical Bands Survey info on EG lessons from Chinese regionals seems wrong in many cases. Jilin 3310 does not seem to have any lesson at 1330, Zhejiang 2476 not 1300 but 1330, Guizhou 3260 w/les at 1300, Qinghai 3950 in midst of EG les at 1355; few are daily and many other changes/faults surely exist (Vesa Komulainen, Finland, Feb WDXC Contact) [Cf Jan IN] Guess I did say 'on the hour' for 0830 SPac 9860 R Peking xmns; of course I meant 'on the half hour' and the extended IS began at 0328 [sic]. I must have been in the clouds. At any rate, am beginning to imagine ways we might roughly figure some of those xmtr sites (David Newkirk, Seattle WA, 3/2) R Stn P&P, Moscow, in EG to As 11/1 said almost immediately after Afgh rev, China simultaneously w/US began bcng to Afgh in Dari. Careful monitoring check out & testing shows nothing at all, tho Russian to Afgh & Iran but unchanged output since

inception 4/11/57; R Peking in Pashto, ne 15/7/73, also unchanged at 7 h per week (WBI 21/1) Been hearing R Peking in SP on 6933 2200-2256 (Kraig W Krist, VA) R Peking in Esperanto: 1100-1130 9860 7315 6825; 1300 15165 11685 8260 4130 [note harmonic relationship of last two]; 2000-2030 9965 9365 7470 5915; 2230-2300 to Amso on 15165 9860 5295 (WBI 11/2) Maybe changed now since EG sked has (gh) New sked from Xinjiang PBS, Urumqi, from Jan 82: Kazakh 0050-0230, 0530-0700, 1200-1720 on 4970 5440. Chinese 2230-0200, 1030-1730 on 4500 3960; 0500-0600 Sun, 0330-0700 on 7385 6100 5660; EG lessons 2330-2400 Tue/Thu, 1130-1200 Wed/Fri. Mongolian 1100-1625, 2330-0555 5060 4220; Uighur 2300-0200, 1045-1730 5800 4735 3990; 0330-0700 on 7050 9510 (Y Hashimoto via Asian DX Log & Y Kato via Nakamura DX Times of NDKC via H ADKN) Xinjiang, Urumchi, continues noted irregularly on 25300, 5 x 5060 6/1 1300 vy weak & not in Chinese (Podney B Sixe, WDXC) 25300 1200 s/on 6/12 w/EIR, Mongolian svc 5060 x 5; a₁ so 25100, 1120 29/11, tent Nanchang, 5 x 5020, local mx (Jürgen Lohuis, Germany, DSWCI) BPM is callign of Chinese timesig stn hrd at 1350, seems to replace BPV, 5430 & 9351 (JADX via WDXC) WRTH 82 lists only BPM, but on 10000 & 15000 (gh)

CAPE VERDE Voz de São Vicente, 3930, M-F 1400-1500 & 2000-2400; Sat 1500-2400 & 1000-2400 (DX-Kuuntelija, Finland via Eter-Aktuell, Sweden, Jan) This matches WRTH-81, is that where the info originated? But not WRTH 82 (gh)

CANADA 'Quirks & Quarks' missing Stns 1700+ from CBCNQSWS since mid-Jan, instead something L in Indian lang (Joseph Slomka, Brooklyn NY, 17/2) And I think further EG pgms dropped as the nativization trend continues, tho I hrd EG nx Sat at 1800 (gh) RCI EG M82 (as anticipated last fall) 1545-1600 EEU [already changed to Polish, but I think the 1530-1545 segment is half FR & half EG tho keep forgetting to check] on 21695 17820=not Sun 15325, Sines on 15315 11915; Daventry 11935 9555. Af 0615-0630 & 0645-0700 M-F 11825 11775D 9590. 1800-1830(Sat/Sun 1900) 17820 15260; 1900-1930 M-F same. 2130-2200 17875 17820 15325 15150 and 11945. Eu 0615-0630 & 0645-0700 M-F 6140 7155-D 9760 11960. 1645-1700 21695 17820=not Sun 15325. 1900-1930(Sat/Sun 2000) 21695 17875 15325 D-5995. 2000-2030 M-F 21695 17875 17820 15325 5995-D. 2200-2300 M-F 17875 15325 11825 9760 D-5995. Nam 0100-0130 9755 5960; 0200-0230 9755 5960 (Sun & Mon also 9535 11940 15190); 0300-0330 5960 9535 9755 11845 11940. 0400-0430 5960 9535 11845. 1300-1320 M-F 11955 9575. Sun 1400-1700 11955. M-F 2300-0100 (Sat 2300-2330, Sun 2300-2400) 5960 9755. ME 0615-0630 & 0645-0700 M-F 15265-D 17860-D. Carib 1300-1320 M-F 15440 17820. Sun 1400-1700 17820 (RCI) BBC relays on 9510, 15260 6120 are 50 kW xmtrs; on 9590, and DW relays are 125 kW (½ x 250) (gh) CFRX 6070 has another serious problem, vy loud hum covering what little mod there was. Engr Bruce Dingwall says final tubes desperately need replacing, has 4 on order, but there seems to be no hurry (Steve Webster, DX Ontario Feb) Well, they must have got them for on 23/2 at 1335, had G mod and sig w/lcl wx, ads, no hum hrd (gh)

BYELORUSSIAN SSR Minsk hrd 9/1 *2130 on 7420, organ IS, ID, nx, F-P w/ute QRM (Newton, GA)

BRAZIL The meaning of the name Tupi, as in R Tupi, Rio & São Paulo: an indigenous race, sibling to the Guarani; in the Guarani lang Tupi means a hard kind of low stature yellow Indian corn. Tupi is a dead language now tho it's being revived in university studies (Alfredo Locatelli, Uruguay & E P Povrženic, Argentina, IA-DX Feb) R. MEC, Rio, reactivated 17875, hrd 4/1 1045 ID ancing only 9770, also new, and 11950; radiotheatre (Povrženic, IA-DX) R Anhanguera, 4914.3, 16/1 0146-0205, many IDs (P Serena, Play-DX, Italy) This was not R Nacional Macapá, 4915; RTTY on 4915 notched out (ibid.) R Nacional Brasília, 11780 Q sends letter in EG saying they do not QSL Amazon svc pgms, only the international svc, reports for which are welcome, IRCs not necessary (Play-DX 25/1) RNB Sunday special topics: L 21/3 Great Names in Brazilian Sports; 28/3 Brazilian Rock Music in the Voice of Rita Lee; 4/4 The African Contribution to Brazilian Culture (via Mike Harvester, RIB) R Nac da Amazônia now anncng new RN stns at São Félix do Araguaia & Tefé; FM or SW? No ment of RN Manaus & Pôrto Velho, which were reported on 4875 & 4945 in March 81 (Ernie Behr, Ont.) R. Inconfidência, 15192.4, excellent 0000-0301* w/mx & ID, up from 15188.5, 21/1 (ibid.) R. Jornal da Transamazônica now on 5027, s/on 0755/0805v (AWR DX 27/12 via DSWCI) [Cf Jan IN-15] Stefan Bursell, Sweden, advises that my R Nacional da Amazônia item is most probably a pgm carried on R Nac de Boa Vista on 4835--also hrd on other stns such as Cruzeiro do Sul on 4765. I'm prepared to go w/this info (Finn Krone, AWR DX 29/11 via DSWCI Jan) R. Iracema de Fortaleza obs on 4819 not listed 4815 as early as 2100 f/in to 0342* (Stefan Bursell, AWR DX 28/1 via DSWCI Feb) R Timbira does not s/off at 0300 as in TBS, WRTVH; hrd to 0457/0501* (Finland DX Club via SCDX 9/2) unID Brazilian, 31/1 0730 & 8/2 2330 on 15051, distorted, not SSB, ads, PT ID mentd São Paulo; church service Sat nite; also hrd on 15053 & 15058; 0755 preaching, not a spur from 19m, drifting a lot (Mitch Sams, AR) I'm hearing a H Braz on 15050f5, extremely distorted, 0145-0445 GMT Mon8/2 mx, ID, ads every 15 mins or so, talk 0300-0400, mx past 0400; in PT, ads for Brazilian products & companies, such as Bradesco, a major bank; almost sounds like what you hear when tuning an out of range FM stn; harmonic of 5015 R Cultura, Curitiba? (Tony Pavick, Latrobe PA)

BOTSWANA Been hearing 3356 0351+ // 4845 as usual; haven't seen 3356 in FRENCH LRs since 4/79 (Steve Reinstein, FL, 3/2) 3355 0345 26/1 u/bad ute, distinctive IS 0345, by 0352 ute gone and SINPO was 55354, couldn't believe the strength; 0358 chorus, 0359 ID; //4845 not as strong; vy weak next nite. Tried Zimbabwe on 3396 and could [not?] get a thing 26/1 (Robert Wilkner, Ft Lauderdale, DX S Florida)

BOLIVIA Press reports say Huanuni miners, 80 km from Oruro, have begun petitions to the govt for the return of miners' stns closed in July 1980, per R Continental nx, Bs As (Emilio Pedro Povrženic, IA-DX Feb) The Panamericana net reported an agreement signed 15/2 authorizing immediate re-opening of miners' stns not damaged in July 1980. The following auth to operate: R 21 Diciembre, Catavi; R Nac, Huanuni; LV del Cobre, Coro Coro; R San José, San José; R Viloco, Viloco; R Animas, Animar [sic]; R V Minera del Sud, Telamayu; R (Tomás Porco) [sic--Sumac Orko?], Potosí; R Cumbre, Tazna; LV del Bismuto, Tazna; R Vanguardia, Colguiri; LV del Minero, Siglo XX; R Chichas, Siete Suyos; R Pfo XII, Siglo XX; depending on

condition of eqp, some might open immediately, others delayed up to 5 months. However, an P AFP report 14/2 said the Bol mining leaders had rejected the govts' proposals for reopenings (WBI 18/2) 4965, R Juan XXIII now to 2200* Suns (ex 1630*), and w/interesting pgm, "Veredicto Final" at 2000, dramatised documentaries of important intl court cases; now that Bol stns have returned to originating own nx (not that all stns relayed R Ilimani bulletins), the most important bcs can now be hrd: R Panamericana, 6105, 'El Panamericano' 1130, 1700, 0000--30 mins long, R Ilimani, 4945 & 6025, 'Noticias de Bolivia y el mundo' 1100 & 1700. R Nueva America, 4797, 'Sala de Prensa' 1130 & 0000, maybe also in afternoon. R Norte, 4935 'Enfoque' 1700, 0000, 0230. On 5582, R San José now *1100-? and ?-0230*, split sked but exact times unk; 5502, R Centinela, Tupiza, *1100 & 0200*, believed continuous. R Machupo & R Roboré not hrd for at least 2-3 months; former may've moved to MW, latter almost certainly has tech problems (Tony Jones, Paraguay, 2/2) Bolivian stns have resumed giving own nx since Dec. Many stns start transmitting first, then apply for licence. The DGT treats such cases w/sympathy in remote areas, but not in urban areas, or mining regions like Oruro & Potosí. One such station, R Aroma, 5568, was ordered off the air between 18 and 26 July 1979 and its eqp confiscated. DGT surveys Bolivian stns every 4-5 days, so it shouldn't be assumed the gov't doesn't know what's going on. Stns ignore citations due to protection of local authorities. A stn in Tupiza, R 23 de Marzo was on 4640 between 1974 and 1978 but is now allocated to MW only. R Nuevos Horizontes, 6210v-6283 (1975-1978) was suspended since it bc from Tupiza where there was more ad income than from licenced Papagaita. Its xmtr is now operated on 5502 as R Centinela, at 1100-0200, by the southern military command. Two stns have been moved from SW to MW: R Litoral, 4515 (Sept-Nov 1974) now on 1530; R Sumac Orko, 6375v (1974) but the DGT came down heavily on it forbidding SW, so it's now on MW 1400, CP199 w/100 W, since Dec 1971[?], but MW unsatisfactory and might be back on SW, but doubtful since it's a tin-miner stn. R Fides was destroyed by military 17/7/80; hope most of miner stns closed in 1980 will be allowed to reopen; their altiplano mx and social commentary has been missed (Tony Jones, RNMN 11/2) 4730 fairly regular here, often hrd 2300-0400 slot, 9/2 0320-0355* w/great sig & varied mx pgm; some hard rock, baladas, Bol folk mx w/flutes. Finished up w/Col Bogey March stead NA (Steve Reinstejn, FL) R La Plata, Sucre, 12/7 2123 on 9715, soccer match, Petrolero Cochabamba vs Independiente Petrolero de Sucre--one or two times a year can be hrd this stn here (Emilio Pedro Povrženic, Argentina, via August Asian DX Review via seama1) The meaning of 'Samaipata', 4868. The Fort of Samaipata is one of the most important archaeological complexes in America, 120km W of the city of Santa Cruz de la Sierra on the hwy to Cochabamba. In Quechua, Samaipata means 'summit of rest', perhaps derived from 'Sabaipata', = summit of matrimony. The matching chairs [or 'love seats?'] spread throughout the fort are eloquent testimony to the union of men and women in rites and celebrations (E P Povrženic, IA-DX, from Almanaque Mundial 1982)

BHUTAN Vy likely a xmtr problem has resulted in drifting: 1/1 on 4615w +1230-1400* while ancing 4692 during EG segment; 15/1 hrd on 4605. David Foster visiting Nepal says he hrd it on 4618w but certainly not in morns as reported by W German DXer to SCDX who definitely mixed it up w/Quetta on 4695v. Victor Goonetilleke hrd them on 4608v 22/1 (Sarith Weerakoon, Sri Lanka) Due to improved propagation R NYAB hrd w/fair strength on 7040 at 0600-0900 Sun E only; EG at 0830-0900 (Alok Das Gupta, Calcutta, India, 21/1)

BELGIUM A weak signal w/similar pgm to unID Dutch pirate on 11380-95 is quite regular on H 11340, but you can ignore this one - it's the 21st harmonic of BRT Wavre from 540 (John Campbell, DSWCI) Ignore?! IGNORE?! (gh) RTBF hrd 9/2 1500-1645 FR to Af/Eu on new 6050 ex-5965 //21460 (WBI 11/2) BRT in DT on new 9780, 0825, E (Pat Fitzgerald, Melbourne, RA DX 7/2) E 9870, EG here daily 0015-0115 in Jan (Alok Das Gupta, India, ADXN) Lucky you, less Grecian QRM! But I think the EG starts 0030 (gh) After only 3 weeks use, 15285, BRT Sun EG Af 1900-1945 incl DX Corner now on 15570, improved reception, virtually no QRM (QTH Af 30/1) BRT dropped PT 1/2 and expanded SP (RN PT & SP DX 4-5/2) So SP now sked M-Sa 1915-1945, 2115-2145; Sun 1815-1845, on 1512, 7335[?] 15570; 2345-0015 LAm 9870 11695 (Spanish & Italian reporters to SCDX 16/2)

BANGLADESH GOS monitored in Jan: 1230-1300 EG 21671 15300; 1315-1345 Nepalese 9730 7220; E 1400-1500 UD 15505 11943; 1600-1630 HD, 1645-1715 AR, 1715-1815 BG, 1815-1915 EG all on 15308 11767 (S Aoki, NDXC, via ADXN) R Bangladesh DS from Dacca; SW channels subject to fqt variation: 0000-0305 4890 3965, 0600-1000 9580, 1030-1315 6145, 1325-1800 3965. Partly in Bengali; EG nx at 0145-0155, 0605-0610, 0835-0845, 1205-1210, 1530-1545, 1705-1710 (WBI 11/2)

AZERBAIJAN Baku 4785 strong 0357 1/2 in Azeri? not RS w/OM/YL nx; better sign than I ever 2) had in PA (Don Moore, Tegucigalpa, Honduras) Your GC path now peaks Aberdeen ex-Torshavn(gh)

AUSTRALIA R Australia uses 21475 ex-21570 avoiding Kuwait 0800-1100 (Alok Das Gupta, India, 21/1) After battling out for many months w/Kuwait, RA moved down to 21475, providing excellent reception to cricket lovers in the sub-continent during Test matches, despite slight QRM from R Pakistan Urdu 0445-0700 (Sarith Weerakoon, Sri Lanka) From 21570 to 21470 0800-10557 avoiding Kuwait (Victor Goonetilleke, Sri Lanka, RNMN 28/1) Moved to 21475 first then to 21470 (Don Rhodes, Vic., ADXN) Trevor Thompson, Telecom engr in Qsld says no plans to P build RA xmtr at Townsville, contradicting previous reports (DX Post via DXPL 26/1) It is widely known that site purchase is being arranged for the new RA facility in Qsld, near Townsville. Actual on-air date is a long way off (Bob Padula, Vic., 24/1) Radio CBN, pirate, X see Fe LN for Mar sked; includes DX tips by Gerry Richards, ahead of RA's Spectrum in this respect (Bob Padula, ADXN) NAM RA fq 9580 missing 1245 27-28/2, still ancd as 1300* (gh)

ARGENTINA RAE has ancd its requirements for a verification card: date, time in GMT, details Q of at least 15 mins (not just title of feature), fq in kHz [you mean, kHz per second? H], brand/model of rx, antenna, SINPO and if possible QRM source (Bill Matthews, OH) Following SW stns sked for privatization in 1982: Feb, R Malargüe [6160]; Mar R El Mundo [15290 11755 97100 6120]; Jun R Splendid [11880 9740 5985v] (Clarín via Povrženic, IA-DX) Strange situation for R Nihuil de Mendoza, soon to be turned over to private hands. KGEI San Francisco

P is applying for it in order to turn it into a SW station, but there is Argentine opposition to this as it is believed that SW is reserved for domestic stns (Nicolas Eramo, LA-DK)
ANTARCTICA LRA36, 15476, "Horizontes de Hielo" pgn around 0045, s/off varied from 0050* to 0120* in late Dec, but off again since 1/1. Letters to Bs. As. address have been returned; what's the correct address? (Ernie Behr, Ont.)

ANGUILLA As WRTVH 82 lists Quality Media Corp, P O Box 7008, Columbus GA 31908 as the USA addr for The Caribbean Beacon, it might be worth noting that the info sheet sent out w/QSLs also gives toll-free inward WATS number, 800-241-7878--which will get you Columbus, not Anguilla, however (Tony Pavick, Latrobe PA) See also TURKS & CAICOS in March FRENEX LN

ANGOLA Beware of a spur from R Kiev on 5192, hrd 2025 5/2, not R C1 Moxico ('VDT', Play-DX) Vashek Korinek in S Africa rxd rare reply from Em Regional de Moçâmedes saying they have been off air most of 1981 due to lack of electricity supply in town. Since otherwise good and strong sigs from other Angolans often disappear for long periods, it's his opinion this is typical problem of many Angolan stns (AWR DX 27/12 via DSWCI) A survey of stn activity: Luanda regular on 3355 4820 7245 9535 9660 11955. Former R Ecclésia fqs 3375 7215 irregularly hrd. Cabinda 5033 not hrd for years. Dundo 4770 not hrd recently as always covered by Kaduna. Huambo 5060 not hrd for most of 1981. Huila 3969.5 poor 21/12. 7345 not hrd most of 1981. Kuando Kubango (note spelling) G on 4779.8. Lobito 7001 not hrd the second half of 1981. Lunda (and not Luanda as often reported) irr on 4860.4. Malange 4941 not noted recently, same goes for Moçâmedes 5100. Moxico 5191.5 is regular w/strong sigs. Uige 4849 not hrd on SW for several yrs. unID Angolan extremely weak sigs eves on 5990.5 (Vashek Korinek, RSA, AWR DX 10/1 via Feb DSWCI)

ALGERIA R Algiers hrd 6/2 2025-2030 in EG on 9510, fair; but 2000-2025 almost impossible due T to RFI on same fq; other fqs given but not hrd were 7145 & 11740 (David Swaringen, Huntersville NC) R Algiers' ES in EG & SP now one hour earlier, 2000-2030 & 2030-2100 resp, on. H 15370 1304 251, tho anmts say 11740 9610 7145 251 only (WBI 18/2) RTA on 19370 1115 6/12 in AR, mx, 2 x 9685 (Jürgen Lohuis, Germany, DSWCI SWN)

ALBANIA R Tirana is going to lengthen its bcs to NAM by approx half hour (Larry Wilkner, FL DX S Florida) You mean EG? You mean hour long instead of half hour ea.? Or one additional half-hr bc? Source? Did they announce this? (gh)

LAST MINUTE INFO (this extra section of LN was completed 1 March 1982, a few days after the portion fitting into March FRENEX)

AUSTRALIA Further checks of 9580 1/3 show it going off abruptly at 1230, tho ancs think it E still runs to 1300; obviously they don't tune in their own stn. Why the curtailment? (gh)

COLOMBIA LV de los Centauros, 5955, noted w/ad for "Radio-Aero-Electronica" 26/2; don't con fuse this for a stn ID (David L Walcutt, NY)

FINLAND M82 EG sked quite confusing due to DST complications: EG to NAM until 27/3 as before E at 1200-1230-not Sun; daily 1300-1330 & 1430-1500 (Sun continuous 1300-1500) on 21475 15400 but from 28/3 all of these are one GMT hour earlier; to FE/As/Au 0930-1000 (Sun from 0800) on 21465, one hour earlier from 28/3. Eu to 27/3 0930-1000 15265 11755 6120, 1930-2000 11755 15430, 2030-2040 963 558 254, 2130-2200 963; Suns also 0800-0925 on 15265. All one hour earlier (presumably including Sun tho not given) from 28/3. However, to Waf on 15430, only the 1930-2000 xmsn moves one hour earlier, the 2130 on 9755 15270 & to SAM on same, does not change time w/DST "as a result of the problems..." (R Finland via gh)

GERMANY WEST DW EG WNAW 0500-0550 March sked on 5960 9545 9650 9690 11705 11905 (DW via gh)

ISRAEL Lots of fq changes for Israel Radio M82, EG: 0500-0515 21760 15105 11640 9815; also E 21710 17815 17685 15485 7465. 1200-1230 21760 21625 17630 15415; also 17685 21495 15605 15485 7465. 2000-2030 17795 17645 15585 11640; also 17710 17685 15485 9009. 2230-2300 on 17795 17630 15585 11640; also 21710 17710 17685 15485. 0000-0030 & 0130-0125 17630 15585 11640. 0200-0225 15585 11640 9815 (via George J Poppin, CA) Hebrew HS relay: 0400-0610 on 15615 15585 12077 11655. 0610-1200 25605 17630 15615 15585. 1200-1300 25605 15615 15585 15105. 1300-1400 25605 17630 15585 15105. 1400-1630 17630 15105. 1630-1800 17630. 1800-2000 21760 17630 15585 11655. 2000-2310 15615 12077 11655 (ibid.) 17795 '11 QRM Australia...

ITALY RAI M82 IT to NAM 1400-1430 on 9575 & 21695 (RAI via George Poppin, CA) 9575 '11 work? E

JAPAN Tho major changes in langs, times and content from R Japan from 5/4 esp in GS, seems that fqs to NAM will remain the same. ANZ 1000-1100 on 15235 11875 (via Bob Bodell, OR)

MONACO Interesting Monte Carlo RCUSB feeder to Cyprus MW relay located 28/2 on 12296, going from FR to AR at 0700 (David L Walcutt, NY) Reminds me, maybe Sams' 15666 unID is this too.

NORMAY M82 NRK sked; fqs in () replace preceding one 5/4: 0100-0230 SAs 11735, N&CAm 11870 11895, WNAW 9660. 0300-0430 Pac 11895(15185), SAs 9590(11920), Af/Med 11810(15165), N&CAm 9635(11870). 0500-0630 Eu 9590(11740), Pac 11895(15185), ME 15165(17715), Af/Med 15175+(17775). 0700-0830 Jap/Ch 21735(17740), ANZ 17895 25730--one long, one short path, N&CAm 15175 15165 (yes, middle of nights...). 1100-1230 Eu 6015, Jap/Ch 25730(21735), ANZ 21670+(21555), SAM 25615(21730). 1300-1430 Eu 9590 9575, SAs 25615, Af/Med 25730, WNAW 26040+(21730)(VOA has been on 26040 at this hour!). 1500-1630 ME 21725 25730, Af/Med 25615, WNAW 15215. 1700-1830 Eu 11920, ME 21575, Af/Med 25730, WNAW 17875. 1900-2030 Eu 9675, Af/Med 21715, SAM 21575, WNAW 15135. 2100-2230 Jap/Ch 9590(15155), SAM 17875(21730), N&CAm 15170+(17840), WNAW 15430 15400. 2300-0030 Jap/Ch 11735, SAM 11710 11895, WNAW 11935(15195). EG as usual the final third of each xmsn on Suns+GMT Mons. Some of this doesn't make much sense, perhaps some () were omitted by them (gh)

QATAR Despite sked in March LN, several reports of QBS already on 15185 at 0230+ (gh)

U S A Reagan's FY 1983 budget calls for reduction of NOAA funds for solar-terrestrial research and services of 3.1 megadollars and 34 positions relative to 1982. Likely would mean curtailment of WWV broadcasts (at :18) and of publications. User comments wanted to (303) 497-3311 (Donald J Williams, & Harold Leinbach, Space Environment Lab, 27/2) Correction to WRNO fq sked as in March FRENEX LN: 2200-2400 on 11955, not 11915. This (gulp) also affects the first airing of WORLD OF RADIO, Sundays 2330-2400 (gh) Until the next, 73, Glenn

QSL REPORT

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



- ANGOLA:** Radio Nacional de Angola 9535 f/d ltr. in 28 ds. for an * EG/PT rpt. and 2 IRCs. v/s Miguel Bras, Department of Exchange and Public Opinion. Arrived via registered mail. (Krause-MN).
- ANGUILLA:** Caribbean Beacon 1610 f/d "Building" cd. in 29 ds. for 1 IRC. v/s Bob Jensen. SW and TV planned for the future (Palmersheim).
- ANTARCTICA:** Radio Nacional Arcangel Sao Gabriel 15476 ltr. was returned. Used the WRTH 81 * address. Can anyone help? (Palmersheim-MN). same in 73 ds. C/V #150: (Valko-PA).
- ANTIGUA:** BBC 6175 n/d "Bridge" cd. in 6 wks. (Krause-MN).
- ARGENTINA:** RAE 11710 f/d blue and white "Logo" cd. in 6 wks. for an EG rpt. and 1 IRC - (Kacir-MI). same in 45 ds. for 1 IRC. (Purdum-MI).
- ASIATIC RUSSIA:** Radio Moscow 9580 via Blagoveshchensk f/d "TV Transmitting Tower" cd. in 1 mo. (Orcutt-CA). f/d cd. in 2 mo. (Leithner-TN). Nikolayevsk-on-Amur 9730 f/d cd. in 2 mo. (Leithner-TN). 17720 via Petropavlovsk-Kamchatsky w/ f/d "View of Downtown Moscow" cd. in 63 ds. Booklets were also rcvd. (Brouillette-MI).
- AUSTRALIA:** VLM9 9610 f/d "ABC Map" cd. in 25 ds. for ms. (Choroszy-ME). same in 17 ds. (George-NC). in 21 ds. for 1 IRC. (Purdum-MI). in 16 ds. for 2 IRCs. (Currin-TN). f/d cd. in 19 ds. (Tekulve-OH). VLI6 6090 f/d "Map" cd. in 46 ds. for 2 IRCs. (Palmersheim-MN). VLM4 4920 f/d cd. in 18 ds. (George-NC). VLH15 15230 f/d "Map" cd. in 289 ds. for 2 IRCs. (Palmersheim-MN). Radio Australia 17795 via Shepparton f/d "Platypus" cd. in 26 ds. (George-NC). 9580 "Koalas" cd. in 17 ds. (Tekulve-OH).
- AUSTRIA:** ORF 5945 f/d "Contemporary Art" cd. in 55 ds. (Mazur-PA). 9770 same cd. w/ sked. in 35 ds. (Purdum-MI). f/d "Lovers" cd. in 47 ds. (Krist-VA). cd. in 57 ds. (George-NC). (Leithner-TN).
- BALI AND LESSER SUNDRA ISLANDS:** RRI Kupang 3385 ltr. in 40 ds. for an IN rpt. and ms.
- BELGIUM:** BRT 17595 f/d "Flemish Art" cd. in 30 ds. Also rcvd. a listeners (Gavaras-MN). Club pennant. (Krist-VA). same in 79 ds. (George-NC). 9870 f/d "Atbrecht Radenbach" cd. in 60 ds. (Palmersheim-MN). 11695 f/d cd. in 60 ds. (Palmersheim-MN).
- BELIZE:** Radio Belize 3285 f/d cd. in 16 ds. (George-NC).
- BOLIVIA:** Radio Illimani 4945 p/d ltr. in 47 ds. for a SP rpt. and 1 IRC. v/s Vladimir Zurita Ibanez, Producer of "Aqui Bolivia" (Loh-AZ). 6025 ltr. in 2 mo. for a SP rpt. and * 2 IRCs. v/s Mario Ortiz Ortiz, Director. (Kirkland-ONT). Radio Abaroa 4730 f/d pink cd. in 1 mo. for a SP rpt. and 1 IRC. v/s Rene Arias P., Director and Rolman Medina M., QSL Manager. (Gliksman-IL). same in 1 mo. on the 7th try. for a SP rpt. (Field-MI).
- BOINAIRE:** Radio Nederland 6165 f/d "Interior of a Country Inn" cd. in 42 ds. (Roser-PA). f/d cd. in 53 ds. (George-NC). 9590 "Traditional Costumes" cd. in 20 ds. for a ltr. to J. Marks. (Murff-NM). Trans World Radio 9755 f/d cd. in 25 ds. (George-NC).
- BRASIL:** Radio Nacional do Brasil (RadioBras) 17830 "Building" cd. in 80 ds. w/ 2 stickers. (Tekulve-OH). f/d "Sunset" cd. w/ sticker in 75 ds. (Kacir-MI). same cd. in 74 ds. v/s R. Hzedof. (Johnson-ID). 15290 same cd. in 81 ds. for an EG rpt. (George-NC). Radio Borborema 5025 large "Diploma" cd. in 6 wks. (Barto-CT). Radio Cultural do Para 5045 plain white cd. in 4 mo. for an EG rpt. and 2 IRCs which were returned. (Lobdell-MA). same in 26 ds. (Sarkisian-MI).
- * Radio Marajoara 4955 p/d ltr. in 3 wks. for a PT rpt. and 1 IRC. (Gliksman-IL).
- BULGARIA:** Radio Sofia 11750 f/d "Narodno Sobranie" cd. in 82 ds (Oksenoff-CA). 15110 f/d cd. in 41 ds. (Sarkisian-MI). 9700 f/d "Nessebur" cd. in 29 ds. (Tekulve-OH).
- CANADA:** CHU 3330, 7335 and 14670 f/d "Sir Sanford Fleming" cd. in 20 ds. (George-NC). CKFX 6080 "Super Country" cd. in 30 ds. for ms. v/s Tricia Rattenbury. (Gavaras-MN). CHNX 6130 p/d "Ocean Playground" cd. in 36 ds. (Palmersheim-MN). CFCX 6005 p/d "Montreal Skyline" cd. in 77 ds. for 1 IRC. (Purdum-MI). CKZU 6160 f/d "CBC Centre" cd. in 16 ds. for 1 IRC. Power 500 watts. (Palmersheim-MN). CFRX 6070 p/d "Toronto Skyline" cd. in 11 ds. for ms. v/s Clive Eastwood (Choroszy-ME).



QSL
via Shalom Gliksman
CP 136 RADIO EMISORAS
"ABAROA"
ONDA TROPICAL
◆◆◆◆◆
- BIRHERALTA - MENEI - BOLIVIA



FEDERAL REP. OF GERMANY: DW
n/d cd. in 28 ds. (George-
NC). Sudwestfunk 7265
f/d "Logo" cd. in
10 wks. for 2 IRCs.
(Palmersheim-MN).
Bayerischer Rundfunk

BURMA BROADCASTING
SERVICE

6085 f/d "Logo" cd.
in 2 mo. w/ sticker and
poster for 2 IRCs. (Palmersheim-MN). Sueddeut-
scher Rundfunk 6030 f/d cd. in 1 mo. (Howard-
CA).

FINLAND: Radio Finland 15400 and 21475 2 CA.
n/d cds. of "Finnish Architecture" and "Aut-
umn in Finland" in 38 ds. (Oksehoff-CA). n/d
cd. in 45 ds. (George-NC). 15400 "Finnish
Folk Tradition" cd. in 38 ds. v/s Helana Paka

FRANCE: Radio France International (name?)
15200 f/d "50th Anniversary" cd. w/ stickers
* in 30 ds. (Purdum-MI). FTN87 13873 f/d "Obser-
vatorie" cd. in 3 mo. for a FR rpt. and 2
IRC's. (Krueger-FL).

FRENCH GUIANA: FR3 5055 f/d "Map" folder cd. in
28 ds. for a FR rpt. and 2 IRCs. Sticker was
also rcvd. (Krause-MN).

GABON: Africa Number 1 4811 and 11755 n/d form
ltr. in 7 wks. for a FR rpt. and 2 IRCs.
(Palmersheim-MN). 11755 n/d ltr. in 6 wks.
for a FR rpt. (Field-MI). RTVG 4777 "Map" cd.
in 30 ds. for an EG rpt. and 1 IRC. (Muehl-
berg-MN).

GERMAN DEMOCRATIC REP: Radio Berlin Internat-
ional 11975 f/d "Jungfernbrücke" cd. in 69
ds. (George-NC). f/d "International Friendship"
cd. in 44 ds. (Tekulve-OH). f/d "Altes
Museum" cd. in 66 ds. (Purdum-MI). 9730 "Photos of GDR Cities" cd. in 50 ds. (Krist-VA).
21465 "10th Anniversary of RBI DX Club" cd. in 32 ds. (Tekulve-OH).

GREECE: Voice of Greece 9515 f/d "Cephalonia" cd. in 84 ds. for 1 IRC. (Purdum-MI). 11730
f/d "Santorini Island" cd. in 57 ds. (George-NC).

GUAM: KTWR Trans World Radio 9505 f/d "Antenna Farm" cd. in 43 ds. for ms. v/s Debbie Blosser. (George-NC). 11840 f/d "Logo" cd. in 22 ds. for ms. (Purdum-MI).

GUATEMALA: Radio Tezulutlan 4835 f/d cd. in 52 ds. for a SP rpt. (Palmersheim-MN). Radio
Cultural IGNA 3300 f/d cd. in 23 ds. (George-NC).

HAITI: Radio 4VEH 11835 f/d "Child:ens" cd. in 20 ds. v/s Jean Van Dervort, QSL Secretary.
HAWAII: WVVH 5000, 10000, 15000 f/d "Boat" cd. in 23 ds. v/s C.L. Trembath. (George-NC).

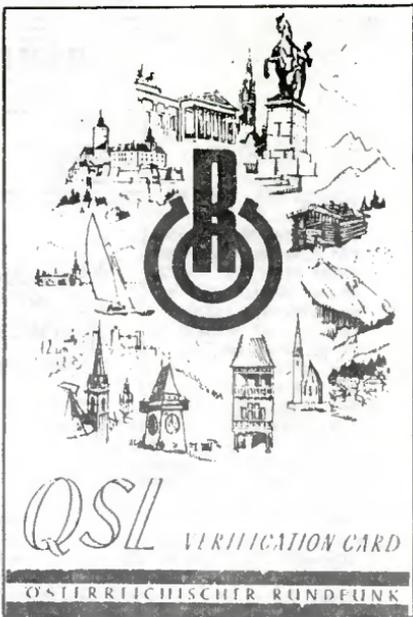
HOLLAND: Radio Jan Rap 6274 f/d cd. w/ personal ltr. & sticker in 3 wks. for a taped rpt.
* and 2 IRCs. 150 watts. (Bares-CT).

HONDURAS: HRVC 4820 "Logo" cd. in 34 ds. for an EG rpt. v/s Cindy L. Maradiaga. (Tekulve-OH).

p/d cd. in 33 ds.
(George-NC). same in
26 ds. for 4 IRCs.
(Johnson-ID). HRXK
La Voz de la Mos-
quitia 4910 f/d cd.
in 1 mo. for an EG/
SP rpt. v/s London
Wilkerson. (Leithner
-TN). same in 33 ds
(George-NC).

HUNGARY: Radio Buda-
pest 15220 f/d "Ca-
stle" cd. in 53 ds.
(Oksehoff-CA). 6110
f/d cd. in 63 ds.
(George-NC).

QSL COLUMN REPORT
FORMS ARE AVAILABLE
FROM YOUR QSL EDITOR
FOR AN SASE.
PLEASE WRITE YOUR
NAME AND STATE/PROV.
AFTER EACH ITEM... Sam



ICELAND: Iceland State B/C Service 13797 f/d "Thingvellir" cd. in 33 ds. for 1 IRC. (Eastman-TX). same in 1 mo. (Field-MI).

INDIA: All India Radio 11620 f/d "Qutab Minar" cd. in 45 ds. v/s B.R. Chalapatu Rao, Audience Research Officer. (Gundersen-MN). f/d "Meenakshi Temple" cd. in 66 ds. (Purdum-MI). 15335 f/d "Horse Show at Red Fort" cd. in 44 ds. (George-NC).

IRAN: Voice of the Islamic Republic 9022 f/d cd. in 7 wks. (Krause-MN).

IRAQ: Radio Baghdad 9745 f/d large cd. in 131 ds. for an EG rpt. (Krist-VA).

IRELAND: South Dublin Radio 6240 f/d cd. in 43 ds. for 2 IRCs. (Clifford-FRG). * same in 1 mo. (Field-MI). Westside Radio 6280 f/d cd. w/ ltr. in 2 mo. for a taped rpt. and 2 IRCs. v/s Prince Terry. Power 80 watts. (Bares-CT).

ISRAEL: IBA 11640 f/d "Jerusalem" cd. in 49 ds. (Krist-VA). 17612 same cd. in 41 ds. (Clifford-FRG). 9815 same cd. in 42 ds. (Tekulve-OH).

ITALY: RAI 11800 f/d "Bernini Fountain" cd. in 4½ mo. (Kacir-MI). Italian Broadcasting Company 6275 f/d cd. w/ sticker in 6 wks. for a taped rpt. 100 watts. (Bares-CT).

IVORY COAST: Radio Abidjan 11920 f/d "SWL de Radio Abidjan" cd. in 1 mo. for a FR rpt. and 2 IRCs. (Leithner-TN).

JAPAN: Radio Japan 17825 p/d "Shrine at Kasuga" cd. in 47 ds. (Brouillette-MI). p/d "Do!!" cd. in 24 ds. (George-NC). 21610 p/d "Wisteria Flowers" cd. in 32 ds. (Clifford-FRG).

* NHK 3607.5 via Kawaguchi f/d cd. in 3 wks. for 2 IRCs. (Neumann-AZ). NHK 3259 via Sendai p/d personal ltr. in 15 ds. v/s Satoshi Kimura, Public Relations Dept. (Howard-CA).

KALIMANTAN: RRI Palangkaraya 3325 f/d personal ltr. in 22 ds. for an IN rpt. and ms. v/s * Djoko Suryanto. (Hensley-TX).

KAMPUCHEA: Voice of the Kampuchean People 9695 f/d paper cd. in 2½ yrs. for an EG rpt. and * 2 IRCs. (Fisher-MA).

KARELIAN AUTONOMOUS SSR: Radio Moscow HS 4780 via Petrozavodsk ltr. w/ site in 46 ds. v/s * Mrs. Eugenia Stepanova. (Hardester-CA)...Great!

KOREA, DEMOCRATIC PEOPLES REP: Radio Pyongyang 9977 f/d "House Scene" cd. w/ pennant in 45 ds. for 1 IRC. (Purdum-MI).

KOREA, REPUBLIC OF: Radio Korea 15575 f/d "Rich Harvests from the Sea" cd. in 52 ds. for 1 IRC. Pennant rcvd. (Brouillette-MI). f/d cd. in 51 ds. (George-NC). 11810 same cd. in 41 ds. w/ other materials. (Palmerheim-MN).

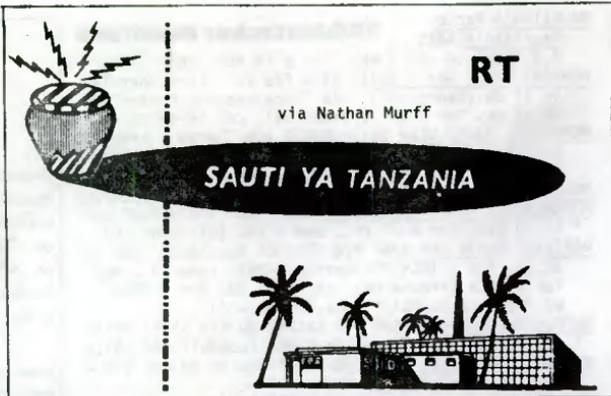
KUWAIT: Radio Kuwait 11675 f/d folder cd. in 39 ds. (Purdum-MI). same in 41 ds. for 2 IRCs. (Connell-CA). same in 49 ds. for a taped rpt. (Loh-AZ). f/d cd. in 68 ds. (George-NC). same in 35 ds. v/s Jawad Al-Mazeedi, Chief Engineer (Gundersen-MN).

LEBANON: King of Hope 6215 f/d ltr. in 3 wks. v/s Violet Kelley, Secretary. (Gliksman-IL).

LESOTHO: Radio Lesotho 4800 f/d "Flag" cd. in 45 ds. for 3 IRCs. (Krueger-FL). same in 46 ds. for 3 IRCs. (Palmerheim-MN).

LIBERIA: VOA 17870 via Monrovia f/d "Golden Gate Bridge" cd. in 12 ds. (Tekulve-OH).

MALTA: International Christian Radio 9515 f/d "CN Tower-Toronto" cd. in 3 wks. (Kacir-MI). same f/d cd. in 27 ds. (George-NC). IBRA Radio 9555 f/d "Europe" cd. in 1 mo. for a taped rpt. Sticker and a pen was rcvd. (Krause-MN).



RT

via Nathan Murff

SAUTI YA TANZANIA



via Frank Orcutt

SOMALI

BROADCASTING SERVICE

The logo for Somali Broadcasting Service (S.B.S.) features three radio towers of varying heights, each with a signal tower on top, all enclosed within a laurel wreath. Below the towers is a banner with the letters "S.B.S." and the words "BROADCASTING SERVICE" underneath.

Radio San Cristobal

MAURITANIA: Radio
Mauritanie 4845

Süddeutscher Rundfunk

f/d "Map" cd. in 5 wks. for a FR rpt. and 1 IRC.
MONACO: Trans World Radio 9495 f/d cd. (Leithner-TN).
in 17 ds. (George-NC). f/d "Broadcasting Center" cd.
in 15 ds. for 1 IRC. (Purdum-MI). cd. in 63 ds. (Atsa-
MONGOLIA: Radio Ulan Bator 12070 p/d "Horse
and Rider" cd. w/ pennant in 79 ds. (Oksenoff-CA).
same cd. in 13 wks. w/ pennant. (Palmerheim-MN). se)
MONTSERRAT: Deutsche Welle 9545 n/d cd. in 2 mo. (Krau-
MOZAMBIQUE: Radio Mozambique 3210 p/d "World Map" cd.
* In 10 wks. for a PT rpt. and 1 IRC. (Gliksman-IL).
NAMIBIA: Radio SWA 4965 f/d "Pondok Mountains" cd. in
32 ds. for 2 IRCs. (Palmerheim-MN). same in 3 mo.
for 2 IRCs. (Krause-MN). cd. in 4 mo. for 3 IRCs.
w/ "Face of Namibia" book. (Orcutt-CA).
NEPAL: Radio Nepal 9590 via Kathmandu f/d plain white
* cd. by registered mail in 3 mo. (Lobdell-MA). Nice!
NEMFOUNDLAND: CKZN 6160 f/d "Map" cd. in 30 ds. v/s F.
Holm. (Fordyce-NY).

NEW ZEALAND: Radio New Zealand 15485 f/d "Fishing" cd.
in 2 wks. for 4 IRCs. Pennant rcvd. (Palmerheim-MN).
17860 f/d cd. w/ pennant in 3 mo. (Field-MI). 11945
f/d "Native Statue" cd. w/ pennant in 61 ds. for 3 IRCs. (Hahn-CA). f/d "Logo" cd. w/
pennant in 40 ds. for 3 IRCs. (Purdum-MI).

NICARAGUA: La Voz de Nicaragua 5950 n/d ltr. w/ pennant in 72 ds. for a SP rpt. and a tape.
NIGER: ORTN 5020 f/d "Map" cd. in 56 ds. for a FR rpt. and 2 IRCs. v/s M. Hayari Mouna,
Le Chef du Centre HF. (Loh-AZ).

NIGERIA: Voice of Nigeria 15120 f/d "Remembrance Arcade" cd. in 110 ds. (Oksenoff-
CA). same in 326 ds. for 1 IRC which was returned. (Brouillette-MI).
f/d "Traditional Costumes of Milk Sellers" cd. in 372 ds. (Rigas-IL)
FRCN 6050 via Ibadan f/d form ltr. in 55 ds. v/s V.A. Kalejaiye,
Assistant Director. (Palmerheim-MN). FRCN 4770 via Kaduna f/d ltr.
in 6 wks. v/s Ismaila Mohammed. (Leithner-TN).

NORWAY: Radio Norway 25615 "Mountain Stream" cd. w/ sticker in 28 ds.
(Purdum-MI). 17795 f/d cd. in 39 ds. (George-NC).

PAKISTAN: Radio Pakistan 11670 and 9870 "Clifton Karachi" cd. in 93 ds. for
* 2 IRCs. (Purdum-MI). 5009 via Rawalpindi f/d personal ltr. in 5 wks. for
ms. v/s Yar Mohammad Khan, Engineering Manager at Peshawar. (Howard-CA).
* 5060 via Islamabad f/d personal ltr. from above v/s in 5 wks. (Howard-CA).

PARAGUAY: Radio Nacional 11915 f/d form ltr. via registered mail in 31 ds. for a
SP rpt. and 2 IRCs. v/s Carlos Tomas Montaner, Jefe Tecnico. (Eastman-TX).

PERU: Radio San Martin 4810 p/d personal ltr. in 46 ds. for a SP rpt. and 2 IRCs.
* v/s Edgardo Salas Neira. (Palmerheim-MN). Radio Satellite 6726 personal 2 page
ltr. in 4 mo. for a SP rpt. and 3 IRCs. v/s Sabino Ltamo Chavez, Gerente... My rpt.
was the third rcvd. by the station! (Krueger-FL).

PHILIPPINES: VOA 26000 via Poro f/d "40th Anniversary" cd. in 16 ds. (Fordyce-NY).
POLAND: Radio Polonia 9525 f/d "Lazienki Park" cd. in 38 ds. for 1 IRC. (Purdum-MI).

RTI via
Bill Harms

Q. S. L.

the French 10.10.72 =

Broadcasting and Television system
thanks you for listening to its
broadcast (and for details)
on 25.6.72 Yes wt)
at 05.19 - 05.52 G.T.M.
on the frequency 15190 kHz
in the 19 meter band

Paris via
Brazzaville

Best regards
Maison de F.O.A.T.F. - Direction des Relations extérieures. 110, avenue de
Président Kennedy, Paris 16^e.

Box 9516

РАДИО
МОСКВА



PARIS NEDERLAND Hilversum (Holland)

PORTUGAL: Radio Portu-
gal 11925 f/d cd.
in 31 ds. (George-
NC). Radio Renas-
cencia 9525 f/d cd
in 2 mo. for a PT
rpt. 100 watts!
(Field-MI).

ROMANIA: Radio Buch-
arest 11940 f/d
"Galati Harbor"
cd. in 61 ds. (Geo-
rge-NC). same in
13 wks. (Palmer-
heim-MN). f/d "Paint
ing" cd. in 23 ds.
(Purdum-MI). 5990
f/d "View of Pia-
tra Neamt" cd. in
63 ds. w/ pennant.
(Krist-VA).

KBS

ROMANIA: Radio Bucharest 11940 f/d
"Composition by D. Gavrilleanu" cd.
in 80 ds. (Oksenoff-CA). same cd. in
87 ds. (Hahn-CA).

RWANDA: Deutsche Welle 11965 n/d cd.
in 25 ds. (Palmerheim-MN).

SABAH: Radio Malaysia 4970 via Kota Kinabalu
f/d cd. w/ personal ltr. in 1 mo. for 2 IRC
v/s Evelyn Gobile, Publicity Officer. Also
rcvd. station sticker. (Neumann-AZ).

SAO TOME E PRINCIPE: Radio Nacional de Sao
Tome e Principe 4807 f/d form ltr. in 3
languages (PT,FR,EG) in 4 1/2 mo. for a PT
rpt. and 2 IRCs. v/s Suaclea Madre Deus.
(Lazarus-LA).

SAUDI ARABIA: BSKSA 11855 "Logo" cd. in 47 ds.
via registered mail. (Tekulve-OH).

SEYCHELLES: FEBA 11810 n/d "Thank You But We
Don't QSL Your Listening Area" cd. in 75 ds.
for 3 IRCs. (Krist-VA). 15305 n/d "Logo and
Globe" cd. in 37 ds. for 3 IRCs. v/s Sharon
Martin. (Palmerheim-MN).

SINGAPORE: BBC 9740 n/d "Bridge" cd. in 50 ds.
(Choroszy-ME). Radio Singapore 6155 f/d
"Logo" cd. in 2 mo. (Barto-CT).

SOUTH AFRICA: Radio RSA 15325 f/d "Flower" cd.
in 33 ds. (Alsbrook-AR). 4990 same cd. in
24 ds. (Palmerheim-MN). 9580 "Protea and
Leucospermum" cd. in 24 ds. (Johnson-ID).
17775 f/d "African Elephants" cd. in 45 ds.
(Krist-VA). SABC 4835 f/d "Industry" cd. in
34 ds. (Palmerheim-MN). Radio Five 3250 same
cd. in 30 ds. for 1 IRC. (Hardester-CA).

SPAIN: Radio Exterior de Espana 9630 f/d cd.

in 122 ds. (Johnson-ID). f/d "Girl and Window"
cd. in 104 ds. (Hahn-CA). f/d "Bisonte" cd.
in 78 ds. (George-NC). 11880 f/d "Pantocrator"
cd. in 30 ds. (Mazur-PA). mann-AZ).

SURINAME: Radio Apinte 5006 f/d ltr. w/ pennant in 1 mo. for 2 IRCs. v/s E. Vervuurt. (Neu-
SWEDEN: Radio Sweden International 21615 f/d "Do It Yourself" cd. in 14 ds. v/s Karin Brindt
(Roser-PA). same in 11 ds. w/ pennant and stickers. (Palmerheim-MN).

SWITZERLAND: Swiss Radio International 9725 f/d "Corippo" cd. in 50 ds. (George-NC). 21570
same cd. in 22 ds. v/s M. Chisholm. (Tekulve-OH). 9535 via Sarnen f/d "Mountain Scenery"
cd. in 2 mo. (Field-MI).

SYRIA: Radio Damascus 9655 registered ltr. in 1 1/2 mo. (after 7 years!!!) for a 1975 reception.
* v/s Awatef Haffar, Director of Public Relations. He states that activity will resume in
1982 on the international shortwave bands. (Herkim-ny)... Very Nice!

TAIWAN: Voice of Free China 5980 f/d "Butterfly" cd. w/ pennant and key chain in 26 ds. for
ms. (Byron-NY). 5985 "Ivory Paper Weight" cd. w/ 2 pennants & lapel pin in 2 mo. (Kirkland-
ONT). 17800 f/d "Horse Painting" cd. in 24 ds. (George-NC). f/d "Ivory" cd. in 25 ds. for an
EG rpt. (George-NC). f/d "Vase w/ Phoenix Decor" cd. in 45 ds. w/ pennant, pin, key chain
and cassette music (Byron-NY). 15345 f/d cd. in 11 wks. for 2 IRCs. (Palmerheim-MN). 11745
f/d "Vase" cd. in 81 ds. w/ pennant. C/V #100. (Rigas-IL).

TANGIER: RTVN 17710 f/d purple "Map/Logo" cd. in 14 wks. for 2 IRCs and a taped rpt. v/s J.
Tanane. (Palmerheim-MN).

TANZANIA: Radio Tan-
zania 4785 ltr. in
EG for 3 IRCs. in
@ 1 mo. (Murff-NM).

TURKEY: Turkish State
Meteorological Ser-
* vice 6900 ltr. in
36 ds. for a taped
rpt. and ms. (Sgru-
lletta-NY). same in
27 ds. for an EG
rpt. v/s M. Cemil
Ozgul, Director
General. (Huniwell-
NJ).

VOFC

QSL



Major General (R) Cheng Wen-kuang is an expert in horse painting. His painting possesses the exquisiteness of both appearance and spirit which has been well known internationally.



RADIO NEDERLAND



QSL

via Dale Park

RADYO FILIPINAS

TURKMEN SSR: Radio Moscow via Ashkhabad on 15295 f/d "TV Tower" cd. in 73 ds. (Oksenoff-CA).

UGANDA: UBC 15325 "Studio" cd. in 1 yr. for 2 IRCs and an EG rpt. (Muehlberg-MN).

UKRAINIAN SSR: Radio Moscow via Lvov on 12010 f/d cd. in 53 ds. (Oksenoff-CA). via Simferopol on 15130 f/d "Tretyak Gallery" cd. in 67 ds. (Rigas-IL). via Vinnitsa on 11860 f/d "Soldiers Monument" cd. in 59 ds. (Purdum-MI). same in 67 ds. (Rigas-IL). via Kiev on 17880 f/d "Lenin Statue" cd. in 39 ds. (Purdum-MI). 9800 f/d cd. in 54 ds. (Tekulve-OH). "St. Basil Temple" cd. in 63 ds. (Rigas-IL). Radio Kiev 11735 f/d "Zhovtnevky Culture Palace" cd. in 75 ds. (Purdum-MI). 17870 f/d "Building" cd. in 41 ds. (Connell-CA). same cd. in 61 ds. (George-NC).

UNITED ARAB EMIRATES: Dubai Radio and Colour Television 15320 f/d "World Map/Logo" cd. in 1 mo. for 1 IRC. v/s H. Parker, Chief Engineer. (Kacir-MI). same cd. in 28 ds. (George-NC). same f/d cd. in 7 wks. (Leithner-TN).

URUGUAY: CXA13 Radio Carve 6155 long gold cd. in 3 mo. for a SP rpt. and 2 IRCs. v/s Graciela Corrdi de Lapi, Secretary. (Kirkland-ONT). f/d cd. in 12 ds. for a SP rpt. (Sarkisian) (George-NC). WINB 15185 f/d cd. in 26 ds. (George-NC). VOA 21485 via Bethany f/d cd. in 12 ds. v/s Wayne Greene. (Tekulve-OH). 21460 via Delano f/d "40th Anniversary" cd. in 8 ds. v/s V. Strong. (George-NC). same in 12 ds. (Tekulve-OH). 15410 and 5995 via Greenville f/d cd. in 12 ds. (Tekulve-OH). 15562 f/d "Bridge" cd. in 11 ds. (Palmersheim-MN). 26000 same cd. in 2 wks. (Palmersheim-MN). 17730 cd. in 20 ds. (Tekulve-OH). Voice of the OAS 15160 ltr. in 12 ds. for ms. v/s Delia C. Levandoski, Radio and TV Unit. (George-NC). United Nations Radio 21710 via Greenville f/d cd. in 23 ds. (George-NC). WYFR 5985 f/d cd. in 54 ds. (George-NC). 11830 f/d "Logo" cd. in 49 ds. (Tekulve-OH). 15215 and 9715 f/d "Logo" cds. in 40 ds. (Tekulve-OH). 21615, 15365, 11805, 11720, 9715 and 15215 f/d "Logo" cds. in 23 ds. (Tekulve-OH). Voice of Free China via WYFR on 5985 f/d cd. in 36 ds. w/ pennant and other material. (Fordyce-NY).

USSR: Radio Moscow 9800 "TV Tower and Monument to Space Conquerors" cd. in 60 ds. (Krist-VA). * 15450 via Zhyguli f/d "Red Square" cd. in 43 ds. w/ pennant. (Connell-CA)...Help w/ QTH!

UZBEK SSR: Radio Tashkent 11785 f/d cd. in 85 ds. (Krist-VA). same in 64 ds. (George-NC). 5945 f/d "Map" cd. in 44 ds. (Purdum-MI).

VERIFICATION SIGNERS: RRI Jambi 4927 M. Yazid (new QTH: Jalan Jendral A. Yani Telanaipura). RRI Medan 4764 Cornell R. H. Tobing, Station Chief. Radio Lebanon 15350 Mr. M. F. Fehmy, Head of Public Relations of Radio Lebanon. La Voz de Nicaragua 5950 Juan Maltes, International Program Director. RRI Jayapura 9612 Mahamad Ely. Radio Dragao do Mar 4925 Maria Rosilea Irineu. Radio Dourados 3375 Waldemar Dorta, Director. Radio Inconfidencia 6000 Eugenio Silva. Radio Madre de Dios 4950 Ines Panduro, Secretary.

YSSS- Radio Nacional de El Salvador
San Salvador, El Salvador, Centro America.

PALESTIN
via Terry Palmersheim

CSL

AGRADECEMOS SU CARTA DE FECHA 11 DE DICIEMBRE DE 1981, EN LA QUE NOS COMUNICA HABER ESCUCHADO NUESTRA EMISORA Y NOS DESCRIBE UN DETALLE DE PROGRAMACION TRANSMITIDA EN LOS 9553 KILOHERTZ. SU REPORTE ES CORRECTO.

SWL
via Terry Palmersheim
DE RADIO ABIDJAN

MERCI POUR VOTRE REPORT CONCERNANT NOTRE EMISSION
DU 2-2-81
A - a - b - c - d - X - Y - Z
B - a - b - c - d - X - Y - Z
C - a - b - c - d - X - Y - Z

Heure GMT
a = 06 h 00 à 00 h 00
b = 06 h 00 à 00 h 00
c = 06 h 00 à 00 h 00
X = FRANÇAIS
Y = VERNACULAIRE
Z = ANGLAIS

A = 11 920 kc/s - 100 kW
B = 7 215 kc/s - 1 kW
C = 4 940 kc/s - 25 kW
D =
E =

B P V 191 ABIDJAN (COTE D'IVOIRE)

RADIODIFUSION ARGENTINA AL EXTERIOR

VERIFICATION SIGNERS: Radio Altiplano 5045 Rosaria Ossio Johns.
 Emisora Regional Benguela 6150 Carlos Pimentel. Radio Clube
 Ribeirao Preto 15415 Demetrio Luis Pedro Bon. Radio
 Cultura de Sao Paulo 17815 Olimpo Jose Franco
 BSKSA 11855 Ebrahim Al Hazzar, Eng-
 ineering. Radio Timbira 4975 J. Ferr-
 etra, International Correspondent.

VATICAN: Radio Vaticano 6015 and 9605 f/d
 "Anniversary" cd. in 41 ds. (George-NC).

VENEZUELA: Radio Valera 4840 f/d "Picture"
 cd. in 58 ds. for a SP rpt. and 1 IRC.
 Sticker rcvd. (Palmerheim-MN). Radio Yara-
 cuy 4940 f/d form ltr. in 76 ds. for a SP rpt.
 and ms. v/s Oswaldo Alvarez. (Connell-CA). same
 in 4 mo. for a SP rpt. and 2 IRCs. (O'Riordan-ID)

YEMEN ARAB REPUBLIC: Radio Sana'a 9780 ltr. in 160
 ds. for an EG rpt. (Gavaras-MN). p/d ltr. in 7 mo.
 for an EG rpt. (Barto-CT).

ZIMBABWE: Radio One 3396 via Gwelo f/d large white
 "Map" cd. in 4 mo. (Huniwell-NJ).

This month we had a total of @ 106 countries reported.
 Not too bad. There are more of you out there. Lets get
 those reports in to the column...Sam

NOTES: New NASWA member Nelson George wrote and said that he
 enjoyed the QSL Column very much. He likes the prompt replies
 from SRI, Radio Nederland and Taiwan. Serge Neumann writes

that he is once again hunting for
 those elusive QSLs. His 1982 goal
 is to verify his 200th country. There
 may be quite a few others with that
 same goal Serge....Hope everyone makes
 it! Baxter Hensley sent a registered air
 mail letter to Radio Malaysia - Kota Kin-
 abalu on June 19, 1981. He received it back
 unopened. The envelope was stamped TIDAK
 DITUNTUT. Does anyone know what this means?
 Thanks also go out to Dave Johnson and Bill
 Krenzinger for the nice letters...Sam.

We have a little space left so I'll put in a few
 reports that just arrived:

ARGENTINA: RAE 11710 p/d cd. in 29 ds. (Fordyce-NY).
 ASIATIC RUSSIA: Radio Moscow 7260 via Yuzhno-Sakhali-
 nsk f/d "Red Square at Night" cd. in 63 ds. (Rigas).

Esta tarjeta verifica su re-
 portaje. via Chris Lobdell
 Ud. escucho nuestra emi-
 sion del dia 4 de marzo
 a horas 19.21 GMT,
 en frecuencia de 6.105 KHz

Agradecemos su informe y
 su atencion a nuestras transmi-
 siones.



Radio Panamericana
 Casilla 5263
 La Paz-Bolivia

BELGIUM: BRT 17595 f/d "Flemish Art" cd. in 30 ds. w/ pennant. (Krist-VA).
 BELTZE: Radio Belize 3285 f/d "Map" cd. in 1 mo. for 2 IRCs. (O'Riordan-ID).
 CANADA: CHNX 6130 f/d cd. in 210 ds. (Fordyce-NY).
 CHINA: Radio Peking 11650 f/d "Memorial Hall" cd. in 42 ds. (Fordyce-NY).
 COSTA RICA: Radio Casino TIQ 5954 f/d cd. in 102 ds. for a SP rpt. Pennant rcvd. (Rigas-IL).

HRVC

1380 kHz
4.82 mHz

LA VOZ EVANGELICA
 Apartado 145-C
 Tegucigalpa, D.C.
 Honduras, C.A.

FARO DEL CARIBE

**RADIOEMISORA
CULTURAL**

San José - Costa Rica

via Ken Briscoe

**Iluminando
el Sendero
de la Vida**

**APDO.
2710**

DODACANESE ISLANDS: VOA Rhodes
 6015 f/d "40th Anniversary"
 cd. in 11 ds. (Fordyce-NY).
 EUROPEAN RUSSIA: Radio Moscow
 5920 via Armavir f/d "Flame"
 cd. in 67 ds. (Rigas-IL).
 7100 f/d "Hotel" cd. in 67
 ds. (Rigas-IL). 7360 via Mos-
 cow f/d "Moscow at Night"
 cd. in 67 ds. (Rigas-IL).
 11950 via Kazan f/d "Flame"
 cd. in 67 ds. (Rigas-IL).

Until next time.....
Sam
 Comunidad Radical S. A.
 Radio Lira



JERRY A. LINEBACK, Editor
115 Wroxton
Conroe, TX 77304

MARCH 1982

NOTE NEW ADDRESS!

We have moved again. Hope to be here for some time. Spotlight this time is on North America. Spotlight for next Scoreboard will be on Oceania. Deadline will be 15 May for the June issue. Remember, you must update once a year at least to keep your name in Scoreboard. Thanks to all those who shared their totals with us this time. C/H = countries heard. C/V = countries verified. All country counts are by rules set forth in the NASWA Radio Country List and Awards Program booklet.

Name, state	Total	NA	Best QSL	Name, state	Total	NA	Best QSL
	C/H	C/V	C/H C/V		C/H	C/V	C/H C/V
James Young, CA	226	214	23 19	W. Maxfield Greenwood, PA	189	(183	taped IDs)
John Tuchscherer, WI	226	226	26 CKFX	Vladimir Cucura, PA	187	102	
Ernie Behr, Ont.	224	202	24 21	Henry Lazarus, LA	186	178	21 19 Jamaica
Irving Johnson, CA	223	72	22 4	John Sgrulleta, NY	185	182	21 21 Greenland
Bob Padula, Aust.	220	213		C. Vernon Hyson, NC	183	164	23 23 Martinique
Edward Kusalik, Alb.	217	202	22 21	Jay Florian, IL	183	119	17 13 Martinique
Al Sizer, CT	216	214	21 21	C. J. Oprekar, Jr., CA	180	163	20 18
Bryan Clark, N.Z.	216	196	20 20	Charley Hoffman, PA	178	147	16 14 Greenland
Marlin Field, MI	215	212	22 22	Jerry Lineback, TX	178	104	17 12 Turks
Jerry Berg, MA	214	211	23 23	Martin Foltz, MI	176	129	20 19 El Salvador
Dan Robinson, DC	213	173	19 15	David Reitz, KY	176	110	16 13 R. Mil
Bill Sparks, CA	212	207	19 19	Hadley Cress, VA	176	8	19 1 Turks
Tom Williamson, Ont.	210	193	24 23	Scott McClellan, MI	175	17	17 CKFX
Serge Peter Neumann, AZ	209	188	22 22	Ron Howard, CA	173		20 Turks
Nobuaki Takahashi, Jap.	209	170	17 12	Mike Hardester, CA	173	151	18 15 Turks
Al Miller, OH	208	196	20 19	Brian Alexander, PA	173	73	18 8 WDAB
Joe DiLeo, CT	208	195	21 21	Henry Ward, Que.	172	151	27 27 Martinique
Tom Gavaras, MN	207	177		Arnold Defeyter, MI	172	147	17 14 Swan IS
Victor Jaar, Que.	206	4	22 1	Neil Wolfish, Ont.	172	109	17 14 Nahuala
James Koren, NC	204	188	20 20	Steve Reinstein, FL	172	59	16 7 R. Confusion
William Flynn, CA	204	185	22 22	Charles Wootten, Italy	171	146	14 12 Turks
Harry Jones, VA	204	105		John Huniwell, NJ	170	158	20 19 R. Belize
Neal Perdue, AL	204	57		Jim Davis, CA	170	119	14 10 Reloj
George Sherman, MN	202		19	Robert Fleck, TX	169	140	18 14 R. Belize
Michael Dayen, MN	203	170	18 17	Andre Pineault, Que.	165	136	18 16 Greenland
Terry Krueger, FL	201	118	20 16	Robert J. Vance, TX	165	135	17 15 Newfoundland
Al Niblack, IN	200	130		Ralph Alm, B.C.	165	112	14 11
Don Moore, PA	199	145		Jerry Johnston, KY	165	97	
Dave Valko, PA	197	147	14 11	Gordon Blom, NY	164	135	18 16 Swan IS
Brett Saylor, PA	197	135	18 14	Walter Kunz, PA	162	75	16 8 VoPyramids
Brian Cartwright, PA	197	41	15 6	Dan McCarthy, FL	160	136	19 17 Swan IS
Chris Lobdell, MA	196	188	22 20	John Kapinos, MA	159	133	
Larry Abraham, MI	196	176	21 20	Kevin Meyer, KS	158	110	
Sholom Glikzman, IL	196	158	18 14	Bryan Price, KY	158	88	
Terry Klasek, MO	195	184	19 19	Stephen Leite, MA	156	132	16 14
John Fisher, Ont.	195	153	20 17	John Meyer, WI	156	115	
Mike Ryan, CA	194	162		James McClure, KY	156	91	16 13 CKFX
William Krause, MN	194	134	17 14	Walter Dittrich, FL	155	129	16 15 CHNX
Jim Uerlings, OR	192	44	17 4	Bruce Ewenstein, NY	155	91	17 10 4VEH
Paul Buer, FL	191	171	21 19	Morley Kirkland, Ont.	154	132	

Name, state	Total		NA		Best QSL	Name, state	Total		NA		Best QSL
	C/H	C/V	C/H	C/V			C/H	C/V	C/H	C/V	
Baxter Hensley, TX	152	133				Gerald Clark, IN	76	60	10	5	XERMX
Robert Beaudoin, CT	151	117				George Tokarchick, NY	75	56	6	1	
Terry Colgan, TX	151	55				Al Schlaugat, WI	73	61	10	10	R. Belize
Tom Overcamp, SC	147	126	17	16	Turks	James Lonscale, FL	71	65	12	11	R. Belize
Charles Connell, CA	147	108	19	13	Haiti	Don Warner, OH	69	32	15	1	
Dave Maxfield, MI	150	15				Eric Mayer, OH	68	39			
Robert Viau, Que.	144	126	16	12	Martinique	Antonio Fernández, PR	66	30	12	5	Mexico
Phillip Wala	144	107	16	14	R. Belize	Ed Dye, AR	65	37	6	3	VoA
Tim Hall, CA	142	109	15	15	CKFX	Michael Laird, MO	63	47			
Andy Leskowitz, MA	142	95	15	9	4VEH	Paul Janto, NY	63	35			
James Fordyce, NY	141	82	16	9	R. Mexico	Edward Overstreet, GA	62	50			
Daniel Wiens, NH	140	7				Michael Monaco, NY	60	37	10	6	CKFX
Wm. R. Smith, DC	139	60	15	7	4VEH	Peter Giacomelli, NY	59	43			
Kim Hilliker, CA	136	100	14	10	R. Belize	Thomas CcCasland, KS	59	32	10	5	Bonaire
George Link, CA	135	106				Bob Gunderson, MN	57	37			
Paul Choroszky, ME	135	99	15	13	R. Belize	Terry Ward, IA	54	46			
Mac Leonhardt, IN	133	70				Karl Niehaus, OK	50	1			
Don Moman, Alb.	131	43				Jack Nibecker,	60	35	10	5	Canada
Gilles Michaud, Que.	130	50				Jal., Mexico	(sorry, out of order)				
Edward Pyatt, GA	128	116	13	10	XEXQOC	Paul Lerner, NY	48	41	4	4	VoA
Ken Loh, AZ	127	84	15	10		N. L. Hawthorne, MI	47	27			
Gene Eastman, TX	127	71	16	11	Voyager	Sally Owens, OR	42	23			
Kenneth Briscoe, IN	127	56				Dan Miller, WI	41	4	5	0	
Timothy Noonan, WI	125	98	14	11	Nicaragua	Thanks to all those who contributed this month. Please share your progress in the hobby with us through Scoreboard.					
Raymond Whitman, Que.	124	103				Next deadline is 15 May 1982. Spotlight will be on Oceania.					
Kelvin Watts, Aust.	124	88	1	1	CKZU	If you do not find your name here this time, you probably failed to update in the past year.					
Shawn McDaniel, IN	123	24				See you next time, 73s <i>JAF.</i>					
Austin Kelly, IL	121	83	17	12	Windward						
David Sedgely, CO	120	96	11	10							
Chris Clayton, UT	119	29									
Christos Rigas, IL	118	87	17	12	El Salvador						
David Benner, IN	114	79	15	12	R. Belize						
Mike Brooker, Ont.	113	85	14	11	CKFX						
Bill Algeri, PA	113	78	12	9	VoA						
Robert L. Woods, VA	112	42	16	4							
Paul House, OH	109	64									
Gilles Michaud, Que.	107	52									
Pete Grenier, CA	105	74	16	10	WRUL						
Jim Thornton, CA	105										
R. Harrington, CO	104	64									
Bill Taylor, PA	101	76	14	10	CKZN						
Dale Park, HI	101	29									
Norm Newhall, CT	99	91			CHNX						
Bill Leal, Ont.	96	65	10	8	TIFC						
Daniel Sampson, WI	96	65	15	10	Greenland						
B. Benkovich, B.C.	93	52	11	7	R. Habana						
Leon Kanopka, NY											
Stephen Knuddle, RI	92	43									
Chris Fygett, Ont.	90	65									
Alan Zeichick, ME	90	57									
Jim Shaver, OR	85	63									
Don Saunders, NJ	84	69	11	9	R. Belize						
Jim Green, AL	81	66									
Jerry Schmidt, WI	79	54	9	5							
Richard Dale, MO	79	30									
John Lentz, WI	78	51									
Louis Sica, Jr., NJ	78	28	11	4	R. Belize						
Eric Jaderlund, WA	78	27	12	3	R. Cultural						
Ron Tekulve, Jr., OH	77	56	11	7	Havana						
Paul Brouillette, MI	76	62	12	11	R. Mam						

update

April 1982***Number 112

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

UPCOMING DEADLINES: 9 April (Mid-April) 18 April (May) 10 May (Mid-May)

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

- *****BOLIVIA** R. Nac. Cochabamba presumed, 5974, in SP 1017-40; difficult copy. Mostly piano mx w/ anncmts by M&W. Religious talk or sermon 1023-27. Could not get ID. (Henry Lazarus, LA 3-10)
- BOTSWANA** Gaberones, 4845, in lang 0415; good. M&W anncrs, talk pgm. Good African night. (Stu Klein, NJ)
- BRAZIL** R. Cl de Conquista, 3335, in PT 0015-0105; weak w/ CHU QRM. Anncmts by M&W, PT and US pop mx including Bette Davis Eyes but mostly soft PT material. (Brian Alexander, PA 3-11)+++
Rdf Maranhao, 4756, in PT 0750; very good. PT pop mx, M anncr, TC, ad string, ID and more mx. (Klein, NJ) +++R. Rural Santarem, 4765, in PT 0845; fair. PT pop mx, M anncr, talk, mention of Santarem, more similar mx. (Klein, NJ) +++R. Ribamar, 4785, in PT 0805; good. PT pop mx, M anncr, mention Sao Luiz, TC/ID, more talk and mx. (Klein, NJ) +++R. Nat. Boa Vista, 4835, in PT *0900; very good. Vocal NA, M anncr, s/on talk w/ many RN IDs. (Klein, NJ)
- CAMEROUN** Bafoussam, 4000, in FR 0450; fair w/ ARO QRM. M anncr w/ talk on local items, probably local mx. (Klein, NJ) +++ Yaounde, 4850, in FR 0435; fair. IS, "Vous ecoutez Yaounde," into NA and local drums. (Klein, NJ)
- CENT. AFR. REP.** Bangui, 5035, in FR 2250-2300*; classical piano mx, "Hallelujah," and NA at 2259. (Alexander, PA 3-7)
- CHILE** RN de Chile, 6150, in langs to 0402* w/o anthem. Fair. Gives multiple ID, SW and FM freqs prior to anthemless s/off. Fair. (Serge Neumann, AZ 3-3)
- COLOMBIA** R. Neiva, 4855, in SP 0015-35; strong but ORMED badly. Talk, anncmts, ads and ID w/ mention of freqs. (Alexander, PA 3-10)+++ LV Cinaruco, 4865, in SP 0910; fair. M anncr, Caracol plugs, IDs, ordinary mx mix. (Klein, NJ) +++ LV del Norte, 4875, in SP 0410; very good. Local pop mx, M anncr w/ frequent ID/TCs. No sign of Super. (Klein, NJ)+++ Em Meridiano 70, 4925, in SP 0150-0200; good. Local mx, anncmts by M&W. Mentions of Colombia and "Meridiano Setenta" IDs. (Alexander 3-10, 11, 14) +++ LV del Llano, 6115, in SP 1126+; strong. M w/ notices, announcement for Llano. Many "atencions". Nx delivered in rapid fashion. (John Herkimer, NY)
- COSTA RICA** R. Nacional, 6035, in SP 1133; very good. Nx, TCs and frequent IDs. (Jack Jones, MS 3-10)
- ECUADOR** R. Progreso, 5061, in SP 1120; good. ID, talk. (Jones, MS 3-16)
- EL SALVADOR** R. Nacional, 9553, in SP 0130-0210; poor. Speech by M, SP and US pop mx. ID as "Radio en Salvador." No sign of // 5980. (Alexander, PA 3-7)
- GREECE** VoG, 14595, in GK 0215-35 3-15. Good sig // 9865, 11730 but 14595 off abruptly at 0234 and then 15595 on 0236. Oops! Following night back to normal 15595 w/o 14595. Tnx Agner. (Alexander, PA 3-15)
- KENYA** VoK 4934, in lang 0358; tough. African tribal mx, nice beat but tough copy. (Andy Leskowitz, MA 3-15)
- LESOTHO** LNBS, 4800, in almost nightly from *0400. Choral mx at s/on, religious talk in verns, and nx 0415 atop the Ecuadorian. (Herkimer, NY)
- PAKISTAN** RP, 17640, in EG, Urdu 1540-1620; excellent. Lovely native vocals into EG ID and dictation speed nx at 1600. (Leskowitz, MA 3-10)
- PERU** R. Atlantida, 4790, in SP 0430; very good. LAM mx, M anncr w/ ID stn hype and more mx. (Klein, NJ) +++R. San Martin, 4810, in SP 1010; weak. Two Andean mx selections by high-pitched ***w vocalist then anncmt and ID by M. (Klein, NJ)+++R. Amazonas, 4815, noted as follows: on 3-11 0503-0615 mostly w/ LAM mx w/ flutes, drums and vocal groups. Frequent anncmts by M. ID 0504 including calls and freqs, including OA 8 X for sw and mention of "deade la ciudad de Iquitos." Strong sig but UTE QRM. And on 3-13 noted in SP 0640-0700* w/ similar format, s/off anncmts 0655, choral NA 0657 and off 0700. Less interference from UTE. (Bazarus, LA 3-13)---Same very tentative 0510 tnx Lazarus. Poor in UTE QRM. Fluttering in and out. Andean and LAM mx, M anncr w/ partial ID. (Klein, NJ)+++ LV de la Selva, 4825, in SP 1002; fair in UTE QRM. High Andean mx w/ much yipping, flutes, to M anncr w/ ID and more of same beautiful mx. (Klein, NJ) +++R. Tropical, 4935, in SP 1052; ads for Tarapoto and San Martin. Mostly ads and a little mx. (Herkimer, NY) +++R. Oriente, 6190, in SP 1128; good but fading fast. ID and local mx. (Jones, MS 3-10)+++R. Chota, 6296, in SP 0103; beautiful mx in many great styles. (Herkimer, NY) +++ R. Tacna, 9485, in SP 1103 w/ slick pop mx, brief IDs and slogans. Poor and going fast. (Herkimer, NY)
- PIRATE** WPOT, 3485, in EG 0312-0402 w/ new ID: "This is commercial free all the time WPOT, SW mx Radio." (Kraig Krist, VA)
- *****POLAND** RP has resumed its Nam Service; noted again 0200 on old freqs of 15120, 11815, 9525, 7270, 7145 and 6095. Format and reception problems no different from before the hiatus for martial law. (Krist, VA)---Same, 15120, 0159-0233 in EG in resumed Nam Service. Returned to air as of 3-9 at regular times and freqs. Internal nx of easing martial law and accusations that

western imperialism was responsible for Polish problems. Etc., etc., etc. (Ken Briacoe, IN)
 S. AFR. R. 5, 3250, in EG 0409; soft rock and EzL mx w/ IDs, annmcs and ads by M. (Lesko-
 witz, MA 3-10)

SRI LANKA SLBC, 9720, in EG 1350; comment by W on plans for large civic center followed by
 learning to count in Sinhala! (Leskowitz, MA 3-10)

USSR RM, 4860, in EG 0321; good. Nx, comment on alleged US meddling in El Salvador. Feeder?
 (Jones, MS 3-10) *** Yes. tba

VENEZUELA LV de el Tigre, 3256, in SP *0956; good. Choral NA, ID, calls, freqs. (Jones, MS
 3-9) ***They didn't stick with the other ID very long! tba

ZIMBABWE Voice of Zimbabwe, in EG 0406 on 3996. ID given during nx. (Jones, MS 3-9)***Jack,
 do you mean 3996 as freq for this one? tba

MISSOURI AND LATE ARRIVALS

CUBA LV de CID, 5104, in SP 0135-0210. US rock mx, "Musica Libre" pgm w/ M DJ. Clear full IDs
 0135, 0200. Weird sound effects and bell IS and "Atencion Cuba." Then martial mx, full ID
 and into nx. Excellent strength but very distorted audio. (Leskowitz, MA 3-17)***Can't ever
 recall this one being down this low. Suspect a spur of some kind. tba

BELGIUM Jim Conrad called to say that I'd goofed in listing the BRT M82 freqs in UD 111.
 11695 is to NAM and 15360 to LAM, rather than the other way around as I'd previously put it.
 tba

A special item from Ralph Perry:

EQ. GUINEA 6250, R. Nac. Guinea Ecuatorial, finally a OSL letter after 15 YEARS of reports
 first to Santa Isabel, then Malabo and now to R. Nacional. Several very friendly letters rcvd
 from Sr. Matias Ovono Engonga, stn staff worker who confirmed my taped report. "My dear friend,"
 he wrote, "we have been here without power to contact other countries for many years, and tnx
 to our (new) president who has opened to us once again the doors of liberty, we can now con-
 tinue relations with other nations. . . . It pleases me much to receive letters, telling me
 of reception of our programs, explaining how well our signals reach your site." Condensing
 the rest of his letters, he claims he wrote other times but suspected (correctly) that his
 letters were not reaching me. Said his intentions are good but that he was very busy and
 couldn't often find time to correspond with foreigners. Also: "Here in our stn of the national
 radio we have made a special program intended for the exterior to please our radio listener
 friends. The days of this space are Thursdays and Saturdays each week about 10:30 pm, and
 your name frequents this program." Matias also sent a postcard of the Gulf of Guinea coastline
 at nightfall. Correct address: Sr. D. Matias Ovono Engonga, Radiodifusion y Television de
 Guinea Ecuatorial, Rep. de Guinea Ecuatorial.

Finally a reminder for all of you from yr ed: PLEASE DO NOT LUMP REPORTS OF MANY STNS INTO
 A SINGLE REPORT FOR UD. In other words, each stn constitutes a separate UD item and should
 be separated from all other stn-items from that country. I can't vut up bulk items and
 am liable therefore only to use the first one you send unless you separate them stn by stn.
 Please help me out this was.

Best of 73,

FOR SALE: Realistic DX-100 in great shape, less than one year old. Perfect for
 the Beginner. Price \$50.00 pre-paid. I pay shipping. Joseph Fazalare, 3639
 N. Richmond St., Chicago, IL 60618. Phone (312) 478-6914.

NOTICE: Shevonne Abraham, clerk typist at Radio Belize, would like to corres-
 pond with males 22 years old and up. Her address is 12 Mopan Street, Belize
 City, Belize.

FOR SALE: A-Tronics KCR-101 Code Reader Kit assembled and in 100% working
 order. Five to 50 wpm. Reads 26 letters, 10 numbers, 5 pun. Price was \$154.00
 in kit form, asking \$100.00 firm. Frank J. Kosciak, 4529 S. Clinton, Forest
 View, IL 60402.

NO COLLECT CALLS FOR THESE ADS, PLEASE!

log report section

1600-4899



STU KLEIN

642 Cranbury Cross Road, No. Brunswick, NJ 08902 USA (201)846-1582 0100-0430 only!

After 2 1/2 years of superlative effort, Terry has turned over the reins of the column to me... I hope that I can do as good a job as he did. The column is being done on a computer programmed for word-processing, which gives me somewhat more flexibility in producing it than with conventional typing. I hope that you like the new look! Suggestions are welcome.

- 2370 FALKLAND IS. FIBS; 0045 OM & YL/ann w/Brit accent. 0100 stock market report. Radio newsreel 0115. 0139 OM listing tomorrows px, 0135 off w/GSTQ (Sams,2/3)
- 2400H VENEZUELA R.Tiempo; 0334 SP OM/ann, fast tlk, & mx(Manning,2/27) 2x1200--sdk
- 2475 CHINA Hangzhou PBS; 1330 CH px(Neumann)
- 2490 BRASIL R.Educ. Rural Coari; 0001 PT pops, MoR mx, ID, good sig(Sams,2/9)
- 2746 KOREA,N R.Pyongyang; 1345 KR f, //2850 better. 4 pips on hour(Neumann,2/16)
- 2766 KOREA,N UNID; 1355 in KR(N.Korea listed)(Neumann,2/16)
- 3200 SWAZILAND TWR; 0325 Af mx, lang tlk by ann, qrn(Valko,2/3) Sotho sked--sdk
- 3205 BRASIL R.Riberão Preto; 2226 PT M/ann w/full ID. f(Bolland,2/24)
- 3208 MOZAMBIQUE Maputo; Regional svce w/PT M/ann, lcl pops, good level. Also note three TWR outlets on 90m(Wiseblood,3/3) Time?!--sdk
- 3210 MOZAMBIQUE Maputo; 0323 PT pops & disco, ID by M. f(Valko,2/3)
- 3215 CELEBES RRI, Manado; 1359 SCI, ID, ux, mx(Zilmer,2/24)
- 3222T TOGO Lama Kara; 0610 FR Tlk by 2 M & 1 W, then Af song w/drums 0623. No ID heard(Lazarus,3/2) ↑(Klein,3/15)
- 3225 BRASIL Lins R.Cl.; 0820 PT Pop & samba mx,M/ann w/TC/ID/tlk, more mx.f/QRN↑
- 3225 VENEZUELA R.Occidente; 0115 Lam pops, SP TC/ID(Sica,1/30) 0300T(Krause,2/28)
- 3240 ECUADOR R.Antena Libre; *1100 NA, s/on SP ID, mx, NA. No sign America. f(Alexander) 1100 mx px & ID(Field,2/24) *1059 NA, ID(Bolland,2/27)
- 3240 PERU R. América; 1021 SP M&W w/discourse, TC/ID. f(Bolland,2/8) 0638 M/ann w/ID (Valko,2/14) 1010 Lam ballads(Sica,1/25) 1035 tlc //6010(Field,3/2)
- 3240 SWAZILAND TWR; 0340 w/rcl bcst in lang. g(Field,2/26)Shangaan sked--sdk
- 3250T BORNEO RRI,Banjarmasin; 1310 Mx foll by M in lang. wk(Krause,2/19)
- 3250V ECUADOR LV del Triunfo; 1109 SP annmts, mx, ID/TC. vg(Forth,2/26)
- 3250 HONDURAS R.Luz y Vida; 1105 s/on w/ID, tlc, ranchera mx, faded 1118(Field)
- 3250 SOUTH AFRICA R.Five; 0405 Pop mx, ads(Lexington tobacco), ID/TC. g(Valko,2/2) 0407 mx(Manning,3/1) 0359 mx(Wilkins,2/26) ↑(Field,2/21)
- 3255 VENEZUELA LV de El Tigre; 1014 SP ada, ann by M/ann, TC/ID. f(Bolland)*1000↑
- 3259T JAPAN NHK-Sendai; 1144-1300* Trad JP mx, radio drama & JP px. f(Howard,Feb)
- 3261 ECUADOR LV del Rio Carrizal; 0327* SP ID, call, freq, NA & off. f(Jones,2/24)
- 3270 SOUTHWEST AFRICA R.SWA; 2320 nonstop rock, clear EG ID, faded fast(Reinstein)
- 3277.1T KASHMIR R.Kashmir; 1250 Chanting, foll by M&W tlc, lang, foll by more chanting. Tux Dayen tip(Krause,2/6) Sans ID it must remain tent--sdk
- 3280 ECUADOR LV del Napo; 1015 F/ann, lang, w/Ind tlc, to rustic hi-Andes mx sels. vg(Klein,3/15) 1003 Quechua M, mx, ID. g(Bolland) 1010 Sun morn rel svce (Leskowitz)1004 ID, tlc(Forth) 1003 ID(Alexander) 1110 under ute(Herkimer)
- 3280T MOZAMBIQUE Beira; 0335 Af mx & short PT tlc, bad UTE QRM(Sams,2/3)
- 3285 BELIZE R.Belize; 0300 Relaying BBC EG xrcast. f(Zilmer,2/21) 0400 pops (Manning,2/21) 1155 marimba mx, 'Voice of Dawn' EG rel bcst 1200(Field,2/25) 1105 prayer(Choroszy,2/12) 1140 pop mx(Sica,1/25) 1200 pops(Krause,2/6)
- 3285 ECUADOR LV del Rio Tarqui; 1006 SP M/ann w/ID, rumba mx. vg(Krueger,2/25) 0805 HC mx(Alexander,2/21)1030 SP M w/TC, mx, comments. f(Bolland,2/8) 1035 mx, tlc, UTE QRM(Valko,2/18) mx, ID(Field,2/21) 1055 thru OC on freq(Jones)
- 3295 BRASIL UNID; 2335 PT mx, M/ann w/cmts betw sels, no ID(Bolland,2/24) Iguatemi or Tapuió here, former more likely--sdk
- 3305T TIMOR RRI,Dili; 1300 Man in lang, foll by mx, gone by 1315. f(Krause,2/19) See Mar LR-A...Bandung(Java) also rptd here. Any help from WCNA?--sdk
- 3306 ZIMBABWE ZBC; 0403 EG mx, ID, tlc. f/p(Manning,2/28) 0400 mx(Sams,2/17)
- 3315 BRASIL R.Assunção; 2310 National nx px, PT, ads, ID 2315. g(Krueger,2/26)
- 3315 INDIA AIR-Bhopal; 1645 tlc in HD, into HD mx at 1700. f(Darling-UK,1/24)
- 3322.5 PNG R.No. Solomons; 1038 rel svce thru bad UTE QRM(Leskowitz,2/28)
- 3325 GUATEMALA R.Maya; 1127 Lam mx, SP ID/TC 1130, rel px(Leskowitz,2/28) *1036 (Bolland,2/9) *1057(Field,3/6)

- 3325 BORNEO RRI, Palangkaraya; 1357 SCI, ID, probable IN nx, lcl mx (Zilmer, 3/3)
- 3330 PERU Ondas del Huallaga; 1036T mx, TC, part ID. p (Bolland, 2/8) 1016 mx px, ID, lost 1100 (Field, 2/26)
- 3331 UNID 0303 Unaccompanied Koran chanting in ME lang. 0318—more undistinguished vocals, fading. No trace 3367, not sure if the same one. g/CHU het (Krueger, 3/8)
- 3339T ZANZIBAR R. Tanzania-Zanzibar; 0340 Af mx & AR style chanting. Faded by 0340, Maputo above on 3344 (Sams, 2/17) This is rather late for this station—in the absence of a positive ID, one should be cautious—sdx
- 3340 BRASIL UNID; 0148 PT rel bcst, QRM de CHU. 0200 ID—'Emisora...ondas curtas...kilo...' f (Field, 2/27) any ideas on this are welcome—sdx
- 3356 BOTSWANA R. Botswana; 0400 YL w/Setswana tsk. //4845. Ute QRM (Sams, 2/8)
- 3360 GUATEMALA LV de Nahualá; 0245 usual marimba sels, ID, etc, to 0302* (Jordan)
- 3365 INDIA AIR—Delhi; 1305 Sub-cont mx, tsk in Ind lang (Sams, 2/2)
- 3366 GHANA GBC; 2240 Choral mx, EG ID, NA at 2245, more choral mx, to 2306*. f/wk sig (Alexander, 2/24) 0621 EG ID by M/ann, public notices (Clift, 1/23)
- 3367T IRAQ Hurriyah; 0308 Orch mx, ME lang (not AR, close to Farsi), many ment Iraq, Koran quotes, no ID. Tx Wilkerson/Reinstein (Krueger, 2/23) *0257T IS, long tsk in non-AR lang (Reinstein, 2/24) ↑ (Reinstein, 2/19)
- 3370T MOZAMBIQUE Beira; 0341 PT M/ann betw Af pop mx sels. F/out 0358↑
- 3375 BRASIL R. Nel. São Gabriel; 1004 PT M tsk, cmts. g (Bolland, 2/7) 0255 PT pops (Jordan, 2/14) 1015 OM tsk (Leskowitz, 2/28) 0915 PT M w/few comments and mx. p/QRM (Bolland, 2/27)
- 3380 ECUADOR R. Iris; 1010 SP M w/TC, ID. g (Bolland, 2/8) 1100 nx, TC (Sica, 1/25)
- 3380 GUATEMALA R. Chortis; 0247 marimba mx, SP OM/ann w/ tsk, more mx (Jordan, 2/14)
- 3380 MALAWI MBC; 0410 M whistling, drums, native yelling. Chichewa M ann. Good day for Africa (So) reception (Valko, 2/5)
- 3385 FR. GUIANA FR3, Cayenne; 0918 FR M/ann w/rock mx, comments, MoR mx. p (Bolland)
- 3385 NEW BRITAIN RENB; 1245 island mx, M/ann in PD, s/off ann & NA, 1300* (Krause)
- 3385.1 BALI & LESSER SUNDAS RRI, Kupang; 1345 IN pops and ann. p/RTTY QRM (Darling-UK, 2/1) 1320T tsk by M/ann (Krause, 2/21)
- 3395T PNG R. Eastern Highlands; 1151 US pops, EG tsk by M/ann betw sels. Also note other PNG 3205, 3275, 3322, 3335, all f (Reinstein, 2/23) ↑ (Billier, 2/8)
- 3396 ZIMBABWE ZBC; 0405 EG W w/nx, ID as 'Voice o Zimbabwe'. Rapid fade†
- 3400 CHINA FPBS-2; 1250 usual CH class mx, //3200. vg (Krause, 2/6)
- 3905T ADMIRALTY IS. R. Manus; 1135 island mx w/drums, OM ann (Leskowitz, 2/28)
- 3910 JAPAN FEN; 1345 pop mx, EG nx, ads. f (Zilmer, 3/3)
- 3925 JAPAN NSB; 1230 JP OM tsk, //6055. Is this from Tokyo or Sapporo? Suspect the former. g (Nikolich, 3/2) latter is listed xmtr site—sdx ↑ (Reinstein, 2/27)
- 3930 CAPE VERDE IS. Voz de São Vicente; 2327 dull MoR inst mx to 2358 NA 6off.†
- 3930 TRANSKEI Capital R.; 0230 US/Euro pop tunes, M/ann, EG, w/IDs, ads, etc. Occ // 11750. g, sans ARO QRM (Krueger) 0345 EG rock mx, phone-in requests, TC/IDs (Sams, 2/3) ↑ (Darling-UK, 1/24)
- 3946.1M INDONESIA RRI, Tanjung Karang; 1545 IN pops and lite mx, close w/SCI at 1558. Wk, but clear copy of closing ID as above, not Denpasar or Kupang listed†
- 3950 KUWAIT R. Kuwait; 1900 dom svce w/AR tsk & mx, //9840. g (Boll de BBC 3955. Tx Karagiannis for tip (Darling-UK, 2/26, 27)
- 3974.7M JAVA RRI, Surabaya; 1635 non-descript IN mx, abrupt ID y M 1659 & off, no SCI (Darling-UK, 1/23)
- 3985 ECUADOR Esc. Rad. Pop.; 1043 SP cmt y & full ID, rel px. g (Bolland, 2/20)
- 3985 SWITZERLAND SRI; 0613 FR ID, Swiss folk mx, FR nx. //6165, 9535. g (Clift)
- 4000 CAMEROON Bafoussam; 0450 FR M/ann w/ tsk on lcl items. f (Klein)
- 4000.2M CELEBES RRI, Kendari; 1500 Jakarta nx relay // many other outlets. Under very bad het (Darling-UK, 1/24)
- 4450T AFGHANISTAN R. Afghan.; 0100 Asian/ME mx log (Leskowitz, 3/1)
- 4520 UNID 1048 SP ann w/ tsk, TC (GMT-5) (Sams, 2/12) Reported in this same period is the 4th harmonic of R. Neiva (HJ), 1130—sdx
- 4608.5 SAO TOME R. Nac.; 0609 mx, pops, PT OM/ann. p (Robertson, 2/24)
- 4610T USSR Khabarovsk; 1235 class mx, some vocals, no ann (Valko, 2/10)
- 4635 TADZHIKISTAN Dushanbe; 2355 tx tones, to RS tsk & mx at 0010. wk (Leskowitz)
- 4656.4 ECUADOR CRE; 1125 SP tsk, ads, ment Guayaquil (Lineback, 3/10) 0321 mx (Sarkisian 2/24) 0345 soccer (Boone, 2/23)
- 4680 ECUADOR R. Nac. Espejo; 0410 SP ID, ads, pop mx (Boone, 2/23)
- 4687T VIETNAM Gia Lai-Kon Tum; 1247 VN OM w/ tsk, string mx, long fades (Sams, 2/13) Last log found for this was from WCNA, last Oct, agreeing w/ listed 1215*—sdx
- 4697T BOLIVIA R. Riberalta; 0330 Bol mx, some breaks w/SP M tsk. Over one hour no ID noted. Faded 0355 (Billier, 2/8)
- 4710T PAKISTAN Quetta; 0151 lang Tsk by M/W to 0200, foll by apparent nx by M/ann to 0210, then tsk by W to 0215. Presumed (Lazarus, 3/2) 0158 Urdu chanting (Bolland, 2/27)
- 4719 CELEBES RRI, Ujung Pandang; 1043T gamelan mx (Leskowitz, 2/28) 1230 pop mx (Krause, 3/7) 1026 IN W/ann w/mx and comments, then chanting. f (Bolland, 2/7) 1120 IN YL tsk, lcl mx sels, ID 1129 (Hensley, 3/1) Hi Baxter!—sdx

- 4725T BURMA BBS; 1240 long CH tlc, clear this AM(Sams,2/2) But indig langs sked in this time slot, not CH--sdk
- 4730 BOLIVIA R.Abaroa; 0425 nice Andes flute mx, ID, NA & off 0428*(Valko,2/1) 0350 ID(Sams,2/10) 2345T tlc, mx(Leskowitz,3/1)
- 4735 CHINA Urumqi; 0010 Regional mx w/strings, percussion and shrill YL, EIR at 0030 and into Uighur(listed) tlc. f(Reinstein,2/25)
- 4740.0 AFGHANISTAN R.Afghan.; 1300 strident ann w/slogans, then presumed nx. f (Lineback,2/13) 0130 time pips, ID(Cucura,2/22) 0134T chanting(Bolland,2/22) 0237T tlc(Sica,1/23)
- 4754 MOZAMBIQUE Maputo; 0350 Xylophone IS 3x, EG ID, IS repeats, PT ID. EG nx 0400. Hrd this note only!(Reinstein,2/18)
- 4756 BRASIL Rdf.do Maranhão; 0750 PT pop mx, M/ann, PT, w/TC, ad string, ID, more of same mx. vg(Klein,3/10) 1020 PT Sunday morning service. g(Leskowitz,2/28)
- 4760 SWAZILAND TWR; 0315 ID, rel mx & tlc(Sarkisian,2/24) 0319 tlc(Caiki,1/20) Shona sked in this time slot--sdk
- 4760 VENEZUELA R.Frontera; 1045 ID, typ YV mx. Bad het(Jones,2/26)
- 4765 BRASIL R.Nal. Cruzeiro do Sul; 0446 Native mx, full ID, PT, at 0504 p/cochannel another Brazilian(Choroszy,2/21)
- 4765 BRASIL R.Rural Santarem; 0845 Braz pops, 0900 PT ID, jingles(Alexander,2/21) 0845 PT pops, M/ann ment Santarem(Klein)
- 4765 LIBERIA ELWA; 2150 EG rel mx & stories(Sica,1/29) 2202 VOA nx in spc EG(Choroszy,2/21) 2252 EG rel tlc(Bolland,2/24)
- 4770 VENEZUELA R.Mundial Bolivar; 0320 LAm pops, SP TC/ID(Sica,1/29)
- 4770T KOREA, N KCBS; 1230 M&W/ann w/KR tlc, Asian vocals. Presume the reactivated powerhouse. g(Krueger,2/16)
- 4770 NIGERIA FRC,Kaduna; 0600 ID, network nx from R.Nigeria(Boone,2/13) 0501 nx (Sica,1/14) 0421 Af mx(Manning,2/21) 1px. f(Sica,1/24)
- 4777 GABON Libreville; 2215 FR M/ann w/only tlc. f(Bolland,2/2)2115 FR dramatic†
- 4780 VENEZUELA LV de Carabobo; 1047 SP ads, mx, TC. Het off Juticalpa(Bolland,2/4) 0340 mx(Firnat,2/19) 0240 mx(Samuel,2/11)
- 4781.1 HONDURAS R.Juticalpa; 1202 ads, ranchera mx, SP ID. f(Lineback,2/12) 1103 ranchera(Choroszy,2/9) 1050 mx(Bolland,2/4)
- 4785 BRASIL R.Ribamar; 0805 PT pops, M/ann, PT, w/tlc ment São Luiz, TC/ID, more tlc and mx. g(Klein,3/10) 0511 PT tlc, ID, lcl mx. f(Choroszy,2/12)
- 4785T TANZANIA R.Tanzania; 0306 SH Vocals, tlc, vy. poor!(Robertson,3/5)
- 4790 PERU R.Atlántida; 0225-0400, 0910-1100 usual mix of mx and ann(9 rep!)
- 4795 ECUADOR LV de los Cárds; 0315 Cont LAm mx. Short SP annt/ID 0351, more LAm mx. Closing ann/ID/freqs, to 0402*. g(Alexander,2/14) 0215 semiclass/class mx, SP ID/TC. f(Lineback,2/11)
- 4797A BOLIVIA R.Nueva América; 1045 Bol mx, full SP ID 1110. f(Howard,2/22)
- 4800T LESOTHO R.Lesotho; 0402 NA, W/ann w/s/on in Sesotho, into hymns(Wood,2/5) *0400 NA, hymn, prayer, lcl mx(5 reporters)
- 4800 VENEZUELA R.Lara; 0020 SP ID, EZ mx(Kimmel,1/31)
- 4801 ECUADOR R.Pop.; 0402 Fast LAm mx, M/ann in SP. g(Krause,2/22) 0435 SP Mx px, ID by M(Marker,2/27) Giving a few more details never hurts, hi!--sdk
- 4805T BRASIL Rdf.do Amazonas; 1035 PT M/ann w/cmty. f(Bolland,2/7) with two Braz on this freq and no ID, it must be listed as a tent log--sdk
- 4810 GALAPAGOS LV de Galápagos; 0100 HC mx, lots of SP tlc over mx, some fading. ID 0033(Biller,2/8) 0032 tlc & ID(Cucura,2/15)
- 4810 PERU R.San Martín; 1010 Hi-pitched F/voc Andes mx sels(2), to OM/ann, SP, w/ID (Klein,3/11) 1035 Peru mx(Bolland,2/7)
- 4811 GABON Af#1; 0530 Fr pops & ballads, IDs(Sica,1/24) 2233 ID(Krist,2/21) 0501 mx(Sharpe,2/21) 2223 Jungle mx from the bush(makes sense--sdk)w/FR comments from an echo chamber-weird!. g(Bolland,2/2)
- 4815 COLOMBIA R.Guatapuri; 0250 mx & SP ID(Samuel,2/24) 0221 mx(Marker,2/11)
- 4815 PERU R.Amazonas; 0503 Noted M/ann, SP, w/ID-"R.Amazonas, OA-8X,...desde la ciudad de Iquitos..." and playing LAm mx. Also noted w/s/off at 0700*. f/p,UTE QRM(Lazarus,3/11) 0510T wk, LAm mx, part ID, tnx Lazarus(Klein,3/14)
- 4815T UPPER VOLTA Ouagadougou; 0635 FR tlc by M/ann to 0642, then Af mx, apparent ID, TC 0644. (Lazarus,3/2) 0530 FR nx, IDs at 0555 & 0630, Af mx. f(Biller,2/24)
- 4820 ECUADOR R.Paz y Bien; 1038 SP M/ann w/lite class mx, full ID, freq, etc. 1045--Sermon presented. g(Bolland,2/7)
- 4820T HONDURAS HRVC; 0210 class mx uninter to 0258(Wilkins,2/25) without an ID it is tentative only--sdk
- 4825 PERU LV de la Selva; 0420 Peru & other mx, full ID 0455, NA & off. g(Howard)
- 4832 COSTA RICA R.Relej; 0512 usual LAm mx & tlc(Gorichanaz & 5 others)
- 4835 BRASIL R.Nal. de Boa Vista; 1005 PT M/W nx, TC. f(Bolland,2/24) 0240 mx(Jordan) 0304 ads(Choroszy,2/20) *0900 Vocal NA, M/ann, PT, w/s/on tlc(Klein)
- 4835 GUATEMALA R.Tezulutlan; 0150 SP ID, violin folk mx. QRM de Boa Vista(Field,3/4)
- 4835 SARAWAK R.Malaysia Sarawak; 1500 Malay pop vocals, trad malay mx, soft-spoken W/ann betw songs(Sharpe,2/2)

- 4835 SOUTH AFRICA SABC; 2100-2200, 0330-0500 usual EG px(6 rep)
- 4840 CHINA FFBS-2; 1120 OM/YL CH tlc into CH opera mx-nice!(Leskowitz,2/28)
- 4840 VENEZUELA R.Valera; 0715 SP ads, M tlc, ID, mx. p(Rigas,2/13) 0050 ads (Field,2/25) 0558 mx(Samuel,2/22) 0448 SP ID/TC, R.Valera informa(Cliff)
- 4845 BOLIVIA R.Fides; 0050 all class mx, very few ann. 0105 chimes & ID as 'R.Fides, La Paz, Bolivia.'(Howard,3/10) This has not been reported for some time; Bucaramanga usually dominates freq-sdk
- 4845 BOTSWANA R.Botswana; *0357 IS, NA, s/on ann & mx. f(Choroszy,2/15) *0355 IS, s/on(Howard) 0416 tlc, mx, EG ID 0430(Cucura,2/26) 0415 M&W/ann w/tlc px in lang on gud Af nite. g(Klein,3/10) 0358 ID & opening(Lazarus)
- 4845 COLOMBIA R.Bucaramanga; 0220 Ballads, SP ad, promo, ID. f/p(Jordan, 2/13) I note a spotty signal here-apparently they're not fully back to normal yet--sdk
- 4845 MAURITANIA R.Nac; 2120 mx by children, AR nx 2130(Sica,1/26) 0715 AR Nx at t/in, chants 0720(Alexander,2/20)
- 4845 MOLUCCAS RRI,Ambon; 1231 IN whistle/flute mx, w/ann w/comments. f(Bolland) 1235 native mx, into net program. g(Krause,3/7)
- 4850 CAMEROON Yaoundé; 0435 IS, ID-"Vous écoutez Yaoundé," NA, into lcl drum mx, foll by s/on ann by M/ann in FR. f(Klein,3/10) *0428 IS, EG & FR ID, NA and mx(Valko,2/2) 2130 FR cmt y(Sica,1/26) 0505 EG nx(Krause,1/24)
- 4852A ECUADOR R.Luz y Vida; 1045 EZ mx, M/ann, SP, w/canned ID and sta hype over class. mx. vg(Klein,3/15) 0300*V noted after mx px(Field) 0206 SP tlc by W, full ID 0209 by M, px of Lam folk mx. p(Cunningham,3/1) nice computerized log print-out, but 18 pitch type!--sdk
- 4853.0 YEMEN R.Sana'a; 0320 AR tlc by M/ann, AR mx sel. g(Lineback,3/8)
- 4855 COLOMBIA R.Neiva; 1048 SP M/ann w/ads for future px, full ID/TC(Bolland) 0040 Lam mx(Alexander,2/14) 0310 Lam mx and SP ID(Marker,2/24) 0349 mx(Manning,2/19)
- 4860T INDIA AIR-Delhi; 0116 OC, AIR IS 0128, 6 pips at 0130, tlc-assume nx. TBS lists Sanskrit. 0135* f(Howard,sevl times in Mar) nice!--sdk
- 4860 PERU R.Chinchaycocha; 0120 Fade-in w/Peru mx, QRM de AIR 0128-0135, clear ID 0137. f(Howard,2/12) I should have such QRM problems!--sdk
- 4860 UNID 0132-0150, noted this nite only, repetitive stringed inst mx, not sure if Hindustani mx, not like Chinchaycocha.f/p(Howard,3/2)Maybe Kashmir--sdk
- 4860 USSR RMWS; 0400 EG RMWS nx w/M/ann, as usual. vg(Klein,3/10) *0000 s/on and nx/cnty(Leskowitz,3/1) 0010 nx(Alexander,2/24) Prob via Kalinen--sdk
- 4865 COLOMBIA LV del Cinaruco; 0215 mx, SP ID, tlc(Marker,2/11) 0810 mx (Sharpe,2/14) 0215 mx(Samuel,2/11) 0910 M/ann, SP, w/Caracol plugs, ID's, usual px. f/wk (Klein,3/11)
- 4870 BENIN LVRB; 0442 ID by M in FR, into lcl mx. f/g(Cliff,1/23) 2140 mx (Sica,1/26) 2225 hilige(Bolland,2/2)
- 4875 COLOMBIA LV del Norte; 0410 HJ pop mx, M/ann, SP, w/frequent ID, TC, etc. No sign of Super this nite. g(Klein,3/10)
- 4875 COLOMBIA R.Super,Medellin; 0742 SP IDs, Lam ballads, TCs,bad QRM (Johnson,2/17) 0430 Lam pops(Rigas,2/21) 0555 mx(Sica,1/24) 0414 SP ID, freq, TC, Lam pops, M/ann w/tlc(Cliff,2/13)
- 4875 WEST IRIAN RRI,Sorong; 1230 C&W/rock mx, occ ann in IN w/'sensual' IDs. g(Krause,2/28) 1241 IN Melodic singing by male chorus, comments betw tunes. p(Bolland,2,27)
- 4880 SOUTH AFRICA SABC; *0427 IS, ID, NA, AK px(Rigas,2/13) 0445 AK M/ann w/tlc px. vg(Klein,3/10)
- 4885 BRASIL UNID; 0130 PT Sports program, bad reception de QRM(Field,3/4) Prob Clube do Pará--sdk
- 4885A PERU R.Huancavelica; *1036 NA, SP ID/TC, Andes mx. f(Choroszy,2/10)
- 4890 HONDURAS R.Lux; 0001 Ranchera mx px, clear SP IDs(Underdown,2/6)
- 4890 PNC NBC; 1055 Mx, EG ID, nx. Before ID, horn heard. f(Bolland,2/7) 1310 Rock mx, requests, s/off w/full EG ID at 1359*(Pirnat,2/20) 1020 Disco(Sica,1/27)
- 4895 BRASIL R.Baré; 0140 PT sports broadcast. f(Field,3/4)

I was surprised by the number of loggings that I received. Even with an extra page, I regrettably had to cut a number of logs, but keep up the good work! Better to have too many logs than too few!

If you type your logs, PLEASE leave some space between loggings! Don't cut strips one typed line wide...they tend to slip into my keyboard. Also, one log per station is enough. I'm glad to know that you enjoyed hearing a station five times, but there is just no room for me to print more than one. Send the best.

Thanks to contributors, back again next month. Till then, 3's & 7;s,

log report *section*

4900-6199

B

JERRY BERG

- 4900 VENEZUELA R. Juventud, Barquisimeto, hrd at 0145 on 2-11 with US pop mx, ID and armts (Samuel).
- 4905 BRAZIL R. Relógio Federal, Rio de Janeiro, fair w/QSB on 2-27 at 2245 with talk, ID, time armts and time signals (3 pips) every minute (Buer-FL); from 0100 on 3-4 w/man talking, time given by wman, fairly good roprn (Field-MI); also 3-4 at 0115-0125, w/format as follows: OM w/armts, 2d OM w/longer talk and ID, YL's voice armts and 3 time pips; poor in QRN (Jordan).
- 4905 CHINA CPBS, 2340-2300*, CC talking by M&W, 6 pips at 2300 s/off. Hrd in // to 7935, 9064, 5880, 6200 and 7504; only 4905 closed; others contd w/local mx (Alexander-PA).
- 4910 HONDURAS LV de la Mosquitia, Puerto Lempira, 0005 on 2-22 with mx and IDs (Marker); IDs, EG religious programming at 0100 on 2-4 (Sarkisian); 0100 on 3-1, with religious prgm and ID as the International Voice of Mosquito, poor to 0132 (Manning); from 0100 2-27, asked for rpts to Box 1, Tupelo, MS or the Int'l. Voice of Mosquito, Pto. Lempira. Into SP at 0135 (Field-MI); and on 2-20, 0152-0301*, SP and vernac., religious mx, some "Hey Jude," time checks, fair (Choroszy-ME).
- 4910 ZAMBIA Lusaka, 0349-0430 on 2-24, Fish Eagle IS, EG ID, choral anthem, choir mx, into vernacular, many mentions of Zambia, sig fair plus (Reinstein-FL); 4911, tent. this one on 2-27 at 0420, low modulation, vy poor, no ID hrd (Robertson-OO).
- 4915 GHANA Accra, 0545-0630+ on 3-1, EG programming, nx, local mx and vernacular armts; strongest African being hrd here these days (Krause); local and world nx items at 0600 on 2-13, but very bad static this night; definite ID tho (Jordan).
- 4915 UNID. Koranic chanting at 2245 on 2-26, talk by gal, anthem to 2305*. Who? (Bolland-FL). Probably Ghana (JB).
- 4915 KENYA Nairobi, Swahili ID 0354 2-5 as "Hii ni Sauti ya Kenya," then anthem and into presumed nx with mentions of Tanzania; 4934 also hrd, but not in // (Valko); Afro mx with drums and chorus 2-20 at 0419, long Swahili talk, some EG words, much talk about Angola. To 0445+ with fair sig (Reinstein-FL).
- 4920 AUSTRALIA ABC-Brisbane, light mx to 0757 on 2-2, ID, into EG nx, fair-poor mixing with Yakuts (listed) (Darling-UK); interlude of classical mx 1030 on 2-28 (Leskowitz-MA); EZ lstng mx 1304-1330 on 2-25, poor sig (Manning).
- 4920 ECUADOR R. Quito, local mx 0210 on 3-2, ID 0215 as "Escucha R. Quito, La Voz de la Capital" (Rigas-IL); live sports 0357 on 2-13, frys on the hour, poor sig (Cliff); 0440 on 3-6, slower paced pops, almost classical, good, to 0457 (Krause).
- 4925 CHINA Heilongjiang PBS, Haerbin, western classics 1030-1050 on 2-28, talk to 1100, pips, ID, more talk, fair w/QSB, QRN (Buer-FL); sounded like CH romantic ballads, 1115 2-27 (Bolland-FL); fair at 1225 3-2, CH talks, slight het on fgy (Nikolich-IL).
- 4925 COLOMBIA Emisora Meridiano 70, Arauca, upbeat HJ pops with accordians 2358 2-15, many IDs shouted between songs, and alternate IDs as Sutatenza. Good (Reinstein-FL).
- 4930 GEORGIAN SSR Tbilisi presumed the one, RS light instrumental mx 0040 2-21, Mayak IS and pips at 0100, talk, Mayak IS again at 0130 (Alexander-PA).
- 4932 INDONESIA RRI-Surakarta, instrumentals and vocals at 1150 on 2-12, IS, RRI nx at 1201, but poor sig (Lineback-TX).
- 4935 PERU R. Tropical, Tarapoto, lengthy talk at 1030 on 2-24, full ID 1048, ads followed. USB helped alot (Bolland-FL).
- 4940 CHINA Qinghai PBS, Xining, talk and singing 1153 on 2-27, poor (Bolland-FL).
- 4940 IVORY COAST Abidjan, highlife mx 2230 2-28, talk, //1920 and 7215 (Alexander-PA).
- 4940 VENEZUELA R. Yaracuy, San Felipe, 0348 on 2-13, IDs, TCs, "Programa Romántica de Venezuela," fair sig (Cliff).
- 4945 COLOMBIA R. Colosal, Neiva, CARACOL network IDs at 0325 on 2-10, speech by woman, ads, promo for football game. Fair (Cliff).
- 4945 BOLIVIA R. Illimani, La Paz, Andean vocals at 1025 on 2-24, talk by man in Indian language, promo by M&W over mx 1029, then complete ID as "R. Illimani, La Voz de Bolivia," with frys, meter bands. Good level w/Colosal absent this AM (Cunningham).
- 4950 UNID. CH talking at 1200 on 2-27, poor, not strong enough for ID even if I could speak Chinese (Bolland-FL).
- 4950 SARAWAK Kuching, EG at 1340 on 2-27, four IDs, commentary on oil, BBC commentary, ID by man 1349, then Kuala Lumpur stock market report (Hensley).
- 4950 CLANDESTINE Voz de Verdade, in PT at 0350 on 2-4, ID, talk, drum beats (Sarkisian); lively PT mx at 0357 on 4-2, ID 0403, nx, more mx, numerous IDs, poor-fair (Csiki).
- 4955 BRAZIL Unid. here at 0120 on 3-4, sports broadcast, poor reception (Field-MI).
- 4961 VENEZUELA R. Sucre, Cumaná, 0333 on 2-15 with IDs, TCs, SP versions of US pops, C&W numbers, fair (Jones-MS); 0356 on 2-21, Rumbos nx with chimes and network IDs, full ID and 0400* with NA (Cliff); and at 1035 2-28 w/LA mx, OM DJ (Leskowitz-MA).

- 4965 NAMIBIA R. SWA, hrd 0420 on 2-17, struggling in Afrikaans against massive Rumbos splatter from 4970 (Neumann-AZ); 2-19, weak, much ute QRM and QRN at 0510 in presumed Afrikaans, mentions of SWAPO, ID 0530 in EG, then lang. nx (Jordan).
- 4970 VENEZUELA R. Rumbos, Caracas, ID at 0315 on 2-10, armts by man, TC, ads, LA pop vocals, fair sig (Clift).
- 4972 FRENCH GUIANA Cayenne, weak at *1000 on 2-21, time pips, anthem, opening armts by woman. //s 5055 and 6170 were much stronger; 3385 not on this day (Alexander-PA).
- 4975 COLOMBIA Ondas del Orteguaiza, Florencia, 1041 on 2-19 with ad for a local event, TC, ID mentioning Florencia, but ute returned at 1043 (Forth-IL).
- 4980 VENEZUELA Ecos del Torbes, San Cristóbal, IDs by gal, talk by OM 0006 on 2-22 (Marker); traditional LA mx, but poor signal, presumed this one at 0305-0340 and 0454-0502 on 2-24, ID arnd 0500 mentioning Venezuela (Sharpe-CA).
- 4990 CHINA Hunan PBS, Changsha, 1140 on 2-28 w/animated talking by man, CH mx, very weak and fluttery (Leskowitz-MA).
- 4990 NIGERIA FRCN-Lagos, EG talk about next week's prgms at 0620 on 2-7, then mx, ID at 0630, into local mx (Caiki-IL).
- 4990 SOUTH AFRICA R. RSA, *0300 with IS, EG ID, news read by man, "Good Morning Africa" prgm, but poor under Barquisimeto, 2-10 (Clift).
- 4990 VENEZUELA R. Barquisimeto, ID 0255 on 2-25, US pops, LA mx (Samuel).
- 4994.6 NEPAL Kathmandu presumed with instrumental mx, 1235 on 2-17, pretty tough (Neumann-)
- 4995 MONGOLIA Ulan Bator with M&W talks in unid. language at 1235, but vy weak (New, AZ).
- 4996 PERU R. Andina, Huancayo, instrumental mx at 0410 on 2-17, few armts, weak, marn-AZ). only possible on LSB because of WWV QRM (Neumann-AZ); fair at 0430 on 2-20, OA mx, full ID 0502, then NA to 0506* (Howard-CA); on late 3-2, almost FE sounding mx at 0433, flutes, was fooled till I hrd OM in SP or dialect mutter out a few OA towns and mention of Andina (Nikolich-IL); 0922-0950 on 2-26, Huancayo mentioned, string of atenciones, TC, fair with QRM (Choroszy-ME); very weak at 1035 on 2-28, slow talk, no proper ID but seems likely (Leskowitz-MA); full ID at 1100 on 2-2, fair (Bolland-FL).
- 5000 SOUTH AFRICA ZUO-Olifantsfontein, CW IDs at 0154 and 0159 under WWV, 2-27 (Marker-IL).
- 5010 CAMEROON R. Garoua, 2348-0000* on 2-10, Afro songs (but one by the Allman Bros.), FR talk, ID, NA and off. Surinam QRM? Extended sked? (Valko).
- 5010 COLOMBIA Presumed R. Surcolombiana, ads and talks 1055 2-10, poor (Bolland-FL).
- 5010 UNID. 0440 on 2-14, sounded like chanting, OM talking, no ID (Marker-IL).
- 5015 BRAZIL Unid. on 3-3, caught end of ID at 0116, mx followed, not hrd other evenings (Field-MI).
- 5015 PERU R. Moyobamba, LA vocals 1057 on 2-24, at 1058 electronic sound effects and dramatic "R. Moyobamba" ID. Into talking, PSAs, muddy IDs. Weak level, strong ute carrier and horrible low-pitched het make this a real challenge (Cunningham).
- 5015 USSR Vladivostok, 1250 on 2-13, good with Ravel's Bolero, RR (Lineback-TX); thought to be this one on 2-28 at 1035, weak, fluttery, martial mx, gone by 1115 (Leskowitz-MA).
- 5020 COLOMBIA Ecos del Atrato, Quibdó, NA at *1101 on 2-24, ID, calls, fays, big signal but rough sounding modulation (Jones-MS).
- 5020 NIGER Niamey, NA at 0529 on 2-25, Koranic chants 0531, to 0605, poor (Robertson-OO).
- 5020 SOLOMON IS. Honiara, ID as "This is the SIBC" at 0800 on 2-3, pips, electronic news jingle, Pidgin nx, sinking badly by 0815 (Darling-UK); island mx 1040 2-28, and what sounded like a religious service (Leskowitz-MA); ID 1100 on 3-1, C&W mx, fair rcpr (Krist-VA); US pops at 1120, ID, NA, 1133* (Sica-NJ); 1125-1132* 2-7, poor (Bolland-FL).
- 5025 BRAZIL R. Borborema, Campina Grande, pops 0831 on 2-6, ID mentioning "onda tropical"
- 5025 PERU R. Quillabamba, ID at 1042 3-2 (Jones-MS); gal anncr at 1048 2-19, (Forth-IL). ID and local armts, fair sig (Forth-IL); noticias 1056 2-23, govt info, fair, many mentions of Quillabamba area (Herkimier); 1109-1121 2-7, "Ondor Pasa" (Bolland-FL).
- 5026 BRAZIL R. Jornal Transamazônica, Altamira, 0820-0830 2-28, talk by man with many mentions of Brazil, ID, one or two vocals, very good sig (Valko).
- 5030 SARAWAK Kuching, pops and C&W mx 1200-1220 2-2, 5 pips on half hour, talk, poor; hrd what seemed like IS (part of NA) at 1228 after that day (Valko); EZ 1stng instrumentals at 1210 on 2-12, good sig (Lineback-TX); talks and mx, 1210-1227 2-27, weak ID 1227, poor (Bolland-TX); 1340 3-1, marriage regs and customs of Indonesia in EG, repeated in Bidayuh, fair to 1500* (Zilmer); early Beatles 1443 2-23, 1448* (Sharpe-CA).
- 5030 VENEZUELA R. Reloj Continente, Caracas, LA mx 0206 2-27, ID 0208 (Marker-IL); ditto at 0210 2-12 (Samuel); pop mx 0245 2-10, TC, ID, chimes, armts, poor (Clift); OM anncr at 0415 on 3-6, LA mx (Manning); ID and NA to 0457* on 2-21 (Sharpe-CA); full ID 1052 2-20, and TC at 1121 2-7, good both times (Bolland-FL).
- 5035 BRAZIL R. Aparecida, mx and talks in PT 2335 on 2-23, ID 2346 (Marker-IL).
- 5035 UNID. Perhaps R. Imagen, 1245 2-17, SP noticias summary to 1253 (Neumann-AZ). Pretty late for Peru (JB).
- 5040 BURMA Rangoon, 1315 on 2-1, CH I guess, opera mx, flutter, //5985 (Sams-ANK).
- 5040 PERU R. Libertad de Junin, 3-1, from 0428 w/mx program, variety usually hrd there (Field-MI); Andean mx at 0600 on 2-5, ID, pops, weak to fair (Forth-IL).
- 5040 VENEZUELA R. Maturín, ads for "Banco Nacional" at 0138 on 2-20, ID, good (Choroszy-ME).
- 5040 USSR-? 1240-1250 on 2-13, actually 2 stns here, one unreadable, other with woman singing opera-like songs (Lineback-TX).
- 5041y GUINEA-BISSAU Bissau, tuned in 0600 on 2-7 with drum IS, ID 0603, anthem, man talking, into prgm of fast-paced mx, weak (Forth-IL); ID a la WRTN-82 at 0710, African mx, many

- mentions of Guinea-Bissau, Faded 0750, but good lvl till then, 2-20 (Biller-NJ).
- 5045 BRAZIL R. Cultura do Para, ID after 20-min. non-stop mx, anthem to 0259* (Jones-MS); ditto on 2-22 (Marker-IL); long discussion 0325 on 2-21, political-type meeting in background. Many mentions of Para, ID, good sig (Clift).
- 5045 PERU R. Rioja, LA ballads and camp mx at 0304 on 2-11, talks, jingles, ads, promos, drums and organ preceded ID as "R. Rioja, OAX9L, 5045 kHz., banda de 60 metros onda corta . . . R. Rioja . . . de la ciudad de Rioja, departamento de San Martin." All fair-good, not especially "Peruvian" (Cunningham); fair on 2-17 at 0400 with folk mx, "Escuchen R. Rioja . . . la voz Peruana." To 0403* after NA (Neumann-AZ).
- 5046.5 INDONESIA RRI-Jogjakarta, 1230 on 2-13, gal in Indo., brief mx selections, poor (lineback-TX); 1300 RRI nx, weak, but exactly on this freq; no ID hrd, 3-1 (Krause).
- 5047 TOGO Lome, FR, local African tunes 2340 on 2-13, nx by man 0000, short NA by military band at 0002 and IS, then off (Alexander-PA); and at *0526 with IS, NA, short song and nx at 0532, on 2-2 (Sica-NJ).
- 5050 ECUADOR R. Jesús del Gran Poder, Quito, relay of Rdif. Nacional del Ec. at 0334 2-28, mentioned relay several times. GP IDs, NA and 0433* (Cunningham); 1138 2-7 (Bolland-FL).
- 5052 SINGAPORE Jazz at 1400, EG, 2-28 (Zilmer); nx 1500 2-24, wx for various Asian cities (Sharpe-CA); also 2-23 1500-1520, world nx, pops, bad QRM (Sharpe-CA).
- 5055 BRAZIL Unid. from 0118 on 3-2, sports or maybe just talking, behind TIFC; mx heard from 0136, fairly strong at first, but weak by 0140 (Field-WI).
- 5055 COSTA RICA TIFC, San Jose, 0300-0345, Carib. mx, rel. prgms, EG (Kimmell-ONT, Roser).
- 5055 FRENCH GUIANA Cayenne, pipe at 0900 2-6, nx, pops (Krause); talk and ID 0924-0938, //3385 and 4972, 2-27 (Cucura); *1000 with electric guitar IS, NA by orchestra, ID, FR songs, fading by 1020 (Buer-FL). 2-21, no sign of other freqs (Nikolich-IL).Time?
- 5055 UNID. 0431 3-1, unknown language, Turkish-style dance mx, ME mx, man spoke over mx every 5 minutes. Fair (Manning). Sounds like Albania-5057 (JB).
- 5061 ECUADOR R. Nac. Progreso, Loja, pops 0301 2-22, ID (Marker-IL); HC mx 1000 on 3-5, many ads, TCs, good (Chorczy-ME); mx 1055 on 2-22, ads, amts, fair (Bolland-FL).
- 5075 COLOMBIA R. Sutatenza, Bogotá, ID 4 times at 0103 2-27, nx (Marker-IL).
- 5095 COLOMBIA R. Sutatenza, by Samuel, Clift, Krist, Manning 0150-0340, Bolland 1045.
- 5095 PAKISTAN Islamabad, ID 1345 2-3, 5 min. EG nx, then Urdu; poor, some ute (Zilmer).
- 5106 CLANDESTINE La Voz del CID, anti-Castro, *0200-0237*, IS and IDs, very strong, same prgm on 7350 but delayed by 5 mins. there. Also anned 15280. 3-4 (Reinstein-FL).
- 5240 CHINA PLA stn, 1210 on 2-7, CH talk, same on 5900 (Bolland-FL).
- 5240 TIBET Xizang PBS, Lhasa, 2 CH stns here 1105 2-13. WRTH says PLA and Tibet, so maybe (Sams-ARK).
- 5280 UNID. SS anncr 0333 2-17, flute mx, low modulation. Ideas? (Neumann-AZ).
- 5265 CHINA PLA stn, talk at 1230 2-7, poor (Bolland-FL).
- 5290 USSR Krasnoyarsk listed, RR net relay 0328, vy weak under RTTY, LSB only (Neumann-AZ).
- 5451 W. IRIAN RRI-Biak, pop mx 1240 3-6, few amts, ID 1259, then network prgm (Krause); 2-1, orch.mx and II amts, Koran, "Love Ambon" to 1400*. Never better than abysmal
- 5565 CLANDESTINE R. 15 de Septiembre, hrd by Cunningham and Bolland in the (Darling-UK). 1151-1228* period, and by Jones, Marker, Neumann, Underdown-ARK, Fisher-MA in 0300-0345 period. Some EG arnd 0317 or 0330, anti-Sandinista. Sometimes 5560.
- 5850 USSR RM, cmtry and mx at 1220 on 2-7, fair sig (Bolland-FL).
- 5875 SAUDI ARABIA Riyadh, fair in AR 2231 2-26, but RTTY on top (Bolland-FL).
- 5880 CHINA Peking, M&W talking in CH, fair at 1214 on 2-7 (Bolland-FL).
- 5882 ARGENTINA R. Rivadavia, B.A., sports nx 0035-0115 2-4, plenty of IDs. All sports? (Bolland-FL). Mostly --JB. Tent. this one, 0213 3-7, sports (Underdown-ARK).
- 5930 CZECHOSLAVAKIA Prague, EG ID *0100, nx, cmtry, good rcprn (Krist-VA); 0305 (Clift).
- 5945 AUSTRIA Vienna, fair in GM 2215-2225 2-22 (Rigas-IL); EG 0132 2-10, fair (Clift).
- 5950 GUYANA GBC, barely audible 1039 2-22, fair 1035 2-3 (Bolland-FL).
- 5950 NICARAGUA Managua, traditional mx, amts, 0258 2-3 (Clift); nx 0340, ID, disco, etc. 2-17 (Nizam-ONT); mx and talk at 0520, 3-2 (Glasgow).
- 5954 COSTA RICA R. Casino, Pto. Limón, good 1155 2-7, cmtry, mx, ID, TC, het (Bolland-FL).
- 5965 MALAYSIA Kuala Lumpur, nx and wx 1530, Koran, talks, pops, fqys, to 1605 2-23 (Sharpe-PERU R. El Sol, Lima, Andean mx 1015, TC, fair 3-5 (Chorczy-ME); 1043-1051 CA). on 2-3, fair (Bolland-FL); anuncios and saludos, 1120 2-23, brilliant level (Herkimer).
- 5974 BOLIVIA R. Nacional, Cochabamba, presumed them 1017-1040 3-10, mostly piano mx with amts, religious talk 1023-1027. Difficult readability, could not get ID (Lazarus-LA).
- 5975 CHINA Peking, "East is Red" at *1058 3-2 (Jones-MS); fair 1145, 1300 (Bolland-FL).
- 5975 ENGLAND BBC, "Sports Call" 2245 2-21, very good rcprn (Krist-VA).
- 5980 TAIWAN Voice of Asia, Kaohsiung, light mx 1113 2-27, many IDs, good rcprn (Howard-CA).
- 5980 USSR RM - Riazan (per UHN), EG nx 2100, "News & Views" 2110, poor, QRM (Rigas-IL).
- 5985 USA WYFR-Okeechobee, Voice of Free China prgm, in CH 0220 2-10 (Samuel); in EG 0300-0400 (Krist, Connell-CA, Manning, Jordan, Updegraff).
- 5995 USA VOA, EG "Report to the Americas" 0130-0155 2-4, vy good (Tekulve).
- 6005 CANADA CFCX-Montreal, ID 0237 2-3, ads, sports, poor with het (Clift).
- 6005 S. YEMEN Aden, presumed the one 2115-2145 on 2-25, AR vocals, nx 2130, BBC QRM, poor (Rigas-IL); tent. them, NA at *0300, Koran to 0309, no pos.ID, 2-24, P-F (Howard-CA).
- 6005 ENGLAND BBC, EG 0120 on 2-10, Outlook item on El Salvador, interview, poor (Clift).
- 6006 COSTA RICA R. Relej, San Jose, 0430 2-15 with Pink Panther theme, ID, //4832 (Manning); C.R. mx at 0630 2-13, many IDs as R. Relej de C.R. (Rigas-IL).

- 6010 PERU R. América, Lima, nx at 1100 on 2-14, IDs 1106, 1110 and 1119 (Field-MI).
- 6015 DODEC. IS. VOA-Rhodes; EG nx 2153 2-25, cmtry, 2200*. F-G w/QSB (Buer-FL).
- 6015 NORWAY Oslo, s/off armts 0227, EG ID anong fys 6030, 9610, 11870, F-P 2-3 (Clift).
- 6015 VATICAN EG at 0100 2-14 on Pope's visit to Africa (Glasgow); 0103 2-26, poor in QRM and noise, to 0115, //9605 (Lucas-CA).
- 6025 BOLIVIA R. Illimani, La Paz, ID 1034 on 2-6, talk in SP or Indian lang., flute and piano mx, fair strength, lots of splatter from APRTS-6030 (Forth-IL).
- 6030 GERMANY SDR, Mühlacker, classical mx 0740 on 2-21, IS per WRHT repeated 4 times at 0744, then ID and talk by woman (Alexander-PA).
- 6035 COSTA RICA R. Nacional, San Jose, nx 1133 on 3-10, TCs, frequent IDs (Jones-MS).
- 6036 COLOMBIA R. Transamazonica, S. Jose del Guaviare, EZ lstng mx at *1018, then NA, fanfare, full ID: "Esta es R. Transamazonica, HJWA, 1170 kHz. onda larga, 97.6 MHz. frecuencia modulada, 6050 kHz. onda corta, banda internacional de 49 metros, desde San Jose de Guaviare, Colombia. R. Transamazonica, emisora . . . la primera cadena radial Colombiana CARACOL. CARACOL . . ." Into mumbly talks, promos, jingles. Fair, but irksome het, 2-17 (Cunningham); strong 1050 2-20, but het (Alexander-PA).
- 6040 E. GERMANY RBI, SP talk 0214 2-3, ID, //6070, 6010, 11920 and 9620. Fair (Clift).
- 6040 W. GERMANY DW, EG nx 0100, "Spotlight on Modern Living," 2-28 (Hahn).
- 6045 MEXICO R. Universidad, San Luis Potosi, opera 0300 on 2-21, few armts, poor-fair with poor audio. To 0458* (Howard-CA).
- 6055 JAPAN NSB-Tokyo, EG at 1115 2-10; ads, IDs, female anncr (Sarkisian).
- 6055 RWANDA R. Rwanda, end of NA 2100*, 13-sec. tone and off 2-1, Kuwait underneath this day (Valko).
- 6060 ARGENTINA R. Nacional, B.A., nx 1038 on 3-2, but swamped by Havana's carrier (Jones-MS).
- 6065 COLOMBIA R. Super de Bogotá, LA mx, ID 0645 3-3 (Samuel); ID 0837 2-17 (Johnson).
- 6070 CANADA CFRX-Toronto, EG nx 0300 2-5, sports, wx, ads, improved sig lately (Rigas-IL); opera 0300 2-24, weak but clear (Connell-CA); 50's hits 0718 2-17 (Nizami); CFRX ID 1323 2-12, good sig (Choroszy-ME); fair w/sports prgm, 2026 2-27 (Krist-VA).
- 6080 AUSTRALIA RA, pop mx 1240 2-9, cmtry, tough copy, ID, pips 1300, talk (Jordan).
- 6080 CANADA CKWX-Vancouver, steady 0845 2-12, "Super Country" ID (Sams-ARK).
- 6080 CHILE R. Patagonia Chilena, IDs and stn theme song 0202 on 2-22 (also used at sign on). Fair, to 0206* (Howard-CA).
- 6085 COLOMBIA Ondas del Darién, Turbo, LA mx 0955 2-18, ID, distorted but fair (Valko); 1045 2-27, echo-type IDs, upbeat mx, ad strings, fair w/QRM (Jordan).
- 6090 LUXEMBOURG *0000 in EG, ID, nx, "Powerline Prgm," pops, ads, fair 2-14 (Roser).
- 6090 POLAND Warsaw, piano IS 2100 2-20, ID, into Euro.lang., off air at times (Valko).
- 6095 MOROCCO VOA-Tangier, poor in AR 0750 2-21, //Greenville-6020 (Rigas-IL).
- 6100 PORTUGAL Lisbon, *0400 w/IS, 4 bells, NA, PT ID, 2-9 (Valko); EG nx 0530 2-25 (Boone-TX); EG cmtry 0548 2-23, ID 0558, gongs, NA (Hensley).
- 6100 USA KGEI-San Francisco, good 1150 2-27 with relig. prgm in Japanese, EG ID at 1230* (Howard-CA); JP 1155 2-27, ID 1201, some YVTO QRM (Buer-FL).
- 6100 VENEZUELA YVTO, Caracas, time sigs 0620 2-23 (Samuel); ditto 1041 2-24, IDs every min. on the min., first time I've hrd IDs in 6 yrs of tuning by! (Cunningham).
- 6105 BOLIVIA R. Panamericana, La Paz, pops 1030 2-18, ads, "Buenos Días, Bolivia," exc. sig (Valko); about the same 2-11 (Choroszy-ME); good 2-20 w/local mx, EZ lstng instr., talk (Alexander-PA); string mx 1050 3-2, like Argentine tangos, good sig (Jones-MS).
- 6115 COLOMBIA La Voz del Llano, Villavicencio, levely LA mx 0505 2-13, many IDs, fair (Rigas-IL); mx, talks, ID 0625 2-23 (Samuel); rapid noticias 1126 2-25 (Herkimer).
- 6115 PERU R. Union, Lima, ID 1005 2-20, OA mx, flutes, Llano returned next day (Alexander-PA).
- 6120 NICARAGUA R. Zinica, ID 1200, "R. Zinica . . . Nicaragua Libre." Nx, faded by 1215, QRM from unid. stn on 6120 (Field-MI, 2-24).
- 6126 COLOMBIA R. Super de Cali, ID 0750 2-20, bad het w/VOA-6125 (Alexander-PA).
- 6130 UNID. Gal singing in Viet, 1345 2-17. Vy weak, fading due to local sunrise (Neumann-AZ).
- 6135 S. KOREA Seoul, EG ID 1313, nx cmtry, then "Pop from Korea," 2-20 (Lucas).
- 6135 SWITZERLAND SRI, EG 0200 2-9 (Updegraff); nx, cmtry 0145 2-3, EG (Strauss).
- 6135 TAHITI Papeete, ID 0600 3-1, island mx till then, then FR clas.mx; fantastic propagation this date (Clearman).
- 6130 CHILE R. Nacional, Santiago, prgm about romance, 0138 on 2-5 (Grosvenor); 2-27 1018, talks, ads for Banco de Chile, promos, IDs, TCs, etc. (Jordan).
- 6150 COLOMBIA La Voz del Huila, Neiva, pops 0540 2-25, co-channel QRM, ID 0551, CARACOL promos 0559 (Boone-TX); HJ mx 0700 2-13, a "R. Reloj" net ID, good sig (Rigas-IL).
- 6155 CYPRUS Nicosia, *2215 2-21 with beautiful guitar IS, into wild flute medley, then Greek talk, poor (Nikolich-IL); armts, Greek mx, 2235 2-6 (Sarkisian).
- 6155 SWAZILAND R. SR, F-G *0255 2-27, EG pop show, ads, IDs, no WRNO (Howard-CA).
- 6155 USA R. clandestine, *0500 2-23 after WRNO s/off, usual "R.F. Burns" (Wiseblood).
- 6155 USA WRNO-New Orleans, hrd by many 0300-0500+, rock, disco, T-shirts, record offers, etc. (Howard, Roser, Fisher, Wilkins-OO, Pirmat-OO, Jordan, Valko). Also in Slavic relig. prgm 0340 2-14 (Cunningham), Ukrainian 0406 2-14 (Rigas-IL).
- 6165 MEXICO LV de la America Latina, ads 1255 2-7, TC, ranchoera, over modul. (Bolland-FL).
- 6175 PERU R. Tawantinsuyu, 1001 2-27, ID 1007 (Jordan); 1033 TC 2-26, no ID hrd (Forth-IL).
- 6190 PERU R. Oriente, Yurimaguas, ID 1128, OA mx, fast fade 3-10 (Jones-MS).
- 6195 NIGERIA Sokoto, church svc 2-1 0615 (Sams-ARK).
- 6195 PERU R. Cusco, 0959 (Forth), 1020 (Choroszy), 1025 (Alexander). ++Farewell till May!

log report section **C**

6200-11699

PETER SCHIPELLTI

31 Beaverbrook Road Burlington, MA. 01803 617 272-3142

- 6250 EQUATORIAL GUINEA R. Malabo; 0541-0601 SP, M w/ long tk and mentioned equatorial guinea several times 0600 into local Mx. (Cucura 2/26)(Alexander 2/21)
- 6260 CHINA PPBS,Xining; 1145-1155 CH, Songs & Mx w/ anmts; Fair to Good w/ adj. CW QRM. (Buer 2/27)
- 6275 AZAD KASHMIR AKR; Finally bagged this one after many months of effort. Fair level w/ OM & YI Tiks in lang, large dose of ME Mx, stumbled upon scanning bands. HIC# 198. Just two more to go. (Nikolich 3/2) At what time did you hear this? 1230? P.S.
- 6296 PERU R. Chota; #1100 SP, NA, Blues version of "Besame Mucho", ID, TC for 6:04 @ 1103, into yipping vocals. Better than 2/18. (Jones 2/19)(Field 3/2)(Valko 2/18) (Sams 2/13)
- 6348 SOUTH KOREA R. Echo of Hope; 1135 KR, song to 0638; Prob ID, tik beginning w/ Mx. Very good w/ some co-chan CW; What Power? (Buer 2/27)(Jones 3/2)
- 6540 NORTH KOREA R. Pyongyang; 1120-1130 JP, Tik by Y1; good w/ occasional SSB QRM. (Buer 2/27)(Jordan 2/27)(Bolland 2/7)
- 6550 LEBANON Voice of Lebanon; 0410-0420 AR, Lt Mx, Nx at 0415, poor. (Rigas 2/13) (Cucura 2/28)
- 6665 CHINA CPBS-1; 2310 CH, Y1 singing, CH Mx. //6750. Listed and reported as CPBS-1 Feking. (Jones 2/26)
- 6900 TURKEY Turkish State Meteorological Service; 0445 TK, Non stop TK Mx. (Cucura 2/28)
- 6900 CLANDESTINE R. Farabundo Marti; 0120-0124* SP, Signed on while I was listening to R. Venceremos; at 0120 tune/in, patriotic song by group, then rhetoric by M&W. Decidedly weaker than Venceremos, & different speakers. Occasional IDs as "R. Farabundo Marti, FMLN..." At 0134 sudden silence; I then noted weak 2-way USB tx in SP on 6906. Don't know whether related or not. Back on 6900, silent carrier only till 0150, then off completely. Certainly confirms that these two clandestines are separate stations; their broadcasts definitely overlap in time, & have very 21) different characteristics. Mostinteresting!! (Cunningham 2/7)(Valko 2/16)(Fisher 2/7)
- 6907 CLANDESTINE R. Venceremos; 2359-0100 SP, Native guitar and vocal Mx w/ full ID, "R. Venceremos, voz de Farabundo Marti." M & W w/ IDs and political tik. Mention of Mexican L. Portillo and R. Reagan. Machine Gun IS. VG. (Choroszy 3/3)(Jordan 2/11) (Marker 3/2)(Field 3/7)(Sarkisian 2/14)(Cunningham 2/7)(Krist 2/28)
- 6940 CLANDESTINE R. Farabundo Marti; 1151-1158 SP, A move from 6900, noted here each morning from this date. Same revolutionary talks, martial Mx, & occasional TCs & IDs. Huge signal, but suffers from intermittent carrier with superimposed CW on the freq, causing distortion. (Cunningham 2/26)(Underdown 2/28)
- 7000 CLANDESTINE LVD Juventud Progresista Cubana; 0306-0335, Tik by M anncr w/ ments of Cubano, Sovietco, Castro, w/mx in background. Nice E-Z listening Mx. Several IDs and couple mentions of Guatemala. (Valko 2/18)(Underdown 3/6)(Marker 3/3)(Fisher 2/28)(Field 2/23)
- 7036 CLANDESTINE LVD Juventud Progresista Cubana; 0313-0328* SP, OM speeches, Y1 w/ ID and sung march tune underneath, then Cuban NA. Good but QRMed. (Valko 2/5)
- 7074 CLANDESTINE R. Antorcha Martians, 0310-0314*, SP, Long speech by M, march tune w/ singing and ID w/ freq. Overmod. (Valko 2/5)
- 7110 GREECE Voice of Greece; 0415 GK, Gk songs w/ anncmts; some adj splatter; good strength. (Buer 2/21)
- 7110 ETHIOPIA VORE; 0331-0336 s/on w/ usual march mx and tik by two men in Amharic. Heard later dates w/ IS before 0330. Weak and ARO QRM. (Valko 2/25) 2/11)
- 7115 BULGARIA R. Sofia; 2130 EG, sked, Mx, Mid week Mailbag. R. Moscow at 2200(Witzig
- 7125 POLAND R. Polonia; 2230-2240 EQ, ID, Nx read by OM & Y1, Fair but QRM. (Rigas 2/26) (Krist 2/14)
- 7170 NEW CALEDONIA R. Noumea; 0750-0807 FR, Lite Mx, 0800 M w/ ID & Nx (Cucura 2/28)
- 7225 TUNISIA RTVT; #0430 AR, M w/ ID & anncmt. Into Koran chants. //15225 (Cucura 2/28) (Jordan 2/19)
- 7255 NIGERIA Voice of Nigeria; 0454 EG, s/on w/ anncmt, IS, NA, and ID by Y1 along w/ freq sked. TC & pgw sked. (Valko 2/9)(Jordan 2/9)
- 7265 WEST GERMANY Sudwestfunk; 0700 GM, 4 time pips, chimes & Nx at 0700. ID & instrumental Mx & Gm pop Mx at 0705. (Alexander 2/7)(Jordan 2/10)
- 7355 CLANDESTINE LVD Cuba Independiente Democratica; 0201 SP, March tune, IDs & Tik by OM & Y1. Very good signal. (Valko 2/19)

- 7345 CZECHOSLOVAKIA R. Prague; 0300-0357 EG, S/on w/ Nx, cmntry & folk Mx. (Manning 3/7)(Fraser 2/7)
- 9290 CHINA R. Peking; 2230-2240 CH, To SE Asia; ID at 2230; tlk followed. (Buer 2/25)
- 9455 EGYPT R. Cairo; 0405-0415 AR, Koren reading. Fair. (Rigas 2/13)
- 9475 EGYPT R. Cairo; 0225 EG, World Nx & ID. (Samuel 2/10)(Sharpe 2/16)(Smith 2/5)
- 9485 PERU R. Tacna; 1103 SP, Slick pop instr Mx, brief ID & "musica" Going fast by 1115. (Herkimer 2/25)
- 9495 MONTE CARLO (Monaco) TWR; 0733 EG, "Back to the Bible" ID @ 0800 (Gorichanaz 2/10)
- 9505 GUAM KTRR; 1430 Lang?, //11895 (Zilmer 2/22)(Underdown 3/4)
- 9515 MALTA IBRA; 2053 EG, Rel pgm. 2115* (Krist 2/27)
- 9535 ANGOLA R. Nacional; 2330 poor-fair, presumed here mixing U.S. Pops w/ lively Afro melodies, CM in PT, mention of "Republica" at 0000*, brassy NA. (Nikolich 2/24)
- 9540 POLAND R. Polonia; 2240 EG, "Review of the week in Poland.", MX, "Review of Foreign press on Poland." (Krist 2/27)
- 9545 SOLOMON ISLANDS SIBC; 0645-0802 EG, TC w/ freqs, Good Signal. (Clearman 3/1)
- 9580 SOUTH AFRICA RSA; 0225 EG, Tlk abt Gold mining, mine shaft, old locomotive exhibit, can hear its whistle. (Byron 2/18)(Manning 2/7)(Bauernhuber 2/23)
- 9590 NETHERLAND ANTILLES R. Nederland Relay-Bonaire; *0230 EG, Mx, ID, "The Dutch International Service." (Krist 2/28)(Bonnet 2/26)(Sharpe 2/20)
- 9605 PHILIPPINES R. Veritas Asia; 1027 EG/Indo, Mx w/ EG & Indo IDs to 1030; Indo s/on & prog followed; Fair w/ flutter; annod //11770 & 15210. Not heard. (Buer 3/2)
- 9610 AUSTRALIA ABC-Wanneroo; 1412 EG, Nx & Wx. Interesting report on the role of shortwave radio in the war of words between the East and West. Fair w/ much QRN. (Chorossy 2/14)(Curran 2/13)(Bolland 2/21)
- 9615 TURKEY Voice of Turkey; 2105 EG, Rock hits & DX tips on "DX Corner" (Krist 2/27)(Samuel 2/9)
- 9620 EAST GERMANY Radio Berlin International; 2200-2215 EG, Interview abt cooperation in Eastern European Countries. (Rigas 2/24)
- 9620 YUGOSLAVIA R. Yugoslavia; 1530 EG, Nx, Cmnty, local Mx (Zilmer 2/25)(Rigas 2/25)(Krause 2/7)
- 9630 SPAIN SFR; 0130 EG, pgm on shipbuilding. (Updegraff 2/22)(Krist 2/16)(Fraser 2/6)
- 9630 CHILE R. Agricultura; 1056 SP, ID following what sounded like a political pgm, then big band Mx. (Forth 2/20)
- 9665 BULGARIA R. Sofia; 2152 EG, Rpts on Bulgarian artists. Pop Mx. (Krist 2/21)
- 9675 PERU R. del Pacifico; *1100 SP, w/ jingle, s/on annmt, into rel pgm. (Forth 2/20)
- 9690 ARGENTINA RAE; 0105 EG, Nx, ID, sked, Editorial Cmnty. (Johnson 2/17) 22)
- 9695 SWEDEN R. Sweden; 0230 EG, Wx, Tlks abt Swedish life. (Glasgow 2/18)(Updegraff 2/2)
- 9700 BULGARIA R. Sofia; *2230-2330* EG, Nx, Class & Pop Mx. (Fraser 2/24)(Johnson 2/24)(Foscoelis 3/2)(Tekulve 2/18)
- 9710 ARGENTINA R. El Mundo; 0930 SP, ID as "R. El Mundo de Buenos Aires, en la Republica Argentina." (Sams 2/12)
- 9720 SOUTH KOREA R. Korea; *1330-1400 EG, IS, ID, Nx, Cmnty. (Rigas 2/26)(Straus 2/20)(Chorossy 2/14)
- 9720 SRI LANKA SLBC; 1244 EG, Mx, ID, as "The External Service of the Sri Lanka Broadcasting Corp." Into rel. pgm. (Valko 2/10)(Lucas 2/20)
- 9740 CZECHOSLOVAKIA R. Prague; 0300 EG, Nx & Topics of the Day. (Rigas 2/23)
- 9750 ALBANIA R. Tirana; *0000 EG, World Nx, Tlk abt Tirana. (Krist 2/22)
- 9770 AUSTRIA ORF; *0130-0157* EG, Nx, rpt on Austrian Resistance in WWII. (Fraser 2/16)(Glasgow 3/7)(Krist 3/4)
- 9780 YEMEN R. Sana; 2045 AR, Nice nonstop AR Mx. clear freq. (Leskowitz 3/7)
- 9815 ISRAEL Kol Yisrael; 0011 EG, "Spectrum" Pgm, A new power plant fueled by coal told about. (Krist 2/16)(Hahn 2/28)
- 9820 CHINA R. Peking; 1219 - 1256* EG, "Mx Album & Listeners' Letter Box.", Nice bamboo Flute Mx. (Chorossy 2/28)(Tekulve 2/21)
- 9835 HUNGARY R. Budapest; *0300-0327* EG, Nx, comment. (Krist 2/27)(Manning 2/6)
- 9860 CHINA R. Peking; *2100-2105 EG, IS, ID, Nx. (Rigas 2/13) 8)
- 9865 GREECE Voice of Greece; 0130 EG, Nx & ID. (Samuel 2/11)(Gorichanaz 1/27)(Jordan 2/4)
- 9870 BELGIUM BRT; *0030-0114* EG, "Brussels Calling.", "Music Box", "Radio World." (Krist 2/22)(Glasgow 2/14)
- 9870 SOUTH KOREA R. Korea; 1130-1230 EG, Nx, sports, Nx & Cmnty. Freq & time. //15575 (Zilmer 3/8)
- 9880 PAKISTAN R. Pakistan; 1650 EG, s/on 1630 in Turkish, 5 minutes of Nx in EG then back to Turkish Pgm. //13607, 17620, 11670. (Zilmer 3/6)
- 9912 INDIA AIR; 2105-2115 EG, Nx, ID, Indian Mx. (Rigas 2/13)
- 9977 NORTH KOREA R. Pyongyang; 1600 EG, Cmnty, ethnic Mx. (Connell 2/28)(Lucas 2/13)
- 10040 VIETNAM Voice of Vietnam; 1330 EG, Nx, Cmnty, Mx. (Zilmer 2/28)(Leskowitz 3/7)
- 11620 INDIA AIR; 2050 EG, Indian Mx, Nx by Y1 @ 2100 after ID, lots of local Nx. Strong. (Leskowitz 3/7)(Curran 2/16)(Witzig 2/16)(Byron 2/15)
- 11650 CHINA R. Peking; *0001 EG, Report on Kampuchea Army. (Krist 2/28)(Updegraff 2/19)
- 11695 BELGIUM BRT; *0029 EG, "Brussels Calling.", "Radio World" (Krist 3/1)

I will be in Dayton, Ohio April 23, 24 & 25 for the Big Hamvention. Will be driving 16 hours with a few crazy friends. Perhaps I'll get a chance to see some new SWL'ing gear. Drop me a postcard if your going. 73's for Now..... Peter

log report *section*

11700 TO 17699



STEVEN WISEBLOOD

- 11700 **DOMINICAN REPUBLIC** R Clarin: *2200-0030 4-note IS, NA, ID's in SP/EG, **LAM** mx, M ancr w/SP tlk. F (Briscoe,Krause,Kimmell,Rigas,Sarkisian).
- 11710 **ARGENTINA** RA: 0100-0130 EG nx, sports review, EG tlk on the economic situation. F(Rigas, Fraser). 1335-1348 SP nx by M. Tough copy(Jordan).
- 11710 **CHINA** CPBS-2: 1310-1335 CH tlk by M&W, CH operatic solos. P(Jordan 2/15)
- 11720 **NETHERLANDS** RN-Lopik: *0700 IS, NA, ID, EG nx. Fair (Rigas-IL 2/25)
- 11720 **ASCENSION ISLAND** BBC-relay: *0545 Hausa to Afr, nx by M. F(Rigas 2/25)
- 11730 **PORTUGAL** R Renaissance: *2327-0000 IS, ID, lcl folk mx (Rigas-IL 2/21)
- 11730 **GREECE** Vog: *2100-2140 IS, NA, GK nx & sports. P w/QRM (Rigas-IL 2/21) 0130-0145 W w/cntry in GK, to 0148* (Bodie 2/27).
- 11735 **NORWAY** RN: 0550-0630 W ancr w/tlk in NO to 0600, time pips, ID, nx by M in NO, US/Euro pop & oldie mx. EG W w/ID @ 0625. F //15175,9590(Jordan)
- 11750 **SOUTH AFRICA** (Transkel) Capitol Radio: 0428-0453 EG pop/rock mx, M ancr in EG between mx, several EG ads, sports rpt @ 0441, surfing rpt @ 0442, Poor and fady, QRM de Gabon & Cuba. (Valko-PA 2/26, Biller-NJ 2/19).
- 11755 **GABON** Afr#1: 1920-2300 EG/FR/Afro pop mx, FR ancr, ID. G(5 reporters). 0550-0620 EG/Afro pop mx, M ancr in FR, FR ads, //4810 (Sharpe-CA 2/23).
- 11755 **GREECE** Vog: *2200-2210 GK to Samr, M w/GK nx, //9655. Gabon QRM(Rigas).
- 11759+ **COOK ISLANDS** RCI: *0630 positive ID @ S/on, S9 fantastic propagation this eve(Clearman 3/1). 0835* Maori S/off anmts, W ancr w/ID, 10-15 seconds of drums, then NA & off. Clear audio(Valko 2/28). At the same time as SIBC 5020 & Vanuatu 7260 audible a persistent het noted on BBC Cyprus 11760. A bit less mod than the detectable carrier would have suggested with only brief snatches of anything audible. At the same time R. Cultura do Para 5045 had cochannel QRM from a very weak signal. -Possibly Noora Tangaroa has got both xmtrs running! (Darling-UK). Tax-BRAZIL R. Tupi: 0750-0830 PT tlk by M, some lcl mx. P(Underdown-ARK).
- 11770 **NIGERIA** VoN: 0545 EG cntry, ID, sked w/fqys (Samuel 2/21).
- 11770+ **PDR Yemen**: 0640 possibly the one here w/AR chanting u/VoN(Underdown-ARK)
- 11770 **PORTUGAL** RFE-relay: 2100-2110 Hungarian nx followed by ID/IS. F(Rigas).
- 11770 **UKRAINIAN SSR** Kiev-RK: *0030-0058* EG ID, EG nx, cntry. F(Krist-VA).
- 11780 **LEBANON** RL: 0500-0301 EG S/off anmts, into SP @ 0301 w/ID, lcl ME mx pgm w/SP anmts between songs. G w/severe QRM (Connell-CA, Sams-ARK).
- 11780 **BRAZIL** R. Nacional: 2145-2200 PT EZ1 mx, anmts by M&W in PT,F(Manning)
- 11785 **UZBEK SSR** R Tashkent: 1402-1415 EG nx, cntry, ID, lcl mx. F (Tekulve)
- 11790 **EUROPEAN RSFSR** Kalinin-R. Vilnius-relay: EG tlk of Lithuania (Glasgow)
- 11790 **INDONESIA** VoI: 1403-1447 EG Wld nx, Press Review, ID by W, lcl Indo vocal mx. Fading badly by 1445. P-F (Valko 2/4, Tekulve-OH 2/6).
- 11800 **ITALY** RAI: *0100-0120* EG nx by W, G not //9575 in IT(Fraser,Krist).
- 11805 **BRAZIL** R Globo: 2340-0015 PT ads, ID @ 0015, jingles, interview(Boone).
- 11810 **SEYCHELLES** FEBA: 0430-0500 EG "R. Today" to 0500 ID, IS. P-F(Buer-FL).
- 11815 **POLAND** R Polonia: 0555-0630 PL "For those at Sea" pgm, tlk by 2 M to time pips @ 0600, PL nx by M @ 0600, no //s heard (Jordan 2/10).
- 11815 **LIBYA** R Jamahiriyah: *2300-0000* , NA, EG ID, EG nx, lengthy NA, into EG "Green Book" and Koranic recitations all done to a disco beat! EG cntry, US/Euro oldies mx, into AR @ 2358. Good (12 reporters).
- 11817 **MOZAMBIQUE** Maputo: 0455-0500 Afro/pop mx, a classical song, 4-notes on a gong @ 0500 followed by PT ID by W & nx by M. Clear but P(Valko).
- 11825 **TAHITI** Papeete: 0530-0600 Polynesian vocals w/TT anmts. G(Sharpe-CA).
- 11835 **URUGUAY** R El Espectador: 0010-0125 ID, lcl pop mx, SP anmts, sports rpt, ID "Desde Montevideo...", remote broadcast(Connell,Wilkins,Forth).
- 11835 **HAITI** 4VEH: 1135-1253 EG "Hobby of Kings", ID's w/fqys, "Good Tidings, Christian mx pgm @ 1230 w/greetings to listeners(Tekulve 2/6,Manning).
- 11845 **VATICAN STATE** VR: *0100-0114* EG "The Pope In Africa"(Updegraff,Krist)
- 11855 **SEYCHELLES ISLANDS** FEBA: *0200 Vy Weak IS heard u/WYFR (Valko 2/18)
- 11860 **UKRAINIAN SSR** Vinnitsa: 2024 EG "RMWS" sports nx. VG(Krist-VA 2/15).
- 11860 **EUROPEAN RSFSR** Gorky: 1301-1333 RM to SEAs, tlk in lang., ID(Jordan).
- 11865 **PORTUGAL** DW via Sines: 2100-2115* W in Czech/Slovak. P & jammed(Rigas)
- 11865 **MALTA** DW-relay: *0100 EG nx, "Focus on Europe", "Press Review"(Krist).
- 11870 **NORWAY** RN: *0000 EG ID, EG tlk on the welfare state. F(Krist-VA 3/1).
- 11880 **SPAIN** #1 SFR: 0022-0142 EG Sports roundup, events of the past week, nx from the home front, DX pgm, SP guitar mx. G(Krist-VA, E Hoffmann).
- 11885 **SOUTH AFRICA** SABC: 0655-0720 EG nx, cntry on Poland. F (Gorichanaz).
- 11890 **USA** WRNO-Worldwide: *2200-0000* US rock/pop mx, EG promo's, anmts, requesting reception rpts, suggested that listeners switch to 11965 @ 0000. (9 rpters). As of 3/7 now on 11955 *2200-0000*-Scw
- 11890 **EAST GERMANY** RBL: *0325-0339 EG ID, IS, EG nx by M. G (Valko 2/4).

11890 **OMAN** R Oman: 1936-2kk5* ME stringed instr/vocal mx, M ancr in AR, some EZ1 & Euro pop mx, radio drama pgm w/M&W in AR, Koran recitations to 2112, choral anthem 2114-2115* (Sica-NJ, Buer-FL, Valko 2/1).

11895 **GUAM** KTWR: 1430 EG "Hour of Freedom". Good signal (Zilmer-NM 2/22).

11900 **SOUTH AFRICA** R RSA: 2100-2134 EG "S Afr Panorama", nx & ID by M, cmntry on Israel, "Conversation Corner". Fair (Witzig 2/22, Krist-VA 2/21).

11905 **PORTUGAL** DW relay: 2127 IS w/ID's to 2130, into Bulgarian svcs(Buer-FL).

11914 **PARAGUAY** R Nac: 0000-0045 SP M ancr, lcl folk mx, SP nx & ID(Sarkisian, Herkimer). *0855-1041 Instr. harp mx, NA @ 0858, ID, TC, Camp sounding mx. QRM from a rather nasty het (Jones-MS 2/17, Rigas-IL 2/13).

11915 **EGYPT** Cairo: 2110-2115 AR M w/nx & rpts from correspondents(Rigas 2/22).

11920 **IVORY COAST** Abidjan: 2035 FR M ancr, ID's(Sarkisian 2/9), 0725-0735 Afro highlife mx, FR anmts, ad for Winston Cigarettes, //11920(Rigas-IL).

11925 **PORTUGAL** RP: *0300 NA, ID, EG nx, sked w/fqys, "Rpt from Port."(5 rptra).

11930 **LIBERIA** RLWA: 0627-0646 ID in EG, into AR pgm @ 0630. F (Gorichanaz).

11935 **NORWAY** EN: 2010-2020 Norw. pgm w/lcl mx, EG ID @ 2020(Rigas-IL, Krist-VA)

11940 **ROMANIA** Bucharest: *0400-0428* TD, EG nx, interview pgm. G (Krist-VA) 1140-1205 FR cmntry & anmts to 1155*, *1200 GM pgm. F (Choroszy 2/12).

11940 **SINGAPORE** SRC: 1400-1500 EG nx, Pop/Mor mx pgm, ID's. F(Valko, Zilmer).

11955t **ANGOLA** RNac: 0510-0525 anmts by W in PT, time pips @ 0515, lcl group vocal mx, Discourse by 2 M in PT. VP w/deep fades. (Jordan 2/21).

11955 **USA** WRNO: 2332-0020 P w/cochannel QRM, ancd switch to 9725 @ 0000, but still here. Hauser's "World of Radio" broadcast(Lucas-CA).

11955 **PHILIPPINES** R Veritas Asia: 1450-1500 EG tkl by M&W, ID @ 1500 & into lang. pgm. P w/cochannel QRM (Valko 2/10).

11965 **SWAZILAND** TWR: 1945-1948* P w/PT tkl by M, ID. Poor (Rigas-IL 3/1).

11965 **UNID** 0235-0252 time ticks, SP TC anmts, possible ID @ 0244 but QRM was too much to make anything out. (Valko 2/23). Possibly a harmonic-ScW

11975 **EAST GERMANY** RBT: *0059-0140* EG nx, "Dateline Berlin". F(Krist-VA).

11990 **CZECHOSLOVAKIA** R Prague: *1930-1945 IS, ID, AR nx & cmntry, Czech mx. Fair (Rigas-IL 3/1). 0300-0357 EG ID, nx, "Topic of the Day". G(Manning).

12000 **EUROPEAN RSFSR** Moscow: 1305-1405 W ancr in RS, chral selections, Mayak IS @ 1329, W ancr w/5min of news followed by semi-Clecl mx (Jordan 2/19).

12000 **EGYPT** Cairo: 0232-0330 EG "Snapshot", nx, cmntry, listeners mail(Manning)

12010 **UKRAINIAN SSR** Lvov-RMWS: 1455-2057 IS, EG anmts by W, lcl mx(Krist, Jordan)

12015 **CHINA** R Peking: 1146-1344 CH operatic mx, CH tkl by M. G(Bolland, Jordan)

12030 **ASIATIC RSFSR** 1150 possibly Chita here w/CH cmntry by M&W, IS. (Bolland)

12050 **ASIATIC RSFSR** Petropavlovsk-RMWS: 1632-1642 ID by W, EG cmntry(Hensley).

12055 **EUROPEAN RSFSR** Armavir-RMWS: 1300-1330 EG M ancr w/nx, cmntry(Jordan).

12070 **MONGOLIA** RUB: *1200-1235* IS, 6-time pips, W ancr w/ID & fqys, EG nx by M ancr w/cmnty on China-US relations, "Mongolian economy" pgm(5 reports).

13607n **PAKISTAN** RP: 1630-1730* TK anmts, Subcontinental mx, EG "Asian nx" @ 1650-1655, then back into TK pgm w/M. ancr. S/off w/choral anthem. Good signal, //9880, 11670, 17620 (Jordan 2/25, Sams-ARK 2/9, Zilmer-NM 3/6).

13787 **USA** R North-Star Int: 0800 EG oldies, ID's, QSL via FRC. VG (Sams-ARK).

13797 **ICELAND** ISBS: 1924 discourse by M in IC. Fair (Underdown-ARK 2/27).

15012 **VIETNAM** Hanoi: 1800-1902 EG fqy sked, nx, cmntry, ID. F(Valko, Zilmer).

15045 **GRENADE** RFG: 2220-0031* "World of Jazz" pgm, ID "Voice of the Revolution from the land of Spice", W ancr suggested "Pay your bills!"(5 reporters).

15053 **BRAZIL** UNID: 0755 PT mass svce, TC, ads, mention of Sao Paulo(Sams-ARK).

15077 **AFGHANISTAN** RA: 1900 EG nx by M ancr, lcl mx selections(Sarkisian 2/21).

15105n **OMAN** RO: 2110 ME mx to 2102, AR ID @ 2102, AR discourse (Sams-ARK 2/3).

15105 **MOROCCO** RTVM: 0045-0100* AR tkl by M, DW QRM after 0055 (Rigas-IL 2/28).

15110 **INDIA** AIR: 2200 EG nx, cmntry, Subcon. mx to 2230*, fqy sked @ S/off //9912. G(Zilmer 2/27). 0020 EG cmntry & ID. Nice lcl mx (Sams-ARK 2/8).

15110 **CZECHOSLOVAKIA** Prague: 1430 IS, ID, EG sked, //11990 (Lucas-CA 2/13).

15115 **AUSTRALIA** RA: 0900 EG nx, ID, Aussie nx, Top-10 mx. Xlnt (Krist-VA 3/6).

15120 **VATICAN STATE** VR: 1602-1615 W ancr in EG w/religious nx. F (Manning).

15120 **NIGERIA** Von: 2057-2200 Talking Drum IS, EG coverage of the Pope's visit. ID, sked w/fqys, cmntry, African Press Review. F-G (Strauss, Manning, Johnson). 0530 EG nx of Safr by M, ID. G (Straka 2/21).

15120 **CHINA** RP: 0000-0055 IS, EG ID, nx, cmntry, tkl on a lcl Alligator(Bodle)

15125 **SPAIN** REE: 2110-2200 traditional SP flamenco guitar ballads. (Brodillette)

15125 **TURKEY** VoT: 1337-1350 EG nx, nx of Asia, tourism feature(Manning 2/16).

15140 **CHILE** R Nac: 0058-0200 ID's, SP ads, LAm/EG pop mx. VG (Fraser-MA 2/21).

15150 **CHILE** R Nac: 1116-1148 SP ads, "futbol" promo, SP nx by M. VG(Choroszy).

15150 **WEST GERMANY** DW: 1915 AK to Safr w/sked & fqys(Byron-NY 2/15). 1945 EG nx by M on the political situation in Zimbabwe. VG (Krist-VA 2/15).

15150 **INDONESIA** Vol: 0901 ID from this familiar sounding xmt. G(Sams-ARK 2/12)

15170 **TAHITI** Papeete: 0235-0615 FR ancr w/pop mx countdown, Polynesian group vocals, wind chime IS @ 0329, TT nx @ 0330 read by W. G-VG (4 reporters).

15175 **NORWAY** NRK: 2000 P @ S/on w/multi-lingual ID's following IS, fanfare @ S/on, into Norwegian pgm (Nikolich-IL 2/21). 2206 EG nx. F (Krist-VA).

15190 **SWEDEN** RS: 1230 EG nx to EAs, //21690. Fair (Zilmer-NM 3/8).

15192t **BRAZIL** R. Inconfidencia: 0011-0022 M ancr w/futbol play by play, post game Interviews, ID. G(Choroszy, Herkimer). 0730 ID, Brazilian ballads, PT anmts. P but audible. //6000 (Alexander-PA 2/21).

15200 SEYCHELLES FEBA: *0400-0500* IS "What a Friend...", EG M ancr w/ID, sked w/fqys, into nx items, Religious mx @ 0455. F(Manning, Jordan).

15215n NORWAY RN: 1600 EG nx & views, barely audible w/QRM. P (Zilmer 3/7).

15220 HUNGARY Budapest: 0300-0330 EG nx "Masters and their mx" (Sharpe-CA).

15220 MADAGASCAR Rned-relay: 2030-2040 EG "Happy Stn"(Krist,Sarkisian,Strauss)

15220 SOUTH AFRICA R RSA: 0435-0445 FR nx, ID, sked w/fqys to Afr(Manning).

15225 TUNISIA RTT: 2015 AR M ancr, ME instr/vocal mx (Sarkisian 2/4).

15250 SRI LANKA VOA-relay: 0150-0215 EG "B'fast Show", nx @ 0200.(Cunningham).

15290 BRAZIL Rbras; 0200-0300 Samba/Carnivale mx, EG cmntry, ID w/fqys, the life and music of a Brazilian poet-musician. VG (5 reporters).

15296 MOZAMBIQUE Maputo: 0530 PT tlk by M, ads, Afro pop mx. QSB (Sams-ARK)

15300 JAPAN RJ: 0010-0040 EG "Asian nx", ID by M, JP folk mx(Connell,Valko)

15305 SWITZERLAND SRI: 0145 EG nx, "Swiss Merry-Go-Round" (Hahn 2/28).

15325 SOUTH AFRICA R RSA: 0200 EG nx, feature on SAfr culture (Hahn 2/28).

15325 UGANDA RU: 0300-0400 noted with an Xlnt signal here with some outstanding Eafv vocal selections in "Uganda Sings" pgm, EG M&W ancrs(8 reports).

15333 COLOMBIA R Nac: 0230-0430 SP anmts & ID, Clsc1 mx. VG(Sarkisian,Manning 1145 SP vocal mx, ID, EG lesson. P (Straka 2/17).

15335 INDIA AIR: 1333-1410 EG Wld & National nx, cmntry. P-F(Tekulve,Lucas).

15335 ROMANIA Bucharest: 1500 EG nx, cmntry, lcl mx, not 15340! P(Zilmer 3/6).

15345 MALAYSIA RTVM-HS: 0040 test xmsn w/W ancr in EM, EG Bugspray ad, rock mx (Sams-ARK 2/1).

15350 ZAIRE Lvd'Zaire: 1940-2134 lcl Afro tribal mx, disco-pop selections, FR M ancr. Occasional vernacular tlk, //15245.G(Valko,Sarkisian,Krause)

15355n GREECE Vog: IS, GK S/on anmts, into GK pgm. F-G (Buer-FL 2/13).

15355n PORTUGAL RP: 2040-2102* PT anmts, lcl PT ballads-pop mx, ID, NA(Buer-FL)

15360r BELGIUM BRT: 0030-0115 EG "Brussels Calling", //11695. G (Zilmer 3/8).

15365 CANARY ISLANDS REE: 0230 SP, ID, mx request show for SAM. VG(Choroszy).

15400 ASCENSION ISLAND BBC-relay: EG cmntry on OPEC "Letter From America"(Hahn)

15410 PHILIPPINES VOA: 2109 EG "New Products" -ed#8, "Critics Choice(Krist).

15425 SRI LANKA SLBC: 0030-0135 pop & lcl mx, EG M ancr w/ID/TC(Rigas,Curra)

15425 AUSTRALIA ABC: *2252-2305 xmtr tone to 2300, ID, into pop mx. F(Buer-FL)

15435 GABON RFI-relay: FR M ancr, pop/rock mx 1917-1945. F-G (Manning 2/19)

15445 BRAZIL R Nac do Amazonia: 0830-0855 trad Bras mx, PT anmts (Sharpe-CA)

15450 EUROPEAN RSFSR Krasnodar-R.P&P: RMWS 1420-1430 then into EG R. Peace & Progress. EG cmntry by W. F-G (Manning 2/19, Valko 2/10).

15455 ASIATIC RSFSR Petropavlovsk-RMWS: 2317 EG cmntry by W, ID(Hensley).

15455 UKRAINIAN SSR Simferopol: 1345-1420 RS to Seaman in Natl., ID(Jordan)

15485 NEW ZEALAND RNZ: 1730 EG movie theme mx, Gilbert & Sullivan mx, PSA on littering from auto's, ID @ 1800. F (Connell-CA 2/10).

15495 KUWAIT RK: 1900-1935 AR anmts, possible ID, ME mx. G (Strauss 2/14).

15503v COLOMBIA R Nac: 2305 chimes, ID by W, into Clsc1 fare. F(Jones-MS 2/23).

15505 QATAR QBS: 1800-1930 AR nx by W, anmts by M, ID, ME mx(Sarkisian,Dorth)

15520 CHINA RPeiking: 0010-0300 EG nx, cmntry on Sinal, CH mx. G(4 reporters).

15560 AUSTRIA Austrian R: 1835 ID, EG feature on the beer industry, tlk of parks in Austria (Johnson 2/17). 1900-1910 ID, GM M w/nx. F(Rigas-IL)

15565 PAKISTAN RP: 1601-1615* EG nx, //17640, 17660. Fair (Zilmer-NM 3/4).

15570 BELGIUM BRT: 2020-2030 EG sports rpt, Flemish mx. F (Rigas-IL 3/1).

15575 SOUTH KOREA RK: 0358 EG S/off anmts w/ID & sked. G(Wood-CT). 1130-1230 EG nx, sports, cmntry on NKorea, sked w/fqys, //9870. F-G (Zilmer 3/8)

15585 ISRAEL Kol Israel: 2200 HB tlk, some lcl pop mx, //11655(Kimmell-ONT 2/2

15595n GREECE Vog: 0120-0130 EG nx, GK mx pgm, //9865, 11730. F-G (Zilmer 3/8)

15666 UNID 0730 something here Vy. Weak w/AR mx & ID @ 0730. VP (Sams-ARK 2/1)

16433 KIRIBATI RK: 0830-0840 LSB; KB tlk by W, island mx. UTE QRM(Buer-FL).

17555n GREECE Vog: 1500-1550* GK tlk & lcl mx, sked w/fqys @ S/off. P-F(Zilmer)

17600n BELGIUM BRT: 1900-1945 EG "Brussels Calling", mx box. F (Zilmer 3/7).

17620 PAKISTAN RP: 1630-1655 S/on anmts in TK, 5-min of EG nx @ 1650, then back into Turkish, //13607, 9880, 11670. Good signal (Zilmer 3/6).

17630 ISRAEL Kol Israel: 0000-0027 EG nx, //15585, 11640. Good(Zilmer-NM 3/8).

17640 PAKISTAN RP: 1603-1615* Slow speed EG cmntry by M, ID. P(Valko 2/5).

17695 THE NETHERLAND ANTILLES Rned relay: 2030-2120 EG "Newslines".VG(Manning)

Well, perhaps I might have been able to make it a full 3 pages had I included some of the more common loggings, i.e. R. Habana, VOA-Greenville, HCJB, etc.. but since these stations can be heard at very good levels on a single transistor TRF shortwave receiver I believe it not to be necessary to include them here. If you examine LR-D carefully you'll probably find that most of the loggings can be heard on simple Shortwave receivers such as the Panasonic or Sony portables. I have a small RF-2200 and its a wonder what can be heard. Normally the Panasonic RF-2200 can only tune down to about 3450kHz, but having somewhat of an Electronic background I was successfully able to retune mine to 3100kHz to include the 90m band. However, since 90m is only open here a few times a year due to noise (Atmospheric, Electrical) DX catches there are few. OUTASPACE, sri, If all goes well another 3-pages next time, OK?

73 de Steve/KA6IBD

log report *section*

17700 & ABOVE



BRETT SAYLOR

- 17705 MOROCCO RTVM; 0030 AR, mx, tlk by W (under Moscow)(Sarkisian)
17705 NEW ZEALAND RNZ; 0300-0430 EG, tennis match, easy listn mx
(Manning 3/5, Strauss)
- 17710 UNITED ARAB EMIRATES JAE Radio,Dubai; 1616-1630 EG, s/on by W,
Classical & e-z listn mx (Manning 2/13) 2010-2030 AR, mx, ID by
M @ 2030, 6 pips, presumed nx (Posporelis 3/4)
- 17715 SINGAPORE BBC FE Relay; 0000 EG, nx by M anncr (Sarkisian 2/2)
17730 USA VOA; 0021 EG, nx, Press Conference USA, good (Krist 2/28)
17740 UNITED KINGDOM BBC; 1515 EG, Outlook, good (Zilmer 3/3)
17743.6m CHINA RP; 0200 CH?, IS w/ ID 0200, s/on & tlk; why this off freq?
Noted 2 consecutive days, good (Buer 3/4)
- 17750 CUBA R Havana; *2048-2140* EG, Spotlight on LAM, sports, fair
(Connell 2/27, Sica)
- 17780 SOUTH AFRICA R RSA; 2007 FR, Afr nx by M (Nizami 2/14) 2115 EG,
Looking into Africa nx rpt, vry good 2/19 (Fraser)
- 17795 ALGERIA RTA; 0000 AR, tlk by M, distinctive guitar IS 0002-0004,
more tlk; good w/ distorted audio (Buer 3/4)
- 17795 AUSTRALIA RA; 1930 EG, pop mx, fair (Pirnat 3/6) 0000 EG, nx
Four Corners pgm, vry good (Krist 2/22)
- 17800 TAIWAN VOFC; 0310 EG, nx, CH mx, cmtry (Wood)
- 17810 UAE Dubai; 0520-0547 EG, AR mx, pips on 1/2 hr, brief anthem, ID,
MEast nx items; heavy QRM, //11940 awful,21700 inaud. (Jordan2/10)
- 17815 BRAZIL R Cultura; 0320 PT, lite Braz mx, ID 0330 w/ mnt São Paulo
(Cucura 2/19) Welcome back !!! bs graff 2/22)
- 17825 JAPAN RJ; 0000-0200 EG, nx, lite mx, Tokyo Calling (Cucura,Upde-
17830 BRAZIL R Bras; *0159-0259* EG, mx, Mailbag, full IS & address
For JSL at s/off, exc (Yingling 3/16,Fraser,Bonnet,Krist)
- 17860 FRANCE RFI; 1400 FR, tlk by M & W, FR and GM mx (Byron 2/15)
1702-1745 EG, Paris Calling Africa, gd (Tekulve 2/21,Hoffmann,
Manning)
- 17865 UAE Dubai; 1903-1910 AR, tlk (Nx?) w/ ID at 1906 "...min Dubai";
Fair w/ splatter from VOA 17870 (Buer 2/27)
- 17870 USSR 0030 EG, R Kiev (Hahn 2/28) *0300-0327* EG, R Kiev (Krist)
0351-0357* EG/Armenian, R Yerevan (Jordan 2/8) all w/ reg prop-
aganda
- 17870 LIBERIA VOA Relay; 1740 EG, Nightline Afr (Tekulve 2/15) 2210
EG, nx in Special EG, Jazz Hour, fair (Krist 2/27)
- 17875 CANADA RCI; *2129-2158* EG, nx, weather, DX Digest, good (Krist)
17880 PORTUGAL RP; 1800 EG, s/on w/bells, anthem, nx headlines, mx;
s/off 1851 (Johnson 2/16)
- 17880 ECUADOR HCJB; 0140 EG, religious pgm (Yingling 3-12)
17886 ALGERIA RA; 2004-2018 EG, nx, ID 2021, pop mx, fair signal at
First but faded and heavy RCI QRM (Briscoe 2/22)
- 17890 ECUADOR HCJB; 1425 EG, Morning in the Mountains, vry gd (Tekulve)
17895 RWANDA DW Relay; 2215 GM, nx by M anncr (Sarkisian 2/22)
- 17895 ** USA WRNO New Orleans; 1805-2002 EG, songs such as "When the St.'s
Go Marching In", "Way Down Yonder in New Orleans", "City of NO" on
during testing b'casts; exc signals (Darling,Manning,Kigas,Valko,
Boone,Tekulve)
- 17895 CANADA RCI; 2130-2145 EG, mx to Afr, //17820 (Yingling 3/14)
18080 UK BBC; 1636 Farsi, tlk on Iran, ID (Sams 2/11)
- 18398 MEXICO R Consentida; 2040 SP, clear ID, lots of mx, wolfhows,
a feeder for Ranchero Consentida Network ? (Underdown 2/28)
- 18395h MEXICO XEFAJ R Consentida; 2030 SP, phone-in show, Musica Ranch-
era, ID "Este es XEFAJ - R Consentida, la Organizacion de R Centro
...???. Mexico", ads (Sams- 2/11) interesting...need to find
out more abt this stn. be

21460 USA VOA; 2240 EG, Breakfast Show (Tekulve 2/19)
 21460 BELGIUM RTB; *1500 FR, *1700 FR, Xylophone IS, ID as "La Voix de l'Amite" lite mx, good (Cucura 2/26, Valko, Jordan)

21470 ASCENSION ISLAND BBC; 1640 EG, sports pgm (Sarkisian 2/20)
 21475 EAST GERMANY RBI; 1330 EG, nx, cmtry, letters (Glasgow 2/14)
 21475 FINLAND RF; 1300, 1430 EG, Northern Rpt (Manning 3/6, Updegraff, Hahn, Tekulve, Bonnet)

21477 ECUADOR HCJB; 1945, 2130 EG, DX Party Line w/ S Pacific DX Club Rpt; fair (Krist 2/21, Witzig)
 21485 PAKISTAN RP; 1600-1615* EG, nx, //17640, 15565; hard to copy as VOA s/on covers them (Zilmer 2/27)
 21485 USA VOA; 1630-1700 EG, 2000 EG, Nightline, Magazine Show, f-g (Krist 2/21, Tekulve)

21485 AUSTRIA ORF; 1230-1256* EG, nx, sports, listener's letters, //21620, 9770, 6155 Bonnet 3/8, Zilmer) 1400-1430 EG, nx, political tlk, fair (Manning 3/21)
 21530 USSR RMWS; Ivano-Frankovsk site per UHN, 1240-1313 EG, cmtry (Jordan 3/3) 2208 EG, nx, cmtry (Manning 2/27)

21535 SOUTH AFRICA R RSA; 1350 EG, letters (Byron 2/12)
 21540 EAST GERMANY RBI; 1345-1413 EG, nx, cmtry, freq's & times given, //177880, 21465, 25450; VOA QRM (Zilmer 3/6)

21545 USA WYFR; 1327 EG, Back to the Bible pgm (Tekulve 2/7)
 21570 SWITZERLAND SRI; 1535-1600 EG, Dateline, trade coops discuss, (Bonnet 3/3)

21595 FRANCE RFI; 1655 FR, mx, ID at 1700, more mx; good (Strauss 2/20)
 21600 WEST GERMANY DW; 1533-1550* EG, Afr nx 1545, Saturday Special (Jordan 2/19, Hoffmann)

21615 SWEDEN RS; 1400-1430* EG, nx, sports, mx (Bonnet 3/8, Tekulve)
 21615 USA WYFR; 1600-1735 EG, to Eur w/ Bible reading, fellowship, //21465, 17845, 15440 (Yingling 3/12, Tekulve)
 21620 FRANCE RFI; 1725 EG, PCA, fair (Tekulve 2/27)

21620 AUSTRIA ORF; 1230-1256 EG, nx, cmtry, //21525, 9770, 6155 (Zilmer)
 21655 UAE Dubai; 1635 EG/AR, nx in EG, ID and into AR 1645 (Cucura 2/26)
 21660 LIBERIA VOA; 2018 EG, Nightline Afr pgm, fair (Krist 2/21)
 21665 PORTUGAL R Free Europe; 1740-1800 Polish, interview by 2 M, nx, ID (Jordan 2/24)

21685 NETHERLAND ANTILLES R Nederlands ; 2030-2120 EG, s/on, nx, DX pgm (Manning 2/18, Samuel)

21725 ALGERIA RTVA; 2031-2100 AR, tlk by M to 2036, into AR mx, then 3 men w/ dramatic presentation; weak, //21635 weaker (Brouillette)

21725 NORWAY RN; 1600 EG, Norway This Week, //21615, 25730, 15215 (Zilmer)
 21740 AUSTRALIA RA; 0240-0315 EG, pop mx, nx, ID 0300; some QRM & fading (Cucura 2/25, Bonnet)

21745 PORTUGAL R Liberty; 1705 RS, lengthy tlks by M, "R. Svoboda" ID; generally fair w/ some QRM jamming (Jordan 2/24)

21810 BELGIUM BRT; 1735-1750 DT, tlks by M on Belgium, Netherlands trade, folk mx, ID (Cucura 2/26)

21815 BELGIUM BRT; *1235 DT, tlk, mx, to SE Asia, //21810 (Zilmer 3/8)
 21730 NORWAY RN; 1603 EG, nx on El Salvador, ID, //25615 (Underdown)
 25780 SWITZERLAND SRI; 1315-1345 EG, pgm on Swiss chocolate industry, mx, //21520 (Zilmer 3/7)

25790 SOUTH AFRICA R RSA; 1300-1315 EG, ID, nx in brief, Talking Point (Tekulve 1/31)

25950 FINLAND R Finland; 1530 FN, tlk and mx (Zilmer 3/7)
 26000 PHILIPPINES VOA; 2008 EG, Nightline Afr pgm, vry good (Krist) believe this is still Bethany at this time period...bs

26020 ECUADOR HCJB; 1930-2000 EG, nx, religious pgm (Sica 1/9)
 26040 USA VOA; 2215 EG, Nightline Afr pgm, vry good (Krist 2/15)
 26040nf NORWAY RN; 1400 EG, Norway This Week, VOA QRM, //25730, 25615 (Zilmer 3/7)

That's all for this month. See you in May!

73's,

Scott

LOG REPORTERS

FRENDX

These folks contributed to this months Log Reports:

Brian Alexander, Mechanicsburg, PA (FRG-7700mod, R-4); Ray Bauernhuber, Rosedale, NY (RF-2800); Jeff Biller, E. Brunswick, NJ (FRG-7700mod); James C. Bodie, Canastota, NY (S-108, RF-2800); Chuck Bolland, Lakewood, FL (FRG-7000); Arthur Bonnet, W. Lafayette, IN (DX-302, RF-2600); John Boone, Spring, TX (RF-2600); Ken Briscoe, New Albany, IN (RF-2900, Transoceanic); Paul Brouillette, Sault Sainte Marie, MI (DX-160); Paul Buer, Miami, FL (SPR-4); Leslie Byron, Laurelton, NY (Patrolman 9-band); Paul Choroszy, Saco, ME (FRG-7000); Richard Clearman, Edmonds, WA (R-1000); Tony Clift, Campbellville, ON (ICF-2001); Charles Connell, Fort Bragg, CA (CRF-320, RF-2900); Steve Csiki, Chicago, IL (ICF-2001); Vladimir Cucura, Reading, PA (DR-7, FRG-7); Larry Cunningham, Columbus, OH; Mark Curkin, Bristol, TN; Gordon Darling, Reading, UK (SAIT MRL411); Marlin Field, Hillsdale, MI (SPR-4); John Fisher, Chelmsford, MA (GPR-90); Bob Fraser, Cohasset, MA (XCR-30); Mark Glasgow, Calumet City, IL; Jim Gorichanaz, Greenfield, WI (DX-302); Robert Gundersen, Northfield, MN (R-1000); Jeffrey Hahn, San Deigo, CA (FRG-7); Baxter Hensley, El Paso, TX (FRG-7mod, SX-190); John Herkimer, Caledonia, NY (R-4B); Emmett Hoffmann, St. Louis, MO (R-1530, 51S1); Ron Howard, Santa Barbara, CA (SB-310); David Johnson, Orofino, ID (DX-302); Jack Jones, Jackson, MS; Rufus Jordan, Pittsburgh, PA (DX-302, Transoceanic); David Kimmell, Nepean, ON (ICF-2001); Joseph Kononchik, Ledyard, CT (DX-302); William Krause, Anoka, MN (DR-7); Kraig Krist, Falls Church, VA (FRG-7700); Andy Leskowitz, Marlboro, MA (DX-302); Jerry Lineback, Conroe, TX (R-7); Rick Lucas, Stockton, CA (R-1000); Sandra Manning, Garland, TX (FRG-7700); Brett Marker, Rockford, IL (CRF-320); Serge Neumann, Phoenix, AZ (HQ-180AC); Mike Nikolich, Chicago, IL (HQ-180, SPR-4, RF-2200); Lance Nizati, Toronto, ON (RF-4900); Wilder Pickard III, Evanston, IL (R-7, XCR-30); John Pirnat, Denver, CO (SX-110); Jim Posporelis, Troy, NY (FRG-7, RF-2200); Steve Reinstein, Miramar, FL (RF-4900mod, RF-2200); Christos Rigas, Chicago, IL (VEF-206); Lin Robertson, Littleton, CO (R-390A); Allen Roser, Hanover, PA (DX-200); Mitch Sams, Farmington, AR; Chris Samuel, Winnipeg, MB (RF-2800); Brian Sarkisian, Jasper, MI (RF-2600); Bryan Sharpe, Castro Valley, CA (DX-302); Louis Sica, Flanders, NJ (FRG-7mod); Todd Smith, Wilton, CT (DX-60); Andrew Straka, West Lawn, PA (ICF-6800W); Robert Strauss, Columbus, OH (FRG-7mod, FRG-7700); Ron Tekulve, Harrison, OH (RF-2600); Bob Underdown, Fayetteville, AR (FRG-7mod); J. C. Updegraff, Noblesville, IN (RF-2200); Dave Valko, Dunlo, PA; John Wilkins, Wheat Ridge, CO (R-1000); Steven Wiseblood, Santa Maria, CA (RF-2200); Eric Witzig, Annandale, VA (R-1000); Stephen Wood, Windsor, CT (DX-300); Robert Zilmer, Rio Rancho, NM (R-1000, ICF-5900W).

Please allow plenty of time for your reports to reach Austin as the firm deadline for Log Reports is the 12th of the month. It isn't necessary to spend the extra money to send reports Special Delivery unless you like to throw your money away. Just mail your reports by First Class no later than the 6th of the month and 99 times out of 100 they'll be here by the deadline.

Thanks to all those who have included notes with their loggings. I enjoy reading them but don't have nearly enough time to answer each one personally. However, if you do have a question that needs an immediate answer, feel free to ask and I'll do my best to furnish a speedy answer.

In sending in your loggings, please use FRENDX log slips or a facsimile, remember to cut the slips apart, and include one signature slip so your name can be included in our contributors list.

73 de to

Tony

ANTENNAS/ACCESSORIES

EDITOR: MIKE AGNER C/O PA. BLUE SHIELD ERFORD RD. BLDG W6E1 CAMP HILL PA. 17109

Hi everyone! I hope this finds everyone in good health. We have some cleanup to do from last time, so let's go....

What follows is Al's article for the \$20 crystal marker that we showed you last time....take it, Al..

If you are looking for an easy and inexpensive project to do during a weekend this is the project for you. Don't get scared off by the ICs in the schematic. As long as you get your pin numbers right and you use sockets, you're in the ballpark. Here are some helpful hints to follow while you are building this project:

- a) use sockets for the ICs and transistor
- b) if you use a LED with a 3v. rating, use a 150 ohm resistor in series with it.

This entire project can be built on a project board. If you don't think the marker is working up to your expectations, try a .0002 pf capacitor connected between pins 1 and 2 of U1A. About the ICs; to find pin 1, look for a small imprinted dot on the back.

When using the 10 khz position, it may be necessary to disconnect the antenna, as the incoming signal may mask the marker signal slightly. This marker is accurate to about +.8 Khz, and is a dandy replacement for those who can't afford digital readout.

ERRATA (see the schematic from the last issue. mja):

- a) **U10** should be **U1D**. The first IC symbol on the left part of the schematic should be **U1A**. (My fault for not catching this. My apologies to anyone who might have gotten screwed up by this omission. mja)
- b) Both ICs are available at Radio Shack. U1 is a 4001 Quad 2 input NOR gate, Catalog number 276-2401. U2 is a 4017 Decade counter/divider, catalog number 276-2417. All resistors are 1/2 watt working voltage; all capacitors are low voltage types (editor note: I would suggest 15 watt working voltage or so- allow some for surges, transients, ect. While this might be considered overkill, better safe than sorry! mja)
- c) The connection off the 001 pf capacitor (lower right corner) should go to the receiver input (antenna terminal, sorry. mja), while the ground should go to receiver ground.

CREDITS: Al Schlaugat, also the original plan appeared in the Apr. 1976 issue of **QST**; with special thanks to W9KU who modified the circuit somewhat. (Sir, if you would get in touch with me, I will associate a name with that callsign. Thanks! mja)

Thanks, Al for that neat little schematic and article.

Now, while I have a little room yet, let me say a couple of things abt the Snake antenna that I alluded to in a past issue. What you need is about 40 foot of RG58/U coax and about 20 foot of insulated wire. Take the wire, and cut it down to 2 10 foot lengths. Take one of these and connect it to the center conductor of the coax; the other goes to the braid. It is a dandy performer on 60 metres, where I commonly get a lot of "hash" from nearby noise sources; and when I line it up pointing N/S, I get good Soviet reception- a real bonus! Kudos to Neal Perdue who brought this antenna to out attention in the 6/81 edition of **SWC**; this is one snake that definitely has a bite to it! (Before I forget, the center conductor on the other side of the coax goes to your receiver antenna terminal- leave the braid unconnected). For more notes on this antenna, pse see the aforementioned article.

COMING: THE SLINKY DIPOLE FROM OUR NEW LR*A ED. SEE YOU NEXT TIME! mja

AP BID ITEMS: ITEM #369: 3CR Community Radio(Australia)pink,black and white metal badge (1.5"cir)beautiful! #370: 3CR sticker(3.5x10")m/c. #371: 3CR sticker(2x10")m/c-sharp!
 #372: KIRO key chain,blue,white. #373: WRXL wing shaped "Air Force" lapel pin,B&W. #374: KEKZ "Rainbow" decal(4x7.5")m/c-beauty! #375: KLOL reflective sticker(3.5x12")m/c. #376: BBC "Topical Tapes" poster,m/c. #377: Radio Nelson(New Zealand)2 tone blue mini-frisbee-unusual! #378: WDR Radio(Germany)very large m/c station posters-beautiful! #379: Radio Tay (Scotland)decal(2.5x8")B&W. #380: 42A Radio Southland(New Zealand)sticker(4.5x5")m/c. #381: 42A red,white and blue metal badge(2"cir)very sharp! #382: WITL large cigarette lighter, m/c-nice! #383: WHDH T-Shirt(XL)B&W-"Blew the Cash Call". #384: WHDH paper folders(9x12") m/c. #385: Manx Radio(Isle of Man)decal(2x9")m/c-sharp! #386: 8DN(Australia)key chain-very nice item! #387: Radio Berlin International(DDR)B&W soccer ball key chain-really super!
 #388: RBI(DDR)coaster(4"cir)m/c-nice! #389: Radio Prague(Czechoslovakia)cloth book marker of a building(3x10.5")gold,B&W-georgeous! #390: Radio Prague cloth book marker of a woman with flowers(2.5x8")m/c-georgeous! #391: Radio Prague cloth double sided and plastic coated station pennant-very nice and rare!! #392: Radio Budapest(Hungary)key chain,B&W-nice! #393: Radio Polonia(Poland)red,white and silver lapel pin-rare! #394: Radio Budapest cloth pennant (4x6.5")m/c-beautiful! #395: Radio Berlin International(DDR)"DX Club" cloth pennant(6x9") m/c-beautiful! #396: IBA(Israel)tasseled "Flowers of the Holy Land" book marker(1.5x10") m/c-very nice! #397: Radio Prague 2' long red and gold lapel pin-great! #398: Radio Prague 1.5" long blue and gold lapel pin"45th Anniversary". #399: Radio Prague 1.5" long blue,red, gold lapel pin "45th Anniversary". #400: Radio Prague blue and gold lapel pin-sharp.....
 Numbers 397-400 are all different. I've been assured by Radio Prague that these items are a limited edition!! #401: Radio France International deck of 52 different playing cards in French with RFI Logo. #402: Radio Bucharest(Romania)metal lapel pin,m/c. #403: Radio Bucharest cloth pennant(4.5x7")blue,white-nice! #404: Radio France International blue & white bag tag(6"long). #405: Radio France International "Heart" shaped station pen,orange & black unusual! #406: FEBC(Philippines)paper pennant(4x9.5")m/c-rare! #407: Radio Mexico sticker (3.5x4.5")m/c. #408: Adventist World Radio(India)paper pennant(4x10")blue,white,yellow. #409: Deutschlandfunk(Germany)double sided vinyl pennant(5x8")m/c-very sharp! #410: Radio France International cloth hat,m/c-very nice! #411: Voice of America cloth pennant in Spanish(3.5x7.5")red,white and blue-most rare item!!! #412: Radio Victory(UK)sticker(3x9")m/c. #413: Radio Victory metal badge(1.5x2.5")red,white,blue-very nice! #414: Radio Victory(UK) coaster(4"cir)m/c. #415: Radio Nacional de Espana-Cataluna sticker(4x5")B&W"Aqui La Radio". #416: RNE-Cataluna sticker(4x5")B&W"La Radio". #417: RNE-Cataluna sticker(4x5")blue,white "En El Aire". #418: Radio Berlin International 3 different embossed first day covers of DDR stamps-very beautiful!! #419: Westdeutscher Rundfunk Radio(Germany)3 different m/c stickers from station! #420: WDR Radio(Germany)black and blue station pen-beautiful! #421: WDR Radio (Germany)red,white and gold "Owl" shaped station pin-beautiful! #422: Radio Nacional do Brasil sticker(3.5"cir)m/c-very nice! #423: LXX Radio Bay of Plenty(New Zealand)metallic sticker(4.5x4.5")m/c-georgeous! #424: BeneLux DX Club limited edition "20th Anniversary" sticker,blue,white. #425: 2YB(New Zealand)sticker(2.5x10")blue,white-nice!
P BID WINNERS: V. Gray(290), F. Iburg(254,292,295,297,302), Z. Schindler(244,245), B. Wien(247,276), N. Dickerson(234,255), M. Gilmer(246,262,286,293,298), B. Bradford(232,233,261), J. Cronin(240,279), M. Strickert(239), H. DuRant(257), W. O'Donnell(237,289), C. Leithner(230, 231,236,238,258,263), B. Leal(242), B. Hood(235), R. Harrington(259,267,287), G. Danilescu(266), D. Monferini(248,260), S. Meador(252), M. Schiesinger(251), G. Bettinger(274,275,281), D. Jakubowski(271), W. Johnson(283,282) and P. Sixe(284).... Thank you all very much...Sam.

RECT SALE ITEMS: The following stickers/decals are \$.25 each or any five(5) for \$1.00.....
 Minimum order \$1.00 - Please! New since last issue: WITL,WHDH,8DN,KSFX,KFCR,Radio Berlin International,CKNW(hockey),BRT-Belgium,Radio Bucharest,Radio Polonia,RFI(small),RFI(large)
Radio Victory(UK),WDIZ and KMEL. We also have KMOX,WJVA,WRCK(new),KCBS,WLXP,KATR,KBDF,CBE,
KBDF-1280,CFMI,KING,Radio Aire,Radio City-194,KWAX,KSRO,WLIR(large),WLIR(small),WFJA,WMMR,
WMET(yellow),KOKE,KHFI,Radio Hallam(UK),CKLM,WIRE,WDIA,Roz Radio,WQMF,WOWO,KJR,Swiss Radio International,Radio Tees,Piccadilly Radio,WAEB,KLTE,WLUP(rock),WLUP(loop),WINS,WMET,1ZB,
WPLR(large),WPLR(small),WDOV,KREM,Canadian Forces Network-FRG,WWWE,WMNI,KROY,WYSL,WWSW,
WPRF,WHAL,WKTJ,WCFL(large),WCFL(small),WDET(large),WDET(small),HCJB,RFI(large),ABC -Perth,
BBC-World Service,3MP,ORF-Austria,6WF and RFI 50th Anniversary.

DITIONAL DIRECT SALE ITEMS: Metal station badges from Radio City-194,WMET,CFTK,KZAM and KZAM "5th Anniversary" at \$.50 each: Radio Nederland stickers 3 different for \$1.00: Radio London and Radio Caroline mini-posters at \$.25 each: stickers from Radio El Mundo,3CV,
WYFR,Trans World Radio and Deutschlandfunk Radio at \$.50 each: WRCK napkins at \$.25 each:
WPEZ paper hat at \$.50: CBC tote bags at \$.50 each: WWWE litter bags at \$.50 each: WSBT/WWJY
 ice scraper at \$.50 each: WMMR book covers at \$.50 each: "Listen to the World on Shortwave
Radio" bumper stickers at \$1.00 each: WINS blue plastic visor hats at \$1.50 each: Iron-on
 patches from WEMP and WSAN at \$.50 each:

DRESS: Send your orders for direct sale items and your bids to Sam Barto, 460 Emmett St.,
 B-19, Bristol, CT. USA 06010.

DITIONAL INFORMATION: Send in a \$.37 SASE and receive our latest listing of unadvertised
 items. I'm sure you will be pleased...Sam. Your donation of pennants, stickers, foreign
 postage stamps and other items for our fund raising effort for the various HAP Chapters is
 very much appreciated. We need your support to keep going...Thank you so very much...Sam.

NASWA "UNITY AND FRIENDSHIP"

PUBLISHES FRENDX MONTHLY

NASWA MEMBERSHIP FEES:

First Class North America.....	\$16
Overseas, Surface Mail.....	\$16
Airmail to Central America, Caribbean, South America, Europe.....	\$25
Airmail to Asia, Africa, Pacific.....	\$28

All remittances must be in U.S. funds and mailed to: NASWA, P.O. Box 13, Liberty, IN., 47353, U.S.A.

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

North America (First Class).....	\$4.00
Overseas (Airmail).....	\$6.00

Sample copies of FRENDX and UPDATE are available for \$1.00 in N.A.
Overseas.....\$2.00

EXECUTIVE DIRECTOR & PUBLISHER - Bill Oliver, 45 Wildflower Road, Levittown, PA 19057

BUSINESS MANAGER & TREASURER - Mac Leonhardt, P.O. Box 13, Liberty, IN 47353

SHORTWAVE CENTER - John Moritz, Jr., 4779 Pine Trace, Youngstown, OH 44515

LISTENERS' NOTEBOOK - Glenn Hauser, Box 6287, Knoxville, TN. 37914-0287

QSL REPORT - Sam Barto, 460 Emmett St., Apt B-19, Bristol, CT 06010

UPDATE EDITOR - Tom Alleman, 615 43rd Terrace, Apt. 6, Kansas City, MO 64111

DISTRIBUTING EDITOR - Terry Colgan, 8120 Ripplewood Drive, Austin, TX 78758

LOG REPORT (A) - Terry Krueger, 84 S. Winter Park Drive, Casselberry, FL 32707

LOG REPORT (B) - Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

LOG REPORT (C) - Peter Schipelliti, 31 Beaverbrook Road, Burlington, MA 01803

LOG REPORT (D) - Steve Wiseblood, 707 Loma Way, Santa Maria, CA 93454

LOG REPORT (E) - Brett Saylor, P. O. Box 10, Whitehall, PA 18052

SCOREBOARD - Jerry Lineback, 115 Wroxton, Conroe, TX 77304

AWARDS CHAIRMAN - Dan Henderson, 7921 Anfred Drive, Laurel, MD 20810

COVER DESIGNS - Wesley Thompson 454 Pheasant Drive, Huntingdon Valley, PA 19006

COUNTRY LIST CHAIRMAN - Don Jensen, 5204 70th St., Kenosha, WI 53140

U.K. REPRESENTATIVE - Alan Thompson, 16 Ena Ave., Neath, W. Glamorgan, Great Britain SA 11 3AD

FIRST CLASS MAIL

NORTH AMERICAN SHORTWAVE ASSOCIATION

45 Wildflower Road

Levittown, Pennsylvania 19057

FIRST-CLASS MAIL

U.S. POSTAGE

PAID

Levittown, Pa.

Permit No. 319