

FRENDX



HCJB

NORTH AMERICAN SERVICE

UTC	My Time	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	My Time	EST AM	METER BAND
1200		The Sower Kingdom Insights	Insight for Living	Insight for Living	with Dr. Charles Swindoll	Insight for Living		King of Kings Mountain Peaks		8:00	16m 17890 kHz
1230		HAPPINESS IS We present HCJB staff, visitors, and in-depth topics daily.						HAPPINESS IS		8:30	
1300		MORNING IN THE MOUNTAINS							Children's Bible Hour	9:00	19m 15115 kHz
1300	Morning Song							Visit with Mrs. G Bible Adventures	9:30		
1400	VARIATIONS			*The Bible For You (1300) *Our Daily Bread (1315) SHALOM (1505)		*Thru The Bible (1430) *Pause for Good News *Your Time (1520)		CHRISTY Here's How Hobby of Kings The Word Today	10:30	11740 kHz	
1330	MOUNTAIN MEDITATIONS								10:30	11740 kHz	
1400	Back to God Hour							Morning Song	11:00	1430 UTC	
1600	VARIATIONS		Insight for Living		with Dr. Charles Swindoll	Insight for Living		Words of Hope	8M 8:20	25m 11930 kHz	
1700	Turning Point				BACK TO THE BIBLE			Haven of Rest	9:00	also south	
0035	SHALOM News for Christians NEWS	0035 NEWS	0045 Way to Life	0050 Guidelines for Family Living				King of Kings NEWS(0055)	8:35	19m	
0100	Calvary Hour	LATIN AMERICAN NEWS (0100)		PASSPORT	WORLD NEWS (0150)			WHAT IN THE WORLD MUSICA DEL ECUADOR	9:00	15155kHz	
0130	Back to God Hour	HCJB's magazine of the air. News, music and special features from Ecuador and the world.						CHRISTY DISCOVERY	9:30	31m 9745kHz	
0700	HCJB HOUR	Unshackled	Unshackled	Unshackled	SONSHINY DAY	Sounds of Joy		Songtime	10:00		
0720	Rendezvous The Sower	DX PARTY LINE	MUSICA DEL ECUADOR CHRISTY	DX PARTY LINE	MUSICAL MAILBAG	World of Science Hobby of Kings		DX PARTY LINE	10:30	31m 9745	
0750	Hour of Freedom		NEWS	Rendezvous	Guidelines (0310)	Rendezvous		American Christian Countdown	11:00		
0730	Songs in the Night	Grace Worship Hour	Showers of Blessing Chords of Love	World of Science Hobby of Kings	Songs in the Night	Open Door		VARIATIONS	11:30	49m 6093kHz	
0800		NEWS (0400)	MUSIC IN THE NIGHT (Sacred music and inspiration at the close of the day.)					NEWS Hour of Decision	12:00		
0830		HAPPINESS IS We present HCJB staff, visitors, and in-depth topics daily.						HAPPINESS IS		12:30	
0900	Christian Brotherhood Hour	Unshackled	Wonderful Words of Life MUSICA DEL ECUADOR	Unshackled	SHALOM Psychology for Living	Check it Out		Way to Life: Guidelines Youth Time Radio	1:00	25m 11935 kHz	
0930	HCJB HOUR	LATIN AMERICAN NEWS (0930)		PASSPORT	WORLD NEWS (0620)			WHAT IN THE WORLD MUSICA DEL ECUADOR	1:30	31m 9745 kHz	
0600	MUSICAL MAILBAG	HCJB's magazine of the air. News, music and special features from Ecuador and the world.						CHRISTY DISCOVERY	2:00	49m 6095 kHz	
0630	Heaven and Home Hour	DX PARTY LINE	Unshackled	DX PARTY LINE	SONSHINY DAY	World of Science Hobby of Kings		DX PARTY LINE	2:30		

DX PARTYLINE

DX PARTYLINE is aired three times a week on HCJB. Designed to aid listeners in their short wave listening hobby, the program offers information about broadcasters, equipment, and listening techniques. John Beck hosts the program. Each edition of the DX PARTYLINE features a profile of some short wave station. Of special interest, starting this July the Wednesday edition of the program will feature a segment on shortwave program schedules, with Larry Miller, and an introduction to propagation, with Jim Conrad. Other interesting features to watch for in July include a two part series on QSL reports (July 24 and 31), and a Club Profile on the Finnish DX Association (July 17).

NO COLLECT CALLS ON THESE ADS, PLEASE.

WANTED: Manual for DX-160 receiver and a copy of the book "Towers to Eternity" by Paul Freed, the story of TWR. Harry L. Smith, 3740 Bosart Road, Springfield, OH 45503.

FOR SALE: Hammarlund HQ-180C. Works all right but has minor repairable problem with clock and notch filter. Price \$120.00 plus shipping or trade for ??? (negotiable). Kevin Atkins, 5308 Stablehouse Drive, Pinson, AL 35126. Phone (205) 681-7113 from 2300 to 0300 GMT.

FOR SALE: Like new ICOM IC-K71 with FL44 filter. Realigned and audio power increase modifications. Price \$675.00 postpaid. J.F. Gallagher, c/o Box 247, Pocono Manor, PA 18349. Phone (717) 839-6022.

WANTED: Hammarlund HQ-180. Must be in excellent condition mechanically and electronically. Give details in letter. **FOR SALE:** Yaesu FRT-7700 antenna tuner. Make offer. Almond Merrill, 15 Middle Street, Oakland, ME 04963. Phone (207) 465-2254.

FOR SALE: INFO-TECH M-600 Multi-mode code receiver. Decodes morse code (cw) 5 to 60 wpm, Baudot at 45, 50, 57, 74, and 100 Baud (60, 66, 75, 100, and 132 wpm) Bit-inverted Baudot. Ascii at 75, 100, 150, 300, 600, and 1200 Baud. Tor in both ARQ and FEC modes. Dimensions: 16½ w x 3½ h x 10½ d. Black metal cabinet (12 lbs shipping weight). Great for the utility DXer. In mint condition; a real buy at \$650.00, worth more. I pay shipping. Frank John Petrick, Box 101 Twist Run Road, RD #3, Endicott, NY 13760. Phone (607) 785-0264.

FOR SALE: ICF-2001, \$100.00. ICF-6700W, \$200.00. Shipping included. Customized Beam Headings (from/to) and distances (Mi/Ki) to over 355 WRTH transmitter sites. Useful in picking alternate transmissions and selecting listening times based on distances. ITU Country Codes included. Send your location or coordinates, \$6.00. Gilfer Confidential Frequency List, 5th edition, and Guide to RTTY Frequencies, second edition, \$6.00 each. FRENEX complete 1984, \$5.00. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3B, Tryon, NC 28782. Phone (704) 894-3398.

WANTED: Contact with other members who would like to correspond by tapeconcerning various types of music and SWling. Charles George, 6407 Howard, Dallas, TX 75227.

FOR SALE: Realistic DX-360 AM/FM/SW portable communications receiver, \$65.00. Panasonic RF-3100 AM/FM/SW digital communications receiver, \$165.00. Sony ICF-2002 LW/AM/FM/SW digital communications receiver complete with manuals and accessories, mint condition, \$185.00. Drake SSR-1 communications receiver with manuals, \$200.00. Drake SPR-4 communications receiver, crystallized for 150 kHz to 30 MHz, notch filter, Calibrator, spare crystals, and 12 volt adaptor for mobile use, with manuals, \$375.00. All equipment is in excellent working condition. Certified check or money order only, please. Abe Lewkowicz, 13 Blanchard Road #1, South Weymouth, MA 02190. Phone (617) 331-5500 after 2300 GMT.

SURINAME DX CLUB

Formed in January, 1985, The Suriname DX Club International is an organization concentrating on Latin America. They publish a bi-monthly bulletin in English with some Dutch content named "Suricall." and an annual "SDXCI Station List." They also have a cassette service. More details and a sample copy of "Suricall" can be obtained for US\$1.00. Write to Ravindranath G. Sewdien, Bechaniestraat 58, Paramaribo, Suriname.



NEWS RELEASE

GILFER ASSOCIATES, INC.

52 Park Avenue, P.O. Box 239, Park Ridge, N.J. 07656 (Area Code 201 391-7887)

ANNUAL PRE-PUBLICATION OFFER

Park Ridge, N.J. GILFER is pleased to announce that the **WORLD RADIO TV HANDBOOK** will be available again this year through GILFER SHORTWAVE with big savings for club members.

The 40th Anniversary Edition of the WRH will be available earlier this year and it will contain more up-to-date listings of frequencies, times, schedules and special articles and news about shortwave.

The WRH —regular price \$19.95 — will be sold at \$15.95.
A SAVING of \$4.00 over the regular price.

CONTACT

Editor: Stephen G. Moye, 178 Bartlett Ave., Cranston, RI 02905 Phone: (401) 941-6497

I am beginning this month's column with a suggestion for future discussion and debate, and I am taking the liberty of doing so from the vantage point of a soap-box. I hope that you will bear with me in this, for I feel that the subject is of sufficient importance to warrant this approach. Very well then....

At various times I have, of my own accord, been moved to praise the ICOM R71A in this column, and may have encouraged some of you to part with a large sum of money and purchase the instrument, as I did. It would seem that my praise was, at least in part, somewhat premature: all the facts were not in. It now appears that upon the failure of a small and inexpensive battery, the entire radio is rendered completely inoperable; furthermore, there is absolutely nothing you or I can do about it -- that is, only the factory or ICOM service center can replace the battery because the radio's operating program must be re-programmed at the same time: most definitely not a do-it-yourself project. That was rather nicely put, wasn't it? Permit me to put it more crudely: The failure of a \$6 battery is going to bring a \$700+ receiver to its knees. Furthermore, ICOM is going to bring us to our knees: we will have to shell-out still more money for shipping and service charges; we will have to endure the loss of the radio while it is being repaired; and we will have to consign the radio to the unknowable rigors of shipment. All because of a lousy \$6 battery. What is more, you can look forward to going through this every 5 - 7 years (ICOM's estimate). (I just had a strange thought. I wonder if, at the heart of ICOM's reasoning, lies the assumption that after five to seven years the average consumer is in the market for a new \$700+ receiver and so will take the line of least resistance and purchase a new one rather than go through the inconvenience of replacing the battery. Absurd? Perhaps, but it seems to me that any company that designs a radio to fail upon the failure of a back-up battery is in a somewhat exalted position to give us some profound insights into the nature of absurdity. It's just a thought...)

This lunatic design decision was probably based on a false economy: it is cheaper (in the short term only) to program an all-purpose RAM IC (random access memory integrated circuit) and keep it 'alive' by a battery than it is to design and manufacture a custom ROM (read only memory). While this indeed keeps the retail price down, the consumer will eventually have to pay, literally, for this savings -- more so as there is a decided inconvenience factor at work here. The point is that this is information about the receiver that ought to have been made available to the consumer by ICOM, and by ICOM's retailers as soon as they found out about it, in order to assist in the making of sound and satisfying purchase decisions. Now that this information is coming out into the open, it seems to me that two things must happen:

First: ICOM ought to make available the operating program of the R71A (and other transceivers in which this peculiarity exists) on ROM as at least an option; in this case the back-up battery would hold only the 32 programmable memories in place -- and this battery must be made easily replaceable by the owner. On the other hand, ICOM ought to make available to those who have already bought the R71A, the option of retro-fitting it with a ROM-based operating program -- at a very fair and attractive price indeed. Again, any such retro-fitting must provide for easy replacement of the back-up battery that holds the 32 program memories in place.

Second, we consumers must make it quite clear to manufacturers, of which ICOM is only one, that we will not accept nor part with hard-earned dollars to purchase faulty design. If there is some aspect of your receiver's performance with which you are not satisfied, then write to the manufacturers and say so. That manufacturers need to know this sort of thing is precisely what Richard Oddie the July CONTACT when he argued persuasively for market research, and this is just a practical case that might have been avoided if ICOM had been more keenly aware of our needs as SWLers. I look forward to hearing from you about all this: do write and let me know.

After that extensive tirade let's move on to your letters. I received a nice note from H. Dickson Norman (Chairman of the Board, NDXE World Radio, 705 2nd Avenue, Opelika, AL, 36801 USA):

I have followed your NDXE coverage in FRENDEX!!! We appreciate your support. We thought your readers would like to know about our progress and have enclosed a copy of our latest newsletter. Also, we would like to hear from all FRENDEX readers with their program suggestions. NDXE plans DX, Ham, and other SWL programs with contests and events with prizes of cash and merchandise that will certainly attract interest globally to this exciting hobby. We would like suggestions pertaining to these features. Thanks again for promoting radio!!

According to the newsletter mentioned by Mr. Norman, sign-on of NDXE is expected in Spring of 1986, pending equipment delivery. The programming day will be 22 hours with programs beamed, in turn, to all of the various parts of the world; tentatively, North American broadcasts will take place between 1400 - 2300UTC on the 25mb and the 19mb.

NDXE programming will be very unique to the HF spectrum and we know you will all enjoy hearing this new "international mass appeal" format developed for NDXE by Mr. Gene Taylor, former President and General Manager of WLS in Chicago. Mr. Taylor has joined NDXE as Director of Broadcasts. You may write for a sample program tape by sending \$10US or International Postal Money Order made to the order of NDXE Global Radio, P.O. Box 569, Opelika, AL 36801. We also have available NDXE license plates for \$10, NDXE Sun Visors for \$10, and two NDXE cups for \$10 each. You may obtain these from the same address above.

Best of luck to all involved, and I hope we'll hear more in the way of progress reports.

An interesting observation, that you may have noticed too, comes from John McKellar (Chico, California):

Anyone who has ever listened to Radio Moscow's World Service should know that it is nothing more than a copy of the BBC's World Service format. The Kremlin Bells every hour, the English accents of the announcers, and so on. Like many listeners, I wrote to RM and questioned their originality, although they responded that many people around the world like their version of a World Service. I suppose that's fine, a radio station format cannot be copyrighted, certainly. But I have discovered that RM has taken this one step further.

The people at RM have discovered that Radio France International is very popular with French speaking listeners around the world, so you can guess what they did. There is now a "Radio Moscou International," which transmits in French at 0500 and 1700UTC daily, and if it weren't for the the pro-Soviet bias and station identification, you'd swear you were listening to RFI. Between news items, they even have accordion music interludes, like RFI.

Admittedly, some of RM's programs are entertaining, but it doesn't make sense that a major international broadcaster has to go around copying programming formats from other stations. Can you imagine the BBC starting a program, "Roundabout the United Kingdom?"

I have a hunch that is not an instance of "imitation being the sincerest form of flattery."

Next, a letter from Tim Davisson (KD8GZ, Box 255, Cuyahoga Falls, Ohio 44222); it was from Tim that I received one of my first letters as editor of CONTACT:

As a former Florida resident, I would enjoy corresponding with other DXers in the Tampa and Miami metro areas. Please give my complete mailing address. I am age 36, a former radio announcer (spent 1973-77 a Q105-FM in Tampa) and a SW/BCB hobbyist/ham operator. I now work for a computer/electronics junior college in the Akron area. Many thanks CONTACT.

Comment on stations who try to force listenership by requiring a certain number of reception reports in a short period of time to get a QSL (e.g. Belgium, Bulgaria, etc.): YEECH! If their programming were strong in content and appeal (perhaps it is)...bribery would be unnecessary to attract steady listenership. In this over-hyped world, this type of approach by SWBC stations is, to me, unwelcome!

And finally, Radio Japan/NHK is one of my favorite stations! Damn the sunspot

cycle! The evening (EDT) broadcast to ECNA hasn't been heard in months! Any suggestions (other than moving to California, hi!)??!

I quite agree with you about Radio Japan and would also welcome some information.

Some lines of inquiry previously noted in this column are interestingly taken up in a letter from Steven Phipps (Columbia, Missouri):

I am writing in response to Erich Schulman's letter in the August CONTACT.

Regarding loggings: I use both detailed and tabular format logs. The detailed logs are useful, but when all I want to know is a specific time and frequency it's a hassle to skim through all those pages of detailed loggings to find it.

Regarding MW DXing: I think its value all depends on your personal feelings as to just what constitutes worthwhile DX. I really happen to enjoy being able to hear Canadian and Mexican domestic radio, and even faraway U.S. MW radio. Although Mr. Schulman says he can only seldom hear TWR-Bonair on 800, and when he can it's weak, I find I can often tune it in quite clearly on my car radio. Also, perhaps if I lived on the East Coast I could DX some European MW stations, since European DXers do occasionally hear North, Central, and South American MW stations. (Even TWR-Bonair was reported -- with a SINPO of 21541 -- to the World DX Club by a British DXer!

Personally, I have had no luck whatever with MW DX (outside of a chance encounter with R. Paradise, St. Kitts, 825 kHz at SINPO 33333, 11 FEB 85), and anyone who can do it on an on-going basis has my admiration. Thank you for the logging information -- this subject is still wide open: does anyone else have some contribution to make?

P.S. In rereading my comments about the ICOM R71A I feel that I may have left myself open to the charge of not giving credit where it is due. I wish to go on record by saying that I still believe the R71A to be an outstanding receiver that gives outstanding feature/\$ value. When properly configured, it is, I believe, the finest receiver on the market for the money. Let us simply say that its many superlative qualities only render its faults more glaring and regrettable. It is my sincere hope that a reasonable and equitable solution can be found to the problem I have described.

§ § CONTACT NOTES § §

Those who have been following the pre-publication trials and tribulations of Radio Database International will be as pleased as I was that all is very well indeed. I have just received my copy in the mail and it is absolutely wonderful, and more than fulfills my expectations. The amount of information and detail it contains is stupendous and well worth the wait. Its format is compact (10" x 7") and it is extremely easy to use. The work is divided into two parts: Part One covers 5.73 - 26.1 MHz; Part Two covers the tropical bands (2 - 5.73 MHz). A large section of superb equipment reviews by Lawrence Magne is also included. With the WRTH, the RDI will become, I am sure, an absolutely indispensable research and listening tool. Part One is \$9.95 + \$1.85 s/h; Part Two is \$4.95 + 85¢ s/h. Order from: C.P.O. 300, Penn's Park, PA 18943. Heartiest congratulations to everyone at International Broadcasting Services, Ltd., for a splendid piece of work very well done indeed.

73-



Easy Listening

Editor: Alex Batman, 4636 Alvin Dark, Apt. 2, Baton Rouge, LA 70820

Every so often I see one of the columns in *FRENDX* or some other shortwave publication requesting that its readership do a little more contributing. My response is usually about the same. I say to myself ("Self," I say) "maybe I will next month," and then usually forget about it two days later because other things come up and get in the way. By about a week later the idea of making a contribution has gotten to be a nuisance rather than a pleasure. Well, sorry, but I'm about to make the same request. It's not that I mind doing most of the programs myself. In fact, reviewing programs for the column is the most relaxing, enjoyable, entertaining and informative part of my day. But then "Easy Listening" tends to reflect what I want to listen to, on times and frequencies that are the most easily accessible to me. I hope that some time in the future it will reflect instead the entire *NASWA* organization rather than a small, admittedly opinionated parcel of turf in Baton Rouge.

If you do decide to make a contribution, please include the following: 1) day of the week (U.S. time--changing dates at 0700 GMT), 2) time of day (GMT), 3) Station name, 4) the name of the program (not absolutely necessary if you can't catch the title, but preferred), 5) a brief description of the program details, 6) the frequencies.

SUNDAY

1645-1700: "Letter from America by Alistair Cooke" (BBC). All those who love Alistair Cooke's introductions to *Masterpiece Theater* will probably love this as well. Each week features a loosely structured essay written and read by Alistair Cooke on some topic relating to America and her role in the global community, a current topic in the U.S. newspapers, or some topic of international concern sparked by its association with the United States (i.e., the United Nations). (11775/15260; bx earlier on Saturdays at 0545 on 6175/9510; repeated on Sundays at 2315 on 6175/5975/6175/7325/9590/9915).

2240-2255: "Israel Mosaic" (Kol Israel). This magazine format each week focuses on different topics current in Israel or concerning Israelis. Past shows have included features on "Fashion Week" in Israel, an archaeological discovery near Galilee, the work of an Israeli scientist working on an effective shark repellent, and a conference of physicians on psychosomatic illnesses. (11655/11605/9815/9435; repeated at 0100 on 9815/9435/7410).

MONDAY

1130-1200: "Album Time" (BBC) Each week Gloria Hunneford presents an average of about eight cuts selected from current albums, some on request. Style of music ranges from pop to standards (but very little hard rock), and each week features an "Old and New Spot" focusing on the re-release of a previous hit. Sometimes she plays both versions, sometimes only the new. (6195/9510/11775)

0230-0245: "Countdown" (Voice of Free China). This program features three of the current top ten hits in Taiwan. The format, as the

title suggests, is a countdown. I admit to being prejudiced in favor of this program because I find Chinese popular music to be some of the most beautiful soft rock in the world. (5985; bx earlier on Sundays at 0130 and 0530 on 5935).

TUESDAY

0030-0100: "Now Music U.S.A." (Voice of America). This program is hard to characterize because of its various features. All programs feature current hits in a manner and style that reminds me of Casey Cason's "American Top 40", but some nights focus on a single performer ("Star Profiles"), some on rhythm and blues ("Soul Showcase"), and some on the top ten list of a previous year. Thursday is always the current top ten for the week according to Billboard. (9.455/6130--not on other VOA frequencies bxing to the Caribbean at the same time). TWTH

0110-0125: "The Cuban Story" (Radio Havana). The program is a rather scholarly overview of selected episodes in Cuban history. Of course the view of history is largely affected by the official party view, and occasional programs (though not all of them) take the opportunity to sneak in a little anti-American propoganda (6100/6140/9740; repeated at 0310 and 0510 on the same frequencies).

WEDNESDAY

0215-0230: "Mandarin Kitchen" (Voice of Free China). Each week the program features a recipe for a different Chinese dish. Madame Fu Pe Me outlines the recipe and advises on the finer points in the preparation, and written recipes are available on request. The only trouble with this program is that an hour later you want to listen to it again. (5985)

0405-0430: "Music in the Night" (HCJB, Ecuador). The program blends inspirational music (quite mellow and soothing) around a selected Biblical passage whose text provides the theme for the sermon and the musical selections which alternate with it. Averages around 5 songs per program. (9745/6095). M-F.

THURSDAY

0050-0105: "Studio Three" (Vatican Radio). This is Vatican Radio's current affairs program. Some programs are a magazine format with several features (i.e., the "right to life" movement in Switzerland, an interview with a priest arrested in the Philippines), and some programs spotlight a single issue (race relations in South Africa and the role of the Church). Ends with "Newsdesk", five minutes of current headlines. (6015/9605/11345). Every other week.

0330-0400: "Business Matters" (BBC). An in-depth look at all the issues which could and do affect businesses, especially British businesses with international markets. Includes a weekly commodities report. (5975/6175).

FRIDAY

2345-2400: "The Ukraine Today" (Radio Kiev). A daily magazine program that features issues loosely related to life in the Ukraine. Past programs have featured rural medicine in the Ukraine, interviews with Ukrainian delegates to the Youth Festival in Moscow, and reports on the Ukrainian soccer team, including interviews with the players. (9635/11720/11790/13605/15180; repeated at 0215 on 7175/11720/11790/13605/15130).

0135-0150: "Spotlight on Modern Life" (Deutsche Welle). A magazine

program focusing on modern life in West Germany. Past shows have featured the psychological problems of the unemployed and their children, international student exchange programs, demographic surveys on marriages between West German women and foreign men, and a feature on the Amnesty clinic in West Germany for victims of torture. (6040/6035/6145/9545/9565/11785; repeated for West Coast at 0535 on 5960/6130/9545/9690/11705).

SATURDAY

~~0055-0055~~: "Spanish Hit Parade" (Spanish Foreign Radio). Each week the program features current hits from the top ten in Spain. The song's position on the charts is never given, but the name of the performer is always mentioned, and song titles are given in both Spanish and English. Some songs are repeated from previous weeks, and the show demonstrates a propensity for rock. (9630/11380; repeated at 0135 on the same frequencies and for the West Coast at 0535 on 5970/6125/9630).

0115-0130: "Musica del Ecuador" (HCJB). The program features traditional Ecuadorian music (usually 3 or 4 songs per program). There is also a brief feature on the history of Ecuador that lasts about 2 minutes. Only rarely is there any religious commentary. (9745/15155).

Alex Batina

TGNA ITEMS

from MARLIN A. FIELD
128 OAK
HILLSDALE, MI 49242

Steve Sywulka, Director of TGNA, mentioned in his letters that...

"Rationing of electricity in Gualatemala keeps the main transmitters off the air from two to three hours a day."

"The increase in power of TGNA on 3300 kHz from 250 watts to 10,000 watts also increased the station's electricity bill by \$600 per month."

"The pile of powered milk bags has finally just about disappeared from the corner of TGNA's main studio. The studio floor has been covered with food supplies, used clothing, and medicine during several disaster situations over the years. TGNA is part of the emergency committee formed by CAM and the Guatemalan churches, so when we receive a shipment of 30 tons of milk to distribute to the refugees and other needy people, guess where it ends up being stored!"



Soundwaves

Editor: Paul Lannuier, 25 MacArthur Ave., Closter, NJ 07624

Editor: Paul Lannuier 25 Mac Arthur Ave. Closter, N.J. 07624

Hello, people. I hope that everyone has done more DXing than me this summer. Unfortunately, I've found little time lately to do any SERIOUS listening, but still managed to catch a few new countries, two of which played great local music. First was Mauritania on Aug 5, with ORTM on 4845 kHz. The WRTH says 0600-0830 GMT on "workdays", and the interval signal played on a "Mauritanian guitar", which I noted at 0700 GMT. On Aug 8, I finally logged Tahiti. This was actually the second time I've heard them, but I started my "countries heard" list over again in Jan 84. They were heard with a decent signal on 11825 kHz at 0430 GMT, playing great "island music".

This month's mailbag includes a letter from Steve Moye, who notes that he is great fan of Tango music. He finds that RAE, Radio Argentina al Exterior, plays lots of this style of music, which dates back to about the turn of the 20th century. RAE can be heard at 0100-0200 GMT on 9690/11710 kHz. Steve also says that he spent a good deal of time in graduate school studying Indian music, and is currently trying to find useful frequencies and times for All India Radio. Sorry, Steve. Can't help you with this. I have never had any luck with AIR, despite their high-power transmitters (WRTH says 250 kW). He also comments on SW audio quality: "While it is true that SW does not deliver compact-disc quality sound, it DOES deliver an extraordinary quantity and variety of music styles; styles to which very few of us would otherwise have any access at all". Well put, Steve.

Sheryl Paszkiewicz writes back with a few tips for African music, via Voice of America's African Service. "African Sounds" is heard at 1730 GMT Monday-Saturday on 15410 kHz, featuring some local music lots of popular soul tunes, usually at the request of listeners. George Collinet is the host. "Music Time in Africa" can be heard at the same time and frequency on Sundays, with strictly African folk music making up the programming. Sheryl also enjoys listening to Radio Luxembourg's French service. Lot's of French and European pop, with announcements in French. Try for it in the afternoon on 15350 kHz.

Ralph Bowden and Dr. Al Gilbert both wrote in asking about some of my equipment, which I listed in my first column. Ralph mainly wanted to know about my Datong AD-270 active antenna, while Al wants to know where he can get a catalog or price list for the SONY ICF-6500W, RAK antenna tuner, and also the Datong. As I told Ralph in a letter, I bought the antenna for use in my Boston apartment, which was in the middle of town. I recommend this antenna highly, as I got excellent results in cutting down unwanted QRM from the

many local FM transmitters in the area. Now, back in Jersey, I just have it strung across my shack between a couple of bookshelves, and it works fine. I plan on keeping it because I have little luck in keeping longwires up around here, especially in the winter. As for the rest of the equipment, I bought my SONY from Spectronics (1009 Garfield St., Oak Park, Illinois 60304) during their big ICF-6500W closeout sale last August, and I believe their stock has been depleted. The RAK tuner was purchased from Gilfer (52 Park Ave, Park Ridge, N.J. 07656) years ago for my DX-160 (back before I gave up on longwires!). I don't think that this unit is available any more, but they most likely carry something similar.

LAST MINUTE ITEMS DEPT.: Just received the latest issue of 'The Shortwave Guide', which lists the entire BBC World Service program schedule. Here's a day-by-day list of most of their music programs (all times GMT).

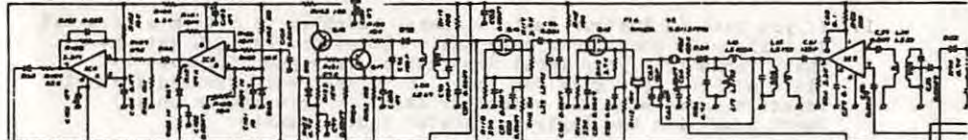
SUN: 0330 My Music	MON: 0100 Desert Island Discs
0430 The Best of Folk	0145 The Sacred Choir
0630 Jazz For the Asking	0230 Music Now (also 1000)
1345 Request Show	0545 Recording of the Week
1500 Concert Hall	2115 Sounds of the Seventies
1915 Desert Island Discs	
TUE: 0430 The Sacred Choir	WED: 0145 Country Style
1345 Recording of Week	0815 Classical Record Review
2115 Concert Hall	1030 My Music
	1330 Music from the Movies
THU: 0430 Classical Record Review	1830 Top 20 (also 2330)
0730 Sounds of the Seventies	FRI: 0430 Country Style
0815 Country Style	0730 The Best of Folk
1000 Music From the Movies	0815 The Sacred Choir
1445 The Best of Folk	1000 Sounds of the Seventies
	1215 Jazz for the Asking
SAT: 0045 Recording of the Week	1515 Desert Island Discs
0630 Album Time (also 1715)	1830 Music From the Movies
2030 Jazz for the Asking	2330 My Music

RANDOM THOUGHTS DEPT.: For a while now I've been wondering about these SW converter units that you hook up to car radios. If one is used with a digital stereo, how well would it perform. I have yet to meet anyone who has actually done this, and would appreciate any info on this, and also mobile antenna instalations, for a possible future column.

Until next time, '73's and good listening!

Paul

Technical Topics



Editor: T.J. "Skip" Arey, WB2GHA, P.O. Box 45, Beverly, NJ 08010

MOVING DAZE OR HOW I SPENT MY SUMMER VACATION

Recently your humble editor had the dubious pleasure of moving from the confines of my mother in law's house to my very own home.

The act of moving is something you should wish only on your worst enemy. But for some reason we tend to wish it on ourselves (IBM employees excluded).

The radio hobbyist must give special consideration to the moving event if he or she expects to remain a radio hobbyist instead of a dealer in electronic salvage.

Allow me to give some advice to potential radio movers out there in FRENDXland.

- I) Plan the moving of your radio equipment well in advance. Advanced planning forces you to consider all special needs of moving your hobby.
- eg.) a) Obtaining special (or original) containers for your receivers.
- b) Finding safe, sound and idiotproof packing of your QSL's, awards, etc..
- c) Some thought must be given to your power requirements and the availability of power in your new location. There could be nothing more frustrating than planning to set up half a dozen radios in a room only to discover, upon arrival in your new local, that the room has but one outlet. 6 plugs + 1 outlet = blown fuses, wires sizzling inside walls, fire...all kinds of fun for the new home owner.

The more you plan ahead the quicker your new listening post will be in operation.

- II) Take your antennas down well in advance of your moving day. This assures two things. First that you won't be rushed and find yourself damaging antenna pieces (snapping bolts, breaking insulator parts, etc.). Second, it will allow you to give full consideration to any form of weathering damage so that it can be repaired prior to new placement. If you are using any form of commercial antenna you might find some of the insulated parts might have broken down due to attack by the elements over time. The extra lead time you give yourself will make it possible to contact the manufacturer for replacement parts. Those of you with portable gear have an advantage here because you are not taken completely out of the game when the antennas come down. You can count this as excuse number 4715 in why you should run out and buy a Sony 2010. (It worked for me) Those of you who simply must have an antenna while waiting to move can find relief for your ether addiction later in this article.

- III) Buy items such as new antenna insulators and ground rods before the move.

I know its more stuff to move but you may not be just around the corner from Radio Shack in your new location and this might delay your return to dial twisting, so pack what you need to save trips later. Something you might need to think about is the kind of ground your house is set on both in terms of ground conductivity and in terms of just how hard it is going to be to get that ground rod driven into the ground. More on this when we discuss "Our friend the Ground" in a future installment of Technical Topics

- IV) If you have an Amateur Radio license, remember to obtain a form 610 to tell Uncle about your new station location. You can get one of these forms from your local Ham club or from your friendly F.C.C. field office. Make sure you latch on to the newly revised form 610 (thats the one with the volunteer examiner information on it). Don't mess with the Eagle...transfer your license.
- V) If at all possible, move your radios yourself!!!!!!!!!!!!!!!!!!!!!! Do not let anyone touch your precious hardware. Load it into the car and make a special trip. It seems that moving van vibrations bring out all kinds of problems. You know...the kind that the van company insurance policy doesn't cover. Remember, we are using stuff made by Icom, Sony, Collins, Yaseu, etc... NOT TIMEX!!! You never saw John Cameron Swazey strap a FRG-7000 to the tread of a military tank now have you? Believe me, a moving truck can rattle even army surplus gear and that is saying something folks.
- VI) SPECIAL TO MARRIED TYPES. especially those whose spouses do not share an interest in our hobby. For heaven's sake make sure you unpack everything else first and fix all those little things that need fixing around the house before you start setting up your new shack. This minor act of diplomacy will go a long way in fostering good feelings about our hobby, insure peace in our time and maby even bring about an expeditious assent to your next radio purchase.

Whatsamatter Bunky? ya say you took down your antennas and you got nuthin to listen to? Ya say you won't get a chance to put up a new aerial for another couple of weeks. Is that whats dimming your pilot light friend?

Well take heart O radioperson and make use of Doctor Arey's patented College Dorm Tinfoil-Tenna.

Every now and again in the life of a radio hobbyist comes a time and situation that tends to prevent participation in the hobby due to anti-antenna rules and customs. This became your humble editor's cross to bear during his college dorm years. Grant it there were many interesting things to do at school but I still wanted to do some SWling. But no antennas were allowed out of our dorm windows. What to do? Simply go to the local store and buy a roll of aluminum foil. Thumbtack the tinfoil along the top of the longest wall of the room and, if you can bring it along on a side wall, so that you have tinfoil hung posterlike around two walls of the room. Attach a piece of wire to one lower corner of the foil and hook this up to your radio. Ground the rig to the nearest cold water pipe. And there you have it. One cheap and dirty DX antenna. Grant it, its no beverage or hot shot log-periodic but it will keep you busy around the log book.

So as your see, moving is a hassle but it doesn't mean an end to your hobby if you just use the same resourcefulness you use to track down that rare station and apply it to the problem at hand you can't go far wrong.

Well folks, that brings us to the end of another edition of Technical Topics. Many of you are sending in great material for future issues. We are still looking for more reviews of your favorite receivers. Anyone out there still DXing with a Modern Radio Labs Crystal Set??? Join in the fun and keep my new postmaster confused as you fill my new Post Office Box C-4, Cinnaminson, New Jersey 08077 address with radio effluvia.

73
Ship

AWARDS

JOHN M. KAPINOS

86 South Quinsigamond Avenue
Shrewsbury, Massachusetts 01545
United States of America

**** FIVE NEW NASWA AWARDS ****

It is with great pleasure that we announce the following new Awards.
All are available for immediate distribution.

- SENIOR TIME STATION DXER For verification of at least 10 different time stations in all 6 continents
- MASTER TIME STATION DXER For verification of at least 20 different time stations in all 6 continents
- AUSTRALIAN DXER For verification of at least 7 different Australian shortwave broadcast transmitter sites
- SENIOR RADIO MOSCOW DXER For verification of at least 25 different Radio Moscow transmitter sites
- MASTER RADIO MOSCOW DXER For verification of at least 50 different Radio Moscow transmitter sites

Note: For the Radio Moscow Awards, the station MUST be Radio Moscow and the site must appear on the QSL. Radio Vilnius, Radio Baku, Radio Yerevan, Radio Minsk, Radio Kiev, etc. are NOT eligible.

Our thanks to Short Wave Center Editor Emeritus John Herkimer for preparing the artwork for these Awards.

During the month of August 1985 the following NASWA members received Awards:

C. Vernon Hyson, Matthews, SC: European Continental DXer; Arab World DXer and Soviet Sphere DXer

Thomas V. Ross, Lyons, IL: European Continental DXPERT; World Wide DXer and All Continent QRP DXER (50 KW)

Joe Kremer, Columbia, SC: European Continental DXER

Ray Forsgren, Chippewa Falls, WI: European Continental DXER

Hans Sparreboom, Tofield, Alberta: World Wide DXER

Gayle Van Horn, Orange Park, FL: Asian Continental DXER; Soviet Sphere DXER; All Continent QRP DXER (50 KW)

Harry L. Smith, Springfield, OH: DXer de Pacifica; Senior Ecclesiastic DXER; North American Continental DXER; North American Continental DXPERT

Walter F. Kunz, Dunmore, PA: North American Continental DXPERT

Keiichi Kondo, Hokkaido, Japan: European Continental DXER; Asian Continental DXER.

That's about it for this month.

Best, *Cap* 9/9/85



EDXC COMPUTER CONTEST SURVEY



COMPLETE AND RETURN TO THE
EUROPEAN DX COUNCIL NOW!

The European DX Council is organising a worldwide survey to find out how shortwave listeners use their home computer in the hobby. Please take a few minutes to fill out the form and return it to the address shown. If you return the form before **FEBRUARY 1st 1986**, your name will be added to the Computer contest draw. Prizes include a copy of a special unique hardback edition of the World Radio TV Handbook 1986.

1. Name _____
2. Address _____
3. Which receiver do you use for shortwave listening _____
4. Which home computer do you use? _____
5. How long have you been listening to shortwave? _____
6. How long have you had a computer? _____
7. How do you use the computer in your hobby? (tick one or more boxes)
 - a) As a word processor for writing reception reports.
 - b) As a database for storing names and details of stations heard.
 - c) For directly controlling the shortwave radio (e.g. Yaesu CAT system)
 - d) For RTTY decoding. If so, what interface do you use?

 - e) For Slow Scan TV. If so, what interface do you use?

 - f) For propagation predictions (e.g. with MINIMUF, MICROMUF etc).
8. Did you buy your computer primarily for use with SWling? Yes or No? _____
9. If you do not use the computer for direct control of the receiver, would you consider purchasing an interface/software to do this in the future? Assume the facility would include a database of some 32 favorite stations? Please give reasons for your answer.

10. Does your computer cause interference problems to your radio reception? If not, how have you solved this common problem?

11. Which age group do you belong to? 10-20 21-25 26-35 36-50 51-66 over 66.

Feel free to add any further comments that you feel might be of help to others (circuits developed, experience with certain dealers, etc) Send completed form(s) to Paul Ellis, EDXC Computer Survey, P.O. Box 348, 1270 AH Huizen, The Netherlands. (Huizen is pronounced "How-zun"). Photocopies of this form are also accepted. Reproduction of this form in magazines is encouraged. Incomplete/illegible forms will **NOT** be entered for the contest. Thank you for your help.

MILWAUKEE ANARCDOTES

by Andy Sennitt

Chicago O'Hare airport, 4.45 pm Central Daylight Time, Thursday 18th July. After a less than perfect flight in which I seemed to be surrounded by high-spirited returning vacationers, I discover that a single transit bus has thoughtfully been provided to offload the 440 passengers on our British Airways 747. Eventually I reach the immigration desk. "Business or pleasure?" asks the official. Since I have just been subjected to an ordeal at the start of the ANARC Convention weekend, I pause for thought. Then, remembering who is going to sign my expenses cheque, I reply "business" and soon arrive in the baggage claim area for another long wait. Finally, at 6. pm I leave the claustrophobic baggage hall to enter the equally claustrophobic arrivals area. "Andy..." shouts a familiar, and welcomingly friendly voice. It's Jeff White, along with George Wood of SRI and Bob Zanotti of RSI - wait a minute, that's George Wood of RSI and...well, anyway, it's good to see them. But we must hurry - Ian McFarland lands in a few minutes. Huh? I know Ian is versatile, but that's ridiculous. Oh, you mean his plane is landing in a few minutes - sorry, it's been a long flight!

Thus began my six days sojourn in the mid-west. After missing Rudy Espinal by (it seems) waiting for him at the wrong gate, we eventually all met up at the home of Mike and Suzanne Poulos, for a barbeque along with family and friends of the Radio Earth gang. Early the next day, it was off to Milwaukee and the Red Carpet Hotel. ANARCON 85 was under way. Friday was spent (at least by yours truly) in the registration and display area, meeting old friends and making new acquaintances. Time passed so quickly that suddenly it was already the formal start of the Convention, in the form of a reception sponsored by Radio Earth and Miller Publishing. The food was plentiful and the beer cold. Things were really looking good. Little did we know that ANARC's PR man Randy Erickson had something real special up his sleeve, which would cause those unfortunate enough to be still eating some discomfort!

Randy announced that he was about to do a "This Is Your Life" on someone well known to us all. But instead of wheeling on people from the victim's past, Randy used a slide projector and live script to reveal the truth about - Ian McFarland. To say that it was well done would be an understatement. Basically, it was brilliant! What Randy had done was to find a lot of photos onto which he skilfully superimposed Ian's face - as a member of a rock band, a team of tough guys from a TV series, and lots more. Randy has us rolling in the aisles - well, me, anyway because I happened to be sitting on the floor at the time. (No, I'm not saying why!). I hope this brilliant idea is repeated next year with another victim - as long as it isn't me.

Saturday saw various working sessions and a optional tour of Milwaukee. For my part, I remained in the exhibition hall most of the time because I wanted to talk to as many people as possible. I always want to talk - ask anyone who knows me! The annual banquet came in the evening, and it was good to see Clayton Howard, recently retired from HCJB, looking so fit and well. He was the guest speaker, and recounted some of the most memorable and amusing incidents of his 43-year career. Meanwhile, having discovered that wine and beer were not being provided for the banquet, an enterprising colleague at my table arranged for room service to deliver some beer - to the banquet hall. This unorthodox but effective plan earned the admiration of the others around the table, who shared in the spoils. I'm sure this had nothing to do with the fact that the gentlemen concerned is planning to run for political office!

After the banquet speech came the traditional auction. I say traditional, but in fact this was a rearrangement from the original plan. It had been intended to hold an ANARC raffle after the banquet, and a HAP auction on Sunday afternoon. Only the laws of the State of Wisconsin prevented this good idea from materializing. It seems you can hold a raffle in Wisconsin provided they know who you are - and shortwave listening doesn't seem to be universally popular amongst the State officials! Or maybe the name ANARC sounded too much like Anarchy. That would also explain

the strong police presence in the area throughout the weekend. Anarchists with radio gear are enough to get any cop in an excited state - on the other hand, maybe it was just all those beautiful girls who kept walking around the hotel in very little at all, on their way to and from the swimming pool!

Back to Saturday night, and the auction lasted until after midnight, delaying the taping of a live show by Radio Earth. Wait a minute, how can you tape a live show? That should read "in front of a live audience", except that due to the lateness of the hour most of it wasn't. In retrospect, the decision not to have wine on the banquet tables was a masterful piece of planning. The show did go ahead, and most people stayed awake. Jeff welcomed us all to the ANARC Convention in Minneapolis - and got the biggest laugh of the night. If you don't understand why, read the second paragraph again! The broadcast also featured a rare "live" appearance by the notorious - er, legendary - Shortwave Pandemonium team.

I managed to drag myself out of bed on time next morning, which was just as well because my WRTH quiz was scheduled for 9 am. The first problem arose when Ian couldn't get his quorum of three for the Canadian team, and Jim Conrad of Iowa had to be made an honorary Canadian citizen for about 45 minutes. The quiz itself went quite well, I think. It was SCDX versus SWL Digest, as both George and Ian sportingly took part. The main hassle came at the end, when my scorer announced that I had asked 57 questions! Not being able to work out who had been cheated, and with a difference of only one point in the scores, I had to make a declaration of a tie, which entails giving all six team members a copy of WRTH86 (no, sir, it isn't ready yet!). My boss refuses to speak to me now.

The International Broadcasters Forum followed, then that typically American Sunday pastime, brunch. It's funny how numbers seemed to swell suddenly at 12 o'clock. In the afternoon I had to discuss business with my colleague from New York. The first rest since my arrival in Minneapolis - sorry, Milwaukee - lasted an hour or so, then it was off to join a group of about 18 for a big, big meal in a German restaurant. That's to say, a German-style restaurant in Milwaukee, in case you wondered. The official ANARCON was now over, but not for most of us in the group. We had to work all of Monday, as Jeff White had organized a meeting for those of us who were there on expenses. Oops, I mean those of us privileged to earn our living working in the fascinating world of international broadcasting.

The content of the International Broadcasters Meeting was, by unanimous agreement, deemed to be off the record. Therefore I am not able to report much of what was said. There was much debate about whether to order more coffee, where to go for lunch, and other topics of burning importance to broadcasters. In between, a good deal of interesting ideas emerged. It was generally agreed that more cooperation to promote shortwave listening as a worthwhile activity is needed, and positive plans are already in hand to achieve this. A full working day ended with some of us visiting a pizzeria near the hotel. Then I had to wait up till midnight to do a report for Radio Australia. I persuaded Jeff White to come along and tell them about Radio Earth's latest developments. When the first question to Jeff was "what's Radio Earth?", I began to regret this, and looked for somewhere else to sleep as Jeff sat on the edge of my bed running up a big phone bill for someone down under.

There are a few memorable things about ANARCON 85 that can't go without a mention. Like the thirteen revisions of the official programme which saw the light of day before, during, and probably even after the Convention. I suspect organiser Mike Knitter has shares in a company that makes stencils! The distractions in the form of the female bathers (read into that whatever you will) resulted in some strangely constructed sentences being uttered. Not that ANARC is without its own bev of feminine pulchritude. In fact, the girls got together to buy Ian a giant cookie, appropriately engraved in icing, to celebrate his birthday. This was presented in what can best be described as a public display of mutual affection. Circulation of this part of the account in the Montreal area is strictly prohibited.

Ian really made a big impact this year - more awards from RIB readers, plus the credit for the buzz words of this year's Convention. Hobby is a banned work now, the new phrase is "leisure activity". After all

says Ian, you don't usually call listening to domestic radio or watching TV a hobby (actually, some people do, but that would weaken the point). No, hobby isn't the right term, international broadcasting has to be given the same status as any other kind of broadcasting. So, now you know. That's Ian's hobby horse - I mean, leisure activity horse - for 1985. If you disagree with him, why not book up for ANARCON 86 because Ian's organising it in Montreal. WRTH people will be there too, celebrating our 40th anniversary. And, if it happens to be your birthday, the girls might even give you a surprise cookie. Or something.

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NO COLLECT CALLS ON THESE ADS, PLEASE

WANTED: 500 Hz cw filter for a Galaxy R-530 receiver. Factory part number was 117-29 and the manufacturer listed the vendor for this part as C-F Networks. The filter appears to be a plug-in crystal filter similar in appearance to a Collins mechanical filter. I will gladly pay any fair price plus shipping and insurance as well as reimburse for letter postage on this item. John F. Henault, 55 Lincoln Street, Abington, MA 02351.

WANTED: I am looking for an owner/service manual for a Hallicrafters SX-130 receiver and a replacement gace dial legend for this unit. I will pay postage and copying costs and am willing to negotiate on the dial face. Shawn Sabo, 1555 Mill Run Court, Lawrenceville, GA 30245. Phone (404) 963-0547 from 7:00 pm to 9:00 pm EST. Ask for Shawn.

FOR SALE: Yaesu FRG-7700 in very good condition. Used for only nine months. Price \$275.00; I will pay UPS within New York state. Jose Aleman, 80 Fort Washington Avenue, Apt. 40-E, New York, NY 10032. Phone (212) 923-9711.

WANTED: Commodore 64 compatible software for use with MFJ RTTY/CW Receive Computer Interface (Model MFJ-1225). Believe disk/cassette is available (or will buy your C-64 cartridge). Joe Polchlopek, 2509 Longleaf Court, Virginia Beach, VA 23454.

FOR SALE: Yaesu FGR-7700 with Gilfer modifications, manual, set of HP8 headphones and Eavesdropper antenna used only in attic. In excellent operating condition. Price \$250.00 FOB Hazlet, NJ. Ira Teitelbaum, 46 Briscoe Terrace, Hazlet, NJ 07730. Phone (201) 264-1165.

FOR SALE: MFJ-1224 RTTY/CW demodulator with a Hamssoft RTTY/CW ROM cartridge for the TRS-80 color computer. Both for \$50.00 including shipping. Shawn Sabo, 1555 Mill Run Court, Lawrenceville, GA 30245. Phone (404) 963-0547 from 7:00 pm to 9:00 pm EST. Ask for Shawn.

NASWA - NOVICE

Gregory Bailey, Ledgewood Circle, Box 28, E5, Pembroke, NH
03275

BASIC ANTENNA CONSTRUCTION

The antenna is by far one of the most important yet underestimated components in the radio shack. Basically there are outdoor and indoor antennas. We will examine outdoor first.

The longwire is a good SWL antenna because 1) the wire is cheap; you can use a 100 ft. extension cord which when stripped out yields approximately three 100 ft. sections of wire, usually 12 gauge, and a plug and socket that might come in handy someday. 2) the insulators are cheap, about .50 each to \$4.00 a pair. They are much cheaper if you buy in bulk, and you will use a lot of these. Feeder wire should be used (75 ohm coax or twin lead TV antenna wire).

Always ground your gear!!! The best ground is a heavy non-insulated wire connected to a grounding rod driven into the earth. If this is not possible, a cold water pipe may be used as a ground, but beware of plastic joints that may be in it. When ever building any outdoor antenna, always incorporate a lightning arrestor. Be certain that the antenna cannot touch natural or manmade obstacles (power lines).

The overall length of the longwire should be 40-90 feet to receive 2 MHz-30MHz.

Another type or outdoor antenna is the dipole. The dipole is a wire cut to a particular length with an insulator in the middle and at each end. When assembled, the dipole looks like a "T" with 2 sections of wire of equal length across the top, and the feeder line going down the center. Again, use 75 ohm coax for the feeder, and ground your antenna at all times.

For reception of one short wave band at a time, the following is a table on how long to make one side of a dipole.

BAND/Length of one	Side
49M	38'
31M	24'
25M	19' 3"
19M	14' 6"
16M	12' 3"
13M	10'

A sloper is a vertically angled dipole. Another type of outdoor antenna is the beam antenna. Basically, the beam is a self-supported dipole with a rotor to aim it. Very effective, but it can be costly.

To build Dipoles, longwires, or slopers, you will require: Feedline (50 or 75 ohm coax or twin lead TV wire), wire insulators, strong string, and anchors or mollies (heavy duty cup hooks can suffice here).

INDOOR ANTENNAS

Since availability of space is usually a major factor, experimentation is the key. Here is a suggestion I have tried: I ran a 32 ft. dipole across my bedroom ceiling where my radio equipment is. Two others I have tried are five or six wraps of lamp (zip) cord around an 18" square, terminated with a 125 Pft. tuning capacitor; or 3 wraps of lamp cord around a 36" square with a 365 Pft. tuning capacitor. Even table legs, bed frames, radiator covers that can be removed, and extension cords minus plug and socket laid on the floor have sufficed. I now use an indoor tuned antenna for portability and versatility.

What I am trying to get across is to be resourceful. This hobby need not be expensive, but before you attempt to build any of these antennas, you should gather more information on the subject. I stress this because it is your responsibility to double check information before you try it practically. The A.R.R.L. Antenna Book would be a good investment for beginners. It is about \$4.00, and is published by The American Radio Relay League, Newington, CT 06111. The British Broadcasting Corporation published a booklet called, "Aerials for Shortwave Reception". Write to: Chief Engineer, External Broadcasting, B.B.C. Bush House, Strand, London, W.C.2, England. Radio Nederland also has an antenna pamphlet you can get by writing to Radio Nederland, P.O. Box 222, Hilversum, Holland. Ask for "Give Your Antenna Some Air". Again, I remind you to ground your antennas. Be careful and pay attention.

SWL's, Hams, Scanner operators, or anyone reading this column, I need your help. I don't have all the answers (although at times I feel that I have all of the problems!). We are our greatest resource. We, collectively, have all the answers, and we must communicate with each other. If I can convince, say 50, experienced radio people thru this column to be willing to correspond with NASWA novices, maybe we could have a pool of advisors, to help those in need of technical assistance and/or just plain encouragement. What do you think? I know it could work because the idea was sparked because of Richard A. Dubois of Tallahassee, Florida. So you see, we are already reaching out to each other. Just like that.

GILFER ASSOCIATES, INC.

52 Park Avenue, P. O. Box 239, Park Ridge, N.J. 07656 (Area Code 201 391-7887)

NEW EDITION OF PUBLICATION

COVERING SHORTWAVE RADIO STATION ADDRESSES

1600 kHz = 30,000 kHz

Park Ridge, N.J. The new publication "World Broadcast Station ADDRESS BOOK," by Gerry L. Dexter lists the addresses of over 1200 shortwave radio stations throughout the world.

Mr. Dexter who has compiled four previous editions says, "The amount of new information in South and Central America has necessitated another edition of my book. For example, there are 100 new station addresses in Peru alone. There are also additional listings for Lebanon, Nicaragua and Indonesia."

According to the publisher, GILFER SHORTWAVE, the ADDRESS BOOK is put to many uses worldwide since it is so unique, but its primary function is to help radio enthusiasts who wished to verify the reception of distant stations.

The ADDRESS BOOK contains 128 pages and retails at \$8.95 plus shipping. Available from the publisher and radio stores worldwide.

The History Of Educational Broadcasting In Nigeria

By

Richard A. D'Angelo

Nigeria provides the Dixer with a number of targets and challenges. There are the exciting regional channels in Enugu (6,025kHz), Ibadan (6,050kHz), Jos (5,965kHz) plus a number of others, as well as the international service known as the Voice of Nigeria. The most recent addition was the Educational Service on 4,932kHz which commenced broadcasting in the fall of 1983. However, this new service was short-lived as it became inactive in June 1984.

Nevertheless, educational broadcasting in Nigeria reached its pinnacle with the launching of an 18 1/2 hour broadcasting schedule on October 1, 1983. Radio Nigerias Educational Service was heard worldwide by Dicers from its inception. It was heard late afternoons in North America and during the evening in Europe. This station was one of that DX seasons exciting new developments.

Providing education to the people of Nigeria is a difficult task. Radio helps overcome the many regional customs, traditions, languages, etc. that impede progress. Before commencing with the history of educational broadcasting in Nigeria lets look at some background information about Nigeria which will help us understand that country and the importance of this service to Nigerians.

GEOGRAPHY

Located on the west coast of Africa, Nigeria occupies 923, 768 square kilometers and consists of four regions (known officially as Northern Nigeria, Eastern Nigeria, Western Nigeria and Mid-West Nigeria) and the Federal Territory of Lagos. It extends northward from the elbow of the Gulf of Guinea between latitude 4° and 14° North and is bounded west by Benin, north by Niger and east by Chad and Cameroon. The republic is a member of the Commonwealth of Nations.

POPULATION

Nigeria has a population of over 85 million people. About 80% of all Nigerians live in rural areas. Lagos, with about a million people, is the nations capital and largest city. Three other cities have populations of more than 400 thousand- Ibadan, Ogbomoso and Kano.

Almost all Nigerians are black Africans. The country has more than 250 different ethnic groups. These ethnic groups differ from one another in language and in some of their customs and traditions. The three largest ethnic groups are the Hausa, the Yoruba and Ibo. These groups account for about three-fifths of the total population.

GOVERNMENT

Nigeria was a British colony and protectorate until October 1, 1960 when it became an independent state within the Commonwealth. Nigerias first Constitution was adopted in 1963. January 1966 saw the beginning of a 13 year rule by various military leaders. In May 1967 the Eastern Region declared its independence and formed the independent republic called Biafra. Civil war broke out between Biafra and the rest of Nigeria in June 1967. Fighting continued until Biafra surrendered in January 1970. In 1979 a new Constitution was adopted giving the people the right to elect government officials. After 4 1/2 years, the elected government of Shehu Shagari fell to General Buahri in late 1983. In August 1985, Nigeria experienced another military coup with General Babangida replacing General Buharis' military government.

EDUCATIONAL BROADCASTING (1953-present)

In 1953, the Nigerian Broadcasting Service, which became the Nigerian Broadcasting Corporation (NBC) in 1957, made its first attempt at educational broadcasting in Nigeria. Broadcasts consisted of transcribed programs from the BBC with some local material. These programs were directed at secondary schools in the Lagos region. It was a short-lived experience, terminating in 1954. Interest in an educational service remained and Mr. K. S. Postgate (later to become Director-General of the NBC) was brought in to survey the desirability of establishing a comprehensive system of broadcasting in English and the main vernaculars at primary and secondary levels with emphasis on regional needs. Postgate's report justified the establishment of a system that would be a joint effort between the educational and broadcasting agencies.

In 1959, the Ford Foundation provided the NBC with a grant to start the Federal School Broadcasting Service. Led by Dr. Charles Amour this unit was established in Ibadan in October 1960. The BBC lent its technical support and provided facilities for recording programs in London.

On April 12, 1961, the first experimental programs were broadcast for secondary schools, teacher training colleges and top primary schools. By January, 1962 the service was expanded to cover the whole country as the broadcast schedule occupied three hours per day five days a week.

The Ford Foundation ceased funding the service in 1966, leaving the NBC and subsequently the Federal Radio Corporation of Nigeria (FRCN) to finance the educational service. Also during the 1960's, Nigerians began to replace expatriates on the staff. An Educational Broadcasting Council was established which comprised all school broadcasting units.

In 1975, the then Director-General of the NBC Dr. Christopher Kolade decided to upgrade the NBC Schools Unit. He appointed Mr. Sunday Young-Harry to become the first Director of the Educational Service. Young-Harry proceeded to expand the service. Educational broadcasting continued to grow as George Bako became Director-General of the NBC in 1979. Bako had a transmitting station built in Ijede, a little town near Ikorodu in Lagos state, giving the Educational Service of Radio Nigeria two 50 kilowatt shortwave transmitters.

In May 1983, Mr. Dipo Ayeni was appointed General Manager. Working with Young-Harry, who was now the Zonal Director-Lagos and responsible to the Director-General for the day to day running of the Educational Service, the Educational Service was ready to commence full day transmissions.

On October 1, 1983, the Radio Nigeria Educational Service commenced full day transmissions on 4,932kHz in the 60 meter band. This channel was designed to bring to every home of every Nigerian the qualitative, educational and instructional materials for Primary Schools, Junior Secondary, Senior Secondary, Teacher Education, Continuing Education and open University Studies. The broadcasts started at 0530 and ended at midnight local (and GMT/UTC) seven days a week.

George Bako was given much of the credit for this station which helped further the role of educational broadcasting. He re-organized the educational unit into its own separate department with a separate transmitter dedicated to broadcasting educational programs. The 4,932kHz channel reached Sokoto, Lagos, Abuja, Calabar, Maiduguri, etc., opening a new chapter for educational broadcasting in Nigeria.

CONCLUSION

A couple of no data verifications have been received by DXers over the past year or so. I received a no data confirmation letter in 473 days-about one year from when the station ceased operations!! Long delays are the rule when receiving material from Nigeria.

With education holding a high priority with Nigerians and with the recent change in government DXers should be on the look out for a return of the Educational Service of Radio Nigeria.

NEW ZEALAND REFLECTIONS

Bill Whitacre

MOST PEOPLE; OUTSIDE OF GEOGRAPHERS, DXERS AND SHEEP FARMERS, HAVE LITTLE IDEA OF WHERE NEW ZEALAND IS. WITH THE CURRENT ANZUS PROBLEMS PUTTING NEW ZEALAND IN THE HEADLINES I'M SURE MANY ARE DIGGING OUT THEIR ATLASSES TO SEE WHERE EXACTLY IT IS.

ASSUMING YOU ALREADY KNOW WHERE IT IS I'D LIKE TO TELL YOU A BIT ABOUT THE STATE OF INTERNATIONAL BROADCASTING THERE. I HAD A CHANCE TO TALK WITH RADIO NEW ZEALAND INTERNATIONAL PERSONNEL RECENTLY AND SOME INTERESTING POINTS CAME OUT.

During the week of December 17-21, 1984 I was able to visit Radio New Zealand (RNZ) headquarters, transmitters and the Quartz Hill monitoring station all near Wellington, NZ.

The differences between these facilities was indicative of the countries' attitude towards international broadcasting. Recent elections in NZ have brought to power the first Labor government in more than 20 years. Their interest in shortwave broadcasting promises to be greater than that of the previous government, whose leader, Mr. Muldoon, was quoted as saying that he saw no way in which "it (international broadcasting) aided his government."

At present Radio New Zealand International (RNZI), as the shortwave service is known, produces no programs and has only a skeletal staff of its own. Over the past 10 years shortwave from NZ has passed in and out of existence at the whims of budget cuts. For a time, in 1978, there was no shortwave service from NZ. Most of the work at RNZI today is in the production of taped transcription programs for distribution to Pacific islands' radio stations. On the day I spoke to Rudy Hill - Director, RNZI, the budget for broadcasting had been presented to the new Minister of Broadcasting and there were high hopes of RNZI getting a NZ\$10 Million budget increase.

My tour of the shortwave transmitter facilities of RNZI near Wellington indicated part of the reason for such a budget. RNZI is presently transmitted on two 7.5 kW transmitters, 18 hours/day, relaying RNZ domestic service programming. Broadcasts go out on one of only 4 available frequencies using ancient 2x2 curtain arrays or 2 element dipole antennas on bearing of 26 degrees (Pacific) and 326 degrees (Australia). The condition of the facilities can best be described by the following two incidents.

During a tour of the transmitter plant I ventured into the antenna field (dodging sheep, cattle and their droppings) and came eventually upon an aerial switch bay. In looking up at the mass of wire and electrical contacts I noticed a lamp bracket had fallen off from its telephone pole perch and across 2 of the antenna leads. My hosts evaluated the situation and decided that such a problem would only effect the 11 MHz band antenna which was not in use this season and they would report it to the riggers later.

Another interesting point is the transmitters themselves. Not only are there no back-up transmitters for either the shortwave or co-site mediumwave, but the shortwave transmitters, which are WWI vintage telegraph transmitters modified for shortwave use, are in such a state that only minimal repairs can be made lest the wiring be destroyed. Much of the original insulation has fallen off the lead wires which are now so old and brittle that any disturbance might cause them to disintegrate.

The situation at the Quartz Hill receiving station is much more impressive, due primarily to its source of funding. New Racal communications receivers have been installed during the past few years along with a new console and audio distribution system.

One function of Quartz Hill is the monitoring of overseas broadcasters (including VOA) and feeding program material to RNZ studios in Wellington. Reciprocal monitoring is also done here for VOA as well as other broadcasters. The site is situated on a peninsular hill over-looking the Cook Straits and the South Island of NZ. The land is populated by a number of rhombic and dipole antennas, as well as sheep. There are 60 million sheep and 3.5 million people in all of NZ.

With the installation of new, more sophisticated equipment, staff members are free to do original design work and one recent project includes an impressively simple design and prototype version of station monitors to be used in the 60 mediumwave broadcasting stations in NZ. One measure of the size of the country, in fact, is the fact that Quartz Hill does all the frequency measuring and monitoring of all mediumwave stations in NZ. This means that at sometime during the day/night all 60 NZ mediumwave stations are audible at Quartz Hill.

THE CALCULATING SWL

(Not a mystery play in three acts.)

Let's begin with the calculation of several quantities having to do with the arrival angle of a radio wave. First, however, a word of warning. We will appear to arrive at extremely precise answers for phenomena which are both variable and approximate by their very nature. The purpose here is to get as clear an idea as possible of the phenomenon with the help of mathematics.

We'll start by defining a few terms with the help of figure 1. The radius of the earth (R) and the height of the ionospheric layer responsible for the reflection of the radio signal (H) are the key elements in our computations. We define the following auxiliary function:

$$\begin{aligned} 1) & \quad k = (H + R)/R \\ 1a) & \quad k' = R/(H + R) \end{aligned}$$

Next, we must calculate X which is half of the angle subtended by one complete 'hop' of the radio signal (DBC in the figure; that is, the signal starting at D on the earth then travels to the ionosphere where it is reflected at B back to the earth at C) by means of the following equation:

2) $X = d/2N$

where N is the number of hops that we suppose that signal might make on its way from transmitter to receiver and d is the distance, in degrees, covered by the signal. Provided that we know the latitude and longitude of both the transmitter and the receiver, we can very conveniently calculate d with the following:

3) $\cos(d) = \sin(laT)\sin(laR) + \cos(laT)\cos(laR)\cos(loT - loR)$

where laT and laR are the latitudes and loT and loR the longitudes of the transmitter and the receiver respectively. Interestingly, d (which, being in degrees, is not usually a very practical measure) can be easily converted either to miles or kilometers:

3a) $d(\text{miles}) = 69.05d^\circ$

3b) $d(\text{km}) = 111.12d^\circ$

and is the shortest distance between two points on the globe. We are now in a position to calculate the arrival angle (Y) of the signal as follows:

4) $\tan(Y) = [k\cos(X) - 1]/k\sin(X)$

It could very well be, however, that we might have a reasonably well informed idea about the arrival angle and want to calculate X. If so, then the following equation, given Y and k', will do just that:

5) $\sin(X) = \cos(Y)[1 - (k'\cos(Y))^2]^{1/2} - k'\sin(Y)\cos(Y)$

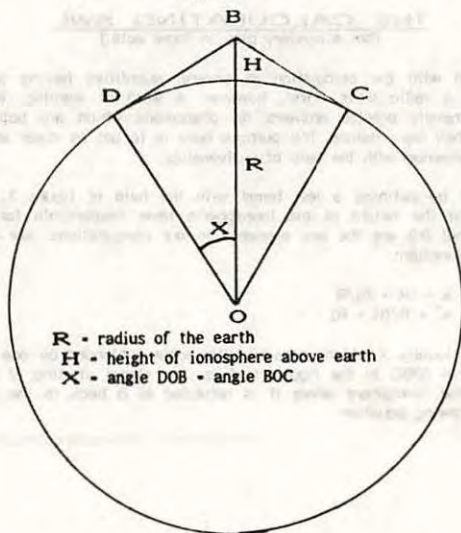
Armed with X, then, and given d which we have already calculated above, we could find the number of hops a signal is likely to have made:

6) $N = d/2X$

A very useful thing to know.

THE CALCULATING SWL -- I

Figure 1.





Listeners Notebook

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A L A S K A Revised S85 sked from KNLS: 07-0930 9555 AsPac EG 270°. 0930-12 6165 Central USSR RS 30. 12-1330 6030 China Std CH 285. 1330-15 6145 China in Chinese 285. 15-20 7355 Eu EG/RS 0° (Ralph S Bowden, ANARC FRC Chairman, Mentone CA, 3/9) In the last one do you mean EG now precedes RS? (gh)

A R G E N T I N A RAE in EG 5/9 0100 on 9690 & 11710 w/nx, mx, DX pgm w/talk of SSB (Don Hosker, Whitman MA) Welcome to LN (gh)

A U S T R I A ORF hrd on 11660 // 11670 from 1830 EG nx, both good 21/8 (Ernie Behr, Kenora Ont) But S85 sked has these merged on 11670 w/two 100 kW xmtrs on different beams, 170 and 140° (gh)

ORF S+85: Eu 04-09 6155 100 kW, 09-12 6155 300, 12-17 6155 100, 17-19 500 SSB; 06-19 6000 10, 19-23 6000 50, 19-23 5945 100. EuN 12-13 9770 1000, EuSE 09-12 7170 100, 13-17 12015 100. NAM 00-02 6000 300, 02-04 6000 500. NAM E 00-02 9635 100, 12-13 15320 300. NAM W 04-06 6000 500. CAM 02-04 5945 100, 9580 100. SAM 00-02 9760 100, 21-24 9760 500, 21-02 11660 100. AFW/SWEu 19-21 11670 100. AFS 17-19 11670 100, 19-21 9615 300. AFE 17-19 15465 100. Near East 05-09 15410 100, 17-20 11670 100. SAs/SEAs 15-17 12015 100, 15420 500. AuAs 07-09 9625 100, 11840 300 both longroute over CAM/SAM. EAs 13-15 9630 500, 11935 100 (ORF 18/7 via George J Poppin, CA)

B A N G L A D E S H Dhaka on new 15625 for BG 0745, into EG 08, ex-17585, // 17670 also hrd 26/8 (Bob Padula, Victoria, Sept Australian DX News)

B R A Z I L R Excelsior, 9585, hrd w/fair sig 12/9 w/futebol match between two Bras teams. 0202 tune-in; vy listenable until 0227 s/on of RN on 9590, causing slop. Stn only seems to come on during important soccer matches. Several other ZY stns noted carrying the same game on 60, 49 and 25mb (John Wilkins, CO)

R Nac da Amazônia, 11780, new sked in PT to 0335* 3/9; in Aug closed as early as 2200 on weekends (Ernie Behr, Kenora Ont)

C A M E R O O N ITU registrations for HF stns, S85: 6005 Buea 8 kW 0430-23. 6060 Yaoundé 100 0430-00. 6160 Bafoussam 20 0430-23. 7150 Douala 100 0430-23. 7165 Bertoua 20 0430-23. 7205 Yaoundé 30 0430-23. 7240 Garoua 100 0430-23. 9745 Yaoundé 100 0430-00 (Bob Padula, Sept ADXN)

C E N T R A L A F R I C A N R E P U B L I C R Centrafricaine in FR 26/8 2230 on 5035 w/mx; s/off 2300 (Don Hosker, Whitman MA)

C H I N A R Beijing on 9535 //11860 in EG *12-1256* hrd 1/9 w/terrific 555 sig, but barely audible at 1300 on 9550 & 9730 (Ernie Behr, Kenora Ont)

After a period of non-reception, R Beijing resumed being on this sked in the 11-1430 period: 11-1155 SP 9860 9535. 12-1255 Std CH 9860. 12-1255 EG 9535. 13-1330[sic] EG 9550 9730. 14-1455 9550 9730 EG (Ralph Bowden, ANARC FRC Chairman, Mentone CA, 3/9)

As usual, Xinjiang PBS changed fq for summer, first noted 19/5. Uighur svc on 7050 ex-2550v, and //5800 4735 while Chinese on 7385v ex-4800 //4500 6100. No apparent changes noted in Mongolian svc 5060 //4980 and Kazakh 5440 //4330. "Xinjiang" province means "new borderland"; it's desert and bakes in the summer, freezes in winter; maybe reason why unlike other Chinese provincial stns, Xinjiang PBS has seasonal changes (Sarath Weerakoon, Sri Lanka, April/June UADX, delayed in receipt)

C O S T A R I C A TIFC on 9645, rarely hrd, but was strong in June at 04-0605* in SP, better than //5055 on 10/6 (Ernie Behr, Kenora Ont)

C H I L E R Nacional, 15140, hrd 3/9 w/interesting two-way contact, at 2015 calling Easter Island: "Adelante Radio Manu Kena, Isla de Pascua" (580 kHz), and clear reply from Manu Kena about their 17th anniv on 17/9, then "Rapa-nui" island mx until 2030; will repeat contact on 17/9 for anniv bc so this is the day to look for R Manu Kena via possible SW link, but perhaps using cable since audio was perfect. One PTP xmtr from Easter Island is CES210 on 23675 USB (Ernie Behr, Kenora Ont) Tho usually well-hrd, no sign of Nacional 15140 at the appointed time 17/9, apparently off the air; 23675 a bit hi MUFwise(gh) (Cf Aug LN-18) Report of R Santa Cruz, BOLIVIA on 6029 is more likely R Santa Maria, Chile, 6029.4, listed on same page (ErnieBehr, Kenora Ont)

D O M I N I C A N R E P U B L I C R Santiago, 9778.2, well hrd here most of the night, tho w/low audio level, thanks to a tip from Finn Krone, since 20/8; from 2200 when only carrier detectable, till past 0330 when pgming is audible (Juan Carlos Codina, Muri, Switzerland)

E Q U A T O R I A L G U I N E A Intl svc from Bata, 15106v, is permanently off the air since Aug 1 (or late July) and not found on other known fqs, but US preachers probably keep paying (Ernie Behr, Kenora Ont) How do you know it is permanent? (gh)

G E R M A N Y W E S T DW S85 in EG to NAM: 01-0150 6040 6085 6145 9545 9565 11785; 05-0550 5960 6120ex-9545 6130 9690 11705. Jülich test sked: 06-0955 on 15225 (ex 06-0755 on 7285) GM to ANZ. (08-0955 GM Eu on 6015 deleted). 10-1120 BG/RM SEu 9640. 12-1355 GM Af 17740 ex-17845. 14-1555 GM Eu 6040. 16-1955 GM Eu 6075. 20-2050 SP Spain 6120. 21-2150 EG EAs 6185. 00-0155 GM SEu 7130. 02-0250 EG SAs 7250. 0330-0550 SH/EG/FR Af 6135 ex-9765 (via Eric Falkenhan, Baltimore MD) Peter Senger of HF-technik also says that the azimuth on 6100 was adjusted due to propagation conditions as it is used to feed Antigua; it is doubtful a clear channel to replace it can be found now that Cuba QRMs (ibid.)

I N D I A Bangalore is to get two 500 kW xmtrs and Delhi two 250 kW; to improve reception of AIR ES, to be completed by 1986-87; also planned to have two 250 kW xmtr each w/studio facilities, for a commercial svc to the Gulf countries (Deccan Herald, 7/8 via M H Gautam, July & August IDXCI Asian DX Review)

AIR HS nx in EG latest sked: 5 mins at 0035 0335 0435 0630 0730 0930 1030 1135 1230 1430 1730 1830. 10 mins at 0240 0830. 15 mins 1530. 20 mins at slow speed at 0850 (José Jacob, ibid.)

I N D O N E S I A unID on 4954.8a, presumed (or I should say hoping for) RRI Banda Aceh. Almost gone, approaching fadeout at 1425 12/9; M & W talking alternately. On 6127.6a, RRI Nabire presumed 12/9; caught tail-end of s/off w/ "Love Ambon" theme. Other Indos observed s/off at same time arnd 1400, included 6188.5, 3986.3, and 4875, all Irian Jaya stns (John Wilkins, CO)

I S R A E L IBA Hebrew HS, S85: 04-0615 11585 9920 9385. 04-14 13720. 0615-14 17555. 0615-1745 15615. 0615-11 17630. 11-1630 15100. 12-14 17630. 1745-2315 9385. 1830-2315 13720 11585 9920 (IBA) Fqs vary slightly and some are rather SSB; all are for NAM/WEu except 9920 at 04, 17555 and 15100, for EEu(gh)

J A P A N R Japan's DX Corner to be bc only in regional svc, not general svc, from 12/8 onwards (Ajay Pandey, July & August, IDXC1 Asian DX Review)

J O R D A N R Amman's main AR pgm recently hrd on 9530 from 1400 past 1500. This conflicts w/sked showing change from 11920 to 9530 as 1500. Meanwhile, 11920 gives good reception 12-13 (Peter Bunn, Vic, RA JP DX Time 8/9)

K A M P U C H E A VoPK on 11937.7 always vy weak, often inaudible to 1243*, but after short break resumes w/booming sig 1244-1313*v in SEAs langs, daily since 5/8; must be vy sharp & efficient beam, but why the change at 1244? (Ernie Behr, Kenora Ont, 3/9)

On Sundays, the EG pgm at 00-0015 & 12-1215 on 1360 9695 11938v has a mail-bag acknowledging letters and reception reports (Sarith Weerakoon, SL, UADX)

L A O S Provincial stn at Udomsai reactivated SW, first noted 18/5 on 4465v w/ E sigs. Relays nx and intl nx from Vientiane on 6130 at 12-1230 but has own pgming in what sounded like a Laotian dialect from 1230 to 1355* A Brief interlude of Laotian anthem just before s/off. Udom Sai suddenly went off the air in Sept 1983 when it used to stray between 6920 and 6780 w/vy faint sig. Judging from present signal quality either its outmoded [sic] xmtr has been given a new life or it is another new or perhaps second-hand xmtr installed w/ Soviet Union's assistance. (Sarith Weerakoon, Sri Lanka, Apr/Jun UADX)

L E S O T H O Hrd R Lesotho 0459-0517 when static got too severe. Began with ad for Pall Mall cigarettes. Then female ancr said "Good morning, the time is 7 o'clock. This is R. Lesotho. Here is the news read by..." Nx was somewhat intl in nature, e.g. elections in Iran, but many items were about Africa. The F ancr said "That is the end of the news" at 0510. M ancr then commented on elections in Lesotho. I sent a dollar bill with my reception report and hope that I get a QSL! 4800 kHz (Kraig W Krist, Falls Church VA)

M A L D I V E S During a visit to the islands last February we also visited the Voice of Maldives. Mr Maizan told us the 60mb xmtr on 4754 is not very good and that's why it's used only sometimes, for tests, etc. The ants for it are S/N dipole so it has not been a miracle to hear it here in Scandinavia [sic]. Best way to report is via tape, as they carefully check to be sure people have heard the stn. The old 31mb xmtr on 9550 is now used for PTP; the 49mb xmtr on 6025 is home made, 200 watts. Staff consists of 5 or 6 persons (DX Kuunteliija [Finland] via Apr/Jun UADX) R Maldives recently completed new studio complex and stn personnel say reintro of SW is contemplated next; no target date established. RM was active on 4754 briefly in May 1984 (Adrian Peterson, SWG Aug via

land)

M A L I Hrd nightly here on 5994.8 w/Af mx etc (Juan Carlos Codina, Switzer-

M E X I C O The night following the quake, 19/9, XERMX-OC had better signals than usual to 0500* on 9705 with continuous coverage of the disaster, OK-messages, etc., apparently originating in the R México XEB-1220 studios, with the other Instituto Mexicano de la Radio stns in // and frequently giving various phone numbers. Following days xmsn apparently expanded and also hrd in daytime and on 11770 but w/BBC QRM when on 11775; also traces on 15430 but not 17765. XEWW performing a similar service 20/9 around 1030 past 1130 on 6165, probably having been on all night. Yet, the media seemed to think ham radio was the only way to get such info out of Mexico--lots of traffic there too arnd 3.8 MHz late into the night, and arnd 14.2 MHz in daytime. Hrd some Mexican hams in other parts of the country having to explain that they weren't in Mexico City and couldn't help with phone patches. Among the early casualties were two ancrs at R Fórmula, who were also hams. The Ch. 5 TV tower came down, and Televisa's main studios and offices were heavily damaged, but they resumed operations from the secondary San Angel facility--until the 2nd quake, after which SIN could no longer contact them via satellite. As they had done last decade, KGEI also noted w/some earthquake traffic, this time for México instead of Guatemala (gh, 22/9)

NORWAY The future of Frederikstad: Olav Grimdalen of the Norwegian Telecommunications Administration says in his Aug 15 letter that RNI's aging transmitter site will not be upgraded, contradicting Rolf Løvstrøm's report of two years ago. In about one year, a few (probably the 350 kW and one of the 120s for a reserve) xmtrs will remain, but all antennas will be torn down except for the two log periodic antennas. The 350 kW xmtr was out of operation in mid-Aug due to a failure in the RF section (Joe Hanlon, Philadelphia PA)

PERU [Cf Sept LN] Is the report of R Huallabamba on 6281.5 correct? Others have reported R Huancabamba in Piura Dept on this fq, and Huallabamba used to be on 6272 (Ernie Behr, Kenora Ont)

Some interesting loggings made 19-22 Aug: R LV de Cutervo, Cutervo, Cajamarca, 4965.9, hrd daily tho always w/strong ute over; however, 22/8 clear w/ carrier from 2300, clear sigs after 0250, huaynos etc till 0315. R Celendín, Celendín, 7054.7, hrd daily w/ carrier but 22/8 clear w/romantic mx, from abt 0245 till closing arnd 0400. R Selecta de Virú, 6971.5, hrd same night at about same time, 03-04, but vy weak sig, only traces of mx and SP talk. R Norandina, Celendín, 4459.8, also same night G sigs from 0310 to closing 0410 apx times. Same night also w/nearly unreadable sigs: Frecuencia San Ignacio, San Ignacio, Cajamarca on 5801.6; R San Miguel Arcángel, San Miguel de Pallaques, Cajamarca on 5720.4; R El Sol de los Andes, Santa Cruz, 4254.5, 22/8 VG 03-04, huaynos. Also hrd usual inbanders such as Atlántida 4789.9, San Martín 4810.1, LV de la Selva 4825, Huancavelica 4885.3, Tropical 4934.6; carrier from Cobriza 2000 on 4927; Ancash 4990.4, Andina 4995.9, Los Andes 5030, closing at 0305 w/ full ID, addr, to return at 0900; Libertad 5039.8; Oriente, Yurimaguas 6188.4 VG sigs; Melodía 5995.6; WRTH has nonsense reports like El Sol de Los Andes as being in Cutervo, surely a misunderstanding for the nearby mountain Coturumi. R Tacna, 19/8 not only on 6564.3, but //9486.1 which does not propagate so commonly. 20/8 on 6641.4, vy distorted at 0035-0045* seemingly R Santa Cruz, Cajamarca (Juan Carlos Codina, Muri, Switzerland)

R Quillabamba, Cusco, as reported in the press, was dynamited by Sendero Luminoso not by Rondas Campesinas as initially reported, but according to police this subversive action was in response to intervention by Father Francisco Chevarría regarding the death of peasants two nights earlier in Vilcabamba. The damage must have been great as the stn is still not hrd on its usual fqs 5025 and 2210 [sic] kHz. (Mery Blas Roja, Play-DX 2/9)

PHILIPPINES see

S A I P A N et al. I recently came across this article in the Spring 1985 issue of the Journal of the American Historical Society of Germans from Russia:

RADIO BROADCASTS TO THE SOVIET UNION

John Brug

On January 6, 1985, the Central Asia Radio Committee of the Wisconsin Evangelical Lutheran Synod began a broadcast of German radio services aimed especially for the German-speaking Christians of Soviet Central Asia. As far as we know, this is the only broadcast intended specifically for the German Russians of the Soviet Union. This half-hour German worship service is regularly broadcast twice a week. A German-Russian pastor from Milwaukee, Wisconsin, serves as the radio preacher. This service is temporarily being broadcast five times per week to build an audience. The schedule and frequencies follow:

Temporary times:

From Iba, Philippines, 18:30-19:00 UTC, Sunday, Tuesday and Thursday, 6080 kHz, 49 meter band.

From KFBS Saipan, Beam 341, 09:30-10:00 UTC, Monday, 11.915 frequencies, 25 meter band.

The regular times remain:

From Korea, HLAZ, 250 KW, 16:00-16:30 UTC Sunday, 1566 frequency, medium wave.

KFBS Saipan, Beam 312, 15:30-16:00 UTC Sunday, 9.610 frequencies, 31 meter band.

AHSGR members who are ham radio operators may wish to attempt to receive this program. Those who write to relatives in the Soviet Union or East Germany may

wish to pass this information along to them. The following is a German announcement of this program for those who may wish to use it in correspondence:

Das Mittelasiens Rundfunkprogrammkomitee der Wisconsin Evangelisch-Lutherischen Synode sendet deutsche lutherische Gottesdienste nach sowjetisches Mittelasiens an Sonntagabenden. Dieses Program Heisst: "Dies ist der Tag, des Heilandes Tag." Es gibt zwei Programme sonntagsabends: 1. HLAZ Korea, 250 KW, 1566 Khz, 16:00 Uhr UTC (um 21:00 in Mittelasiens). 2. KFBS Saipan 100 KW, 25 MB 11820 Khz, 15:30 Uhr UTC (um 20:30 in Mittelasiens). Vielleicht kennen sie Leute, die sich für dieses Programm interessieren würden.

I was rather surprised to learn of the above. I don't know how much you know about the Russian German people. I only recently became aware of this cultural group because my wife's grandparents were Germans from Russia, particularly Wolgadeutsche (Volga Germans), a subgroup. The Germans originally came to Russia in the mid-to-late 1700s at the request of Catherine the Great, the Russian Czarina who was originally a German princess. She offered the Germans free land and freedom from military conscription and taxes for 100 years. Many Germans jumped at this opportunity, as the Seven Years' War was just ending, land was scarce and ravaged, people were tired of the military, and they had been taxed to death to support the war. So, many came to Russia. They settled primarily in 3 or 4 areas. The original groups settled along the Volga, south of Saratov. Others settled near the Crimea, and fewer settled west of Kiev (the Volhynia) and in Leningrad. Their first years were very difficult, but afterwards they prospered and turned the area into the breadbasket of Russia. After the 100 years were up, oppression started -- they began to be taxed and drafted. Many emigrated to the US then in the mid-to-late 1800s and settled in the Great Plains, helping to make it the breadbasket of the US. Later emigrations settled in the cities like Milwaukee which had large German populations. Among these were my wife's grandparents, who fled under the Russian Revolution. It's a very interesting and little-known group-- there are books on them available thru the libraries. When Hitler marched into Russia, the Russian Germans relocated (forced marched) to Soviet Central Asia. None of them remain in the Volga or Crimean area. Today their enclaves range from near Orenburg on the west, to Novosibirsk on the east, from Omsk on the north to Semipalatinsk on the south -- they have really been dispersed throughout Central Asia. They do however, still retain their separate German culture. Hence, the broadcasts. (John R Meyer, Kellnersville WI, 24/8) There is also some GM in USSR DS, notably from Alma Ata at 0630 per WRTVH but no further details; of some interest since they have been known to QSL reports in German, a somewhat more accessible language than Kazakh (gh)

S Ã O T O M É e P R Í N C I P E R Nacional hrd for first time on 12/9 w/terrific sig on 4805.5a. Long flute chorus IS 0522-0530, 1-note gong, "Aqui São Tomé..." ID by M then martial NA. After s/on anmt, into variety of vocal mx. Slow deterioration after 0600. Also hrd following 2 nites, but signal not as good. Sounds a lot like Cape Verde, i.e. same gongs, program format, etc. New xmtr? (John Wilkins, Wheat Ridge CO, 14/9)

S A ' U D I A R A B I A BSKSA on 11740, hrd at 1930 w/AR pgm in QRM 26/8 // 9870; definite ID, not UAE as reported on R Nederland in Aug (Ernie Behr, Ont)

S O U T H A F R I C A [Cf Sept LN] The stn reported on 2340 kHz from Finland as R Transkei [sic] in an earlier Play-DX is in reality a spur of Breffni Community Radio, Irish pirate, 2 x 1170; QTH: Drumloman St., Kilnaleck, Cavan, Ireland (H Gustafsson & Anoraks UK bulletin pirate radio via Play-DX 2/9)

Ś R I L A N K A DW Trincomalee relay S85: 08-09 DR/Pashto Afgh 21600. 10-1050 Persian deleted. 1130-1230 JP 7245. 1245-1420 CH 7265. 1430-1650 UD/HD/EG 6000. 18-1955 GM ME 9650. 20-2455 GM SAs 6065 (via Eric Falkenhan, Baltimore MD)

Trincomalee site is in the northeast part of the country, 15 mi N of that city, at Perka. Broadcasts finally commenced last Dec; it's on a 275-acre block and like VOA-Chilaw is overlooking a lagoon. This was the site of a British communications centre of WW II; the transmitter hall was lying there

unused and many people eyed it. TWR in fact was negotiating for it when DW came on the scene. TWR wanted it for one 400 kW MW xmtr so naturally DW was able to outbid TWR. The xmtrs at Perka are one conventional 250 kW, two 300 kW of PDM--the latest fad in intl AM xmtr design! [like WRNO]; one 600 kW MW xmtr and one 10 kW Racal for comms. This 10 kW unit has been used for DW pgm xmtg to hold a fq, especially in DB4 when 2 SW outlets were registered and only one xmtr was up, this occupied the 2nd channel, e.g. 01-0250 BG & EG on 17800, hrd in Australia and here. Stn is in an area where Tamil separatist guerrillas are fighting for an independent state; 27/5 there was an attack on stn by them, robbing eqp and some walkie-talkies. Not been disclosed whether there was damage to HF & MW eqp, but stn off the air since. Project engineer hoped stn'd be back by mid-June after 'maintenance work'; still off as of 10/6.

The Projected VOA relay station: Iranawila is located in a lagoon in Chilaw 50 mi N of Colombo. Will be on 1000 acres. Fully commissioned site w/staff quarters and about 50 engineers, technicians. Unlike DW project will get power from the national grid. Four 500 kW and two 250 kW SW xmtrs, and a 250 exclusively for SLBC use. Tho the four 500 kW are capable of that power they will run at 300 or 250. The whole project is to cost 10 megadollars, and hope to be operational by 1990. At the time we visited the office, it was spread out with various blueprints, plants, etc., so you never know what the final will be. There has been quite a lot of controversy over the VOA site. The left in the SL Parliament has been quite vociferous. Moscow was saying SL has gone back on its non-aligned policy, but the govt says it is prepared to provide a relay stn to any power on the same condx as given the Americans and in fact offered one to Moscow. They didn't take it! India has been quite agitated by the new VOA contract, but it has been pointed out that SL sees no reason why some other [country] ought to be concerned about what it does. Once the new stn comes on, SLBC will also be better heard worldwide. (Victor Goonetilleke, April/June UADX)

SLBC has a new DX pgm in its HS in EG, Fris 1600 on 4940 and 702 (ex-918) (José Jacob, India, IDXCI Asian DX Review July & Aug)

S U D A N On a visit here in March and April 1984, trying to establish the actual xmtr site(s) of Khartoum stns was not easy. Since 1975 the WRTH says Omdurman (Soba) G.C. 32.28E, 15.30N, for 576, 765, 963 and the SW fqs, and Senar for 1296 kHz, which is a place about 180 km SE of Khartoum. Tho the bcng organisation w/admn and studios is in Omdurman, only FM & TV xmtrs can be found on same site. Soba is about 20 km SE of Khartoum, and indeed from the main road to the south one can clearly see the stn. But GC of WRTH don't represent this but a place somewhere on left bank of White Nile. The 1979 MW list instead gives 32.40E, 15.30N for all MW fqs and this is exactly the Soba site. Unfortunately, I could not positively establish where the SW xmtr(s) actually are. I was told that they are not in Soba, but in Fitahab, south of Omdurman, which is on the left bank of the Nile. Also the THFBS of recent years lists the SW xmtr site as Omdurman at 32.28E, 15.30N like the WRTH. Also, on a large city map of Khartoum/Omdurman I found the name Al Fitahab for a village south of Omdurman. Due to lack of time and transport I could not find this. But it seems clear now that there are at least three different sites in and around Khartoum/Omdurman-- the site of the studios in Omdurman itself, the MW xmtrs at Soba and the SW at Fitahab. In addn there might be a fourth site (or maybe identical with the third): in the city map I found a 'radio tower' noted somewhere in the western suburbs of Omdurman and when I went there I saw a steel construction mast of about 100m height. But no further details could be established. A 1977 survey listed these SW xmtrs for Khartoum: two 20 kW installed in 1964 on 4990 and 6150 were out of order, as was a 50 in 1960; in good condition were 120 kW on 7200 and 11830, and 50 kW on 9505, installed in 1968 and 1960 respectively. (Gerhard Werdin, W Germany, Jan/Mar 1985 UADX)

S W I T Z E R L A N D SRI in EG 4/9 0200 on 6135 9725 9885 11925; 12035 listed but not found due to QRM (Don Hosker, Whitman MA)

T A I W A N Family R, S85 via VOFC: 13-16 EG India 15055. 15-17 RS 15090. 21-23 CH 6300. 22-24 15055 EG China; 1110-1520 7315 9845 CH to China. The use of 6300 is unusual, and possibly illegal. For Region 3 (Asia etc) such a fq is allocated only for maritime-mobile purposes (Bob Padula, ADXN) Isn't it the same elsewhere? But that doesn't stop a lot of bcng above 6200. I

wonder if this is a typo for 7300 (gh)

UNITED ARAB EMIRATES Per UAE R's Mailbag of 18/8, look for changes to the service to NAM when the first of two new 500 kW xmtrs goes into svc later in the year (Joe Hanlon, Philadelphia PA)

USA WORLD OF RADIO has been rescheduled on WRNO to improve reception, make times more convenient and avoid football pre-emptions: UTC Sat 0300 on 6185, Sat 2330 on 9770, and still Sun 1300 on 9715. Informal reports to gh of how reception now is in your area will be welcome. From 27/10 these move one hour later by UTC on the same frequencies except UTC Sun 0030 on 7355 (gh)

The complete WRNO sked until 0700 UTC 27/10: 15-17 11965, 17-21 15420 (extendable to 22 if necessary for football), 21-2230 11705, 2230-24 9770 (alternate: 9852.5 at 2245-24 for occasional use only), 00-03 7355, 03-05 6185; Sun 05-12 6185, 12-1330 9715, 1330-15 11965.

From 0700 UTC 27/10: 16-18 11965, 18-21 15420, 21-2230 11705, 2230-24 9770, 00-04 7355, 04-06 6185; Sun 06-13 6185, 13-1430 9715, 1430-16 11965; and this will tentatively continue in D85 (via George Jacobs, Silver Spring MD)

VOA feeder on 11982.5 LSB, 0030-0115 mx & EG nx strong 24/8; what is location & purpose of this? (Ernie Behr, Kenora Ont) Probably feed to Antigua (gh)

Christian Science Monitor has chosen a site in NE Maine, N of Bangor, for their xmtr. A 500 kW SW xmtr will be installed as well as a 100 kW backup unit. GSM is now applying for a construction permit (SWG via Sept DX Ontario)

VENEZUELA R Nacional hrd on 5022.2a on 12/9 w/nice YV mx at 0013. Great sig, but best on LSB due to Rebelde QRM. Still there at 0130 re-check (John Wilkins, Wheat Ridge CO)

R Nacional on 9500 LSB, from 1105 SP pgm 15/8, // 9540 stronger but low mod (Ernie Behr, Kenora Ont)

VIETNAM [Cf Aug LN-28] Re Lang Son, 5891.7, my own observations are from a 29/7 bc at 12-1245. Lang was south Vietnamese and Lang Son is NE of Hanoi. If lang means anything I doubt it's Lang Son. Unfortunately QRM plagues the tape I made. (Bruce MacGibbon, Gresham OR, 25/8)

ZAMBIA Govt proposes to set up new 50 kW xmtrs in Chipata, Kasama, Mongu, Mansa and Solwesi for SW improvement in cov to rural areas, from Japanese firm (WBN via Aug ADXN) S85 regs for Lusaka include: 7220 06-1615 50 kW, 9550 1530-2130 50, 7250 06-1615 120, 11880 0530-0730 & 1030-1245 50, all for SAf (ITU-THFBS via Aug ADXN) ZBS Lusaka, tent on 9505, 17/8 closing w/NA til 2203* Sat nite; strong sig but under jmr until 2200; Zambia sked on 9550 above should probably read 9505, hrd here since Jan 83 (Ernie Behr, Kenora Ont)

CLANDESTINE CRANNY

R Truth, 5015, hrd 12/9 0445, W comtry on proposed US sanctions against RSA (John Wilkins, Wheat Ridge CO)

R Bardai, Libya? Hrd nightly here from 20/8, more or less w/vy powerful sig, emotive speeches, and so on at about 2300 on 6009.0 (Juan Carlos Codina, Switz)

Sedaye Mejathe Iran sent confirmation letter to José Jacob; same org providing bcs of R Irana on same xmtrs. Letter came from Germany tho reported to Danish addr. An Iranian friend xlt'd addresses given: 1) P O Box 102, 2670 Grevestrand, Copenhagen, Denmark. 2) P O Box 301582, 2000 Hamburg 36, Germany. 3) P O Box 201225, 5300 Bonn 2, Germany. Letter gives sked as 0330-0525 & 1630-1825 on 15555 & 9027 (latter replaced by 11640 --UADX ed). After Sedaye Mejathe Iran s/off the carrier remains and at 0530 & 1830 R Irana comes on same fqs; these are fqs used by former R Vatana (Victor Goonetilleke, Apr/Jun UADX) Usually rendered as Seday-e Nejat-e Iran (gh)

R Sparks (V of the Emancipation Army), anti-Chinese-govt stn on 7184 at 14, 1415 1430, 1445, 1500; October Storm on 9267 same sked; fake Central Peoples' Broadcasting Stn hrd Fris 7254 12-1230 (Isami Hyuga, Japan, Sept ADXN) Recent press reports say USSR stopped cland bcs to China, as a sign of improving relations; from these stns? (gh) Still hearing jamming on the fqs (David Newkirk, CT)

CLANDESTINE STATION: VOICE OF TAMIL EELAM

For two years and a few months the Voice of Tamil Eelam has been broadcasting anti Sri Lankan broadcasts. We have kept it out of our pages, but we thought since it has been mentioned in various DX-Magazines, we must feature it in UADK. This station began transmitting on the 6th of November 1983. Prior to the station appearing in the Southern Asian airwaves this transmitter was being tested from Germany and quite a few people reported its signals in Europe on weekends-like the many hobby pirate stations on weekends.

The Sri Lankan authorities were tipped to expect its possible appearance and when it finally appeared in S.Asia it was no surprise. It started off with broadcasts in Tamil for 30-45 minutes depending on its s.on time. It began transmissions around 7.a.m. (0130 UTC) on Sundays and after a couple of weeks increased transmissions to Saturday and Sunday both in the morning and evening. The frequency used varied between 7000-7100 kHz right inside the 40 metre ham band.

A few months later the broadcasts were increased to include English and Sinhala. Recently an additional transmission on Wednesday was added. During the first few days of their transmissions which were not technically very good the station went unjammed. Then the station was subjected to jamming first with an open carrier with a 600-1000Hz tone. Later overmodulated music and reversed tapes were used. The clandestine station shifted frequency in mid flight to avoid the jammer, however quickly followed by the jammer. This game went on for some time when the government decided not to jam it. This at the time was good judgement. The clandestine broadcast was coming out with all sorts of exaggerated battle reports and even more exaggerated and dreamed up atrocities by the Security Forces. While the more balanced people could easily see thru it, it would have made the extremist rightists who were very angry with the Government for not putting down the insurgency with brute force, quite happy to hear from the terrorists that they are being massacred!

However, the Government changed its mind -see press outline- when the terrorists changed their tactics. They now broadcast communist propaganda, urging the people to overthrow the pro western Government of President Jayawardene and set up a government of the people-the oppressed classes. The terrorist strategy is clear. The Tamil Separatists who number 12.5% of the population who are fighting for an independent Tamil State of Eelam, have terrorised the Tamil population to helplessness. The Tamils in the North and East of Sri Lanka are frightened to apace the terrorists because terrorist justice is swift. Nearly a 100 people have been shot and hung on lampposts with placards identifying them as traitors. These innocent people are caught in the crossfires of the terrorists and the Security forces. Now the separatists are trying to play to the Leftists in the Sinhala Majority saying that they are not against the Sinhalese, but against a Capitalist pro western Government. Statements like "Our Struggle is not racial all people of Sri Lanka can live in a united Sri Lanka under a Marxist Leninist state where there is no Class, Racial or Religious divisions." Thus the Government has taken a fresh look at the station. The jamming has recommenced and the cat and mouse game between 6900-7100 kHz goes on.

The signals are strong and suggest about a kilowatt or 2. Looks more like a low power transmitter with a linear. Two transmitters are in operation and the programming on one runs about 20 seconds behind the other. This is done to try and provide a continuity of the programming as the jamming makes it impossible for the clandestine operation to stick to one frequency for more than a minute at the most. The operation has a listenership out of curiosity but soon people lose interest because of the need to constantly shift frequency which is not too easy on an average radio receiver.

The big question in everyone's mind we are sure is "From where is it coming?". On the first few days it was thought that the transmissions came from a boat or trawler out at sea. Terrorists claimed that they were operating from within Sri Lanka, also stated was that they were transmitting from one of the many small off shore islands off the North of Sri Lanka.

But detailed direction finding revealed that the station is not on Sri Lankan soil and that it was not off a ship as stated for diplomatic reasons but on Indian soil. The Indian Govt has denied it, just as much as it has denied the existence of terrorist training camps in Tamil Nadu where the people are Tamils too who enjoy cultural and religious links with the Tamils of Sri Lanka when propagation has been impossible on 7MHz within Sri Lanka VCFE has been blasting

thru like other Indian stations and hams on 40 metres and finally not so long as the Sri Lanka. Premier clearly stated that it is in India and all we can do is to jam it until such time as India decides to help us.

All the terrorist leaders live in Madras and direct operations from there. There are radio links in operation between these leaders in India and their cadre in Sri Lanka. When an attack takes place, responsibility is claimed by them in India. Press conferences and interviews are given to foreign and Indian correspondents by them from S. Indian cities. Sri Lanka is divided by a narrow stretch of sea which is just 20 miles in some places. Crossing of this stretch of sea is very common and many high powered boats ply with 'hit' squads from across the sea. The Sri Lanka navy was not prepared for this type of activity especially since the territorial waters is a mere 10-15 miles in this narrow stretch. The Indian Central Govt has had other problems and due to the strong Southern lobby turned a blind eye to the issue until very recently when the situation reached serious proportions. Under those circumstances to allow a clandestine radio transmitter to broadcast or better still ignore it was nothing to worry too much about. Sri Lanka's pleas, requests; angry outbursts were all ignored by a massive neighbour who was just not interested it seems. In the meantime the bloodshed has continued. Attacks by terrorists on the security forces, state institutions in the North and East and resultant action by the forces and incidents when the forces and civilians of the majority Sinhalese have lost control under grave provocation has compounded the situation. So to-day we have an explosive situation where India can not anymore turn a blind eye to the use of its territory for undemocratic actions against a neighbour. The Tamils in Sri Lanka number 2.5 million and how can the Indian Govt allow a separatist move to set up an independent Tamil Eelam and think 45 million Tamils in India will not entertain such ideas and break away from the rest of India? In June the Summit between Premier Rajiv Gandhi and President Jayawardene has ushered in a new era of friendship and co-operation. Listeners ask why hasn't the Voice of Tamil Eelam gone off the airwaves with the pledge to end all violence directed at Sri Lanka by Tamil Separatists by India early this month? We feel the VOTE will go on for a few more weeks or months and disappear with a ceasefire of all hostilities, so as not to embarrass India into an obvious admission that the VOTE is in India.

This article may sound political. It wasn't meant to be so, but few will not see that it's impossible to write about a political clandestine station without giving the background to its existence and operation. In UADX we have members who belong to all communities of Sri Lanka and also members both in India and Sri Lanka. For a long time clandestine radio was just a radio signal, something exciting to look for but when it comes to your doorstep and see how its programming can threaten the peace and tranquility of your land and endanger innocent lives this whole business takes a terrible dimension which I am sure few western DXers have ever faced. We in Sri Lanka hope and pray that peace and tranquility will return to Sri Lanka. Our Island has championed the cause of Third World nations. It was amongst the few nations that initiated the non aligned movement and as DX-ers and SFLs Sri Lanka is like a test case for the Third World. If Sri Lanka doesn't survive this grave crisis, we don't think we hold any hope and faith for a free world which will finally disappear. We shall overcome.

Eelam broadcasts to be jammed

By B. C. Faris
Sri Lanka is ready to launch a radio offensive and jam the clandestine Eelam broadcasts, now made in Tamil, Sinhala and English.

These broadcasts have a clear reception in the environs of Colombo and the south of the island.

A top Government spokesman told "The

Island" that counter programmes had been made by radio experts, to be broadcast on the same frequencies as the clandestine Eelam Radio, but in a much more powerful manner.

Recently, an Eelam Radio broadcast was drowned by a more powerful radio broadcast which came on the same wave-length, and gave answers to the

Eelam cry" and the alternatives beneficial to the Tamil people.

The spokesman said that their initial experiments were successful in counteracting the "lie broadcasts over the clandestine radio". These counter broadcasts would move from one wave length to another, as the clandestine broadcasts do.

The Tamil broadcasts which are mixed with popular songs, etc., give

information about what Eelamists are doing in Sri Lanka and their political claims.

The Government is concerned over the Sinhala broadcasts that follow the Tamil broadcasts on the clandestine radio.

According to this spokesman, the Sinhala broadcast are scented Marxist-type of revolutionary analysis of the political situation in the country.

"This type of analysis

Apparently some of them are in Madras with the Eelamists and record these analytical theories to be broadcast to Sri Lanka, along with Eelam propaganda," the source explained.

The broadcasters always make their listeners believe they were not against the people but only with the Government, the source added.

Cutting from the paper
"The Island", 26th May 1985

(Victor Goonetilleke, UADX, Apr/Jun)

Voice of the National Army for Democratic Kampuchea, operated by Kampuchean resistance forces, fighting to liberate country from Viets. During March when Viets went on full scale attack, stn went off the air to return a few days later. Claims to op from liberated areas of Kampuchea but a more likely place is inside Thailand. You might ask then why did it go off? Obviously to counter any claims that it is inside Thailand! The radio amateur stn XUISS which claims to op from HQ for People's National Lib'n front also was silent during Viet offensive, but is again hrd on 20m. VONADK was on 5404 for a few days but is now back on old fq 5200. We much apologise for an error when we said on Media Network that stn moved to 4465--mistaken ID of Udomsai, Laos. Current sked is Cambodian 2315-0030, 05-06, 10-1330; Viet 0030-01, 0430-05, 1330-14, all on 5200 (Victor Goonetilleke, Sri Lanka, April/June UADX) Was on 5400 18/5 to 24/5, back on 5200 from 25/5; during Vietnam's long awaited offensive against the Khmer Rouge strongholds in Kampuchea stn was believed to have moved from the guerrilla base in Phnom-Malai to escape advancing Viets (Sarath Weerakoon, ibid)

V of the People of Malaysia, since April, is subject to jamming. Stn opd by Marxist-Leninist faction of Malaysian Communist Party, on 7075v: 2130-22 Cantonese, 22-2230 Malay, 2230-23 Std CH, 23-2330 Tamil, 1430-15 Cant, 1130-12 Cant, 12-1230 Std CH, 1230-13 ML, 13-1330 TM, 15-1530 Std CH. ID in Malay is "Inilah Suara Rakyat Malaysia" repeated. Believed to op from stronghold in southern Thailand (Sarath Weerakoon, Sri Lanka, Apr/Jun UADX)

V of Malayan Democracy is op'd by MCP's mainstream and continues hrd on 6700v & 8998v at 0430-0515 in ML, 0515-0545 in CH, 1215-13 ML, 13-1330 CH. ID in ML is "Inilah Suara Demokrasi Malay"; unlike VOPM, these are free of jamming (ibid)

V of the Burmese People is silent on 7570 since April. I wonder if connected w/Burmese pres Ne Win's visit to Beijing in May. For sevl yrs Burma pressing BJ to stop giving material and moral support to the outlawed CP of Burma. This was Ne Win's 12th goodwill visit to China. Xinhua said he was first for dignitary to be invited by Chinese leader Deng Xiaoping. For leaders usually invited by Pres Li Xiannian, PM Zhao Ziyang or other ministers (Weerakoon, ")

R Marti is rumored to be obtaining a new 100 kW xmtr, which may or may not be in place in Marathon yet. The increased strength observed in Keys could also be due to improved radials and other increases in efficiency (gh)

La Voz del CID on 9950, hrd 13-0330*v, 24/8, vy strong, same level as mx-stn on 9960, hrd *13-15* & *00-02* (Ernie Behr, Kenora Ont) CID back on 9940v 22/9(gh)

La Voz de Alpha 66, Florida tentative QTH, 6667.8 to 6670.5, vy strong AM sig hrd 22/8 0112-0130* speaking the chief of the mercenaries and gangsters from this CIA group, infamous for their killings of unarmed peaceful Cuban fishermen and other crimes ordered by the CIA (guess who: Juan Carlos Codina, Switzerland)

R Quince de Septiembre, 6214.4, speaking of CIA mercenaries, this stn in Honduras is also well hrd here nightly with AM sig and its usual lunatic anti-Nic commentaries (ibid.)

Spy Numbers on 9958.4 at *9230-0240* 12/8, SP W repeating same digits "8891 5400" over and over, day after day, in USB mode (Ernie Behr, Kenora Ont)

NORTH AMERICAN PIRATES KBBR, unlicensed stn eqp seized & alleged operator Russell Rierson of Boonesville AR arrested by US marshals; faces year imprisonment, \$10,000 fine; FCC said he previously ran KRZY as Captain Crazy, for which he was fined \$1000; various 6 & 7 MHz fqs; in another case, FCC detected pirate allegedly operated by Liam Ryan of Kirkwood MO, fined \$1000 [stn not named]; FCC seeking public's help in locating others (Crain News Svc, via Electronic Media 9/9 via Tom Gavaras, Minnetonka MN)

Radio USA sent 'fantasy' notice of 5-yr plan to establish a world svc w/new 100 kW xmtr in addn to NAM svc, using most mbs, adding to EG SP, FR, Urdu, by spring/summer 1989; has been and will be from intl waters only, says Ms Midge Glass, Secretary (gh)

UNIDENTIFIED 9950.0 *0224-0410+ 19/8 & 20/8 per Mitch Sams tip, carrier noted at t/in 0205, 8-note stringed IS 0224-0227, march mx, AR M into pgm of AR vocals, political talks, mx concentrating heavily on Iraq; peaks to excellent level 0345 (Terry Krueger, DX South Florida) 20/8 0230 AR, brief unintelligible talk by M at t/in, then Qur'an recitations to 0300; another anmt by M at 0300 unseeded ID, fair (W J Parks, ibid.)

7437 presumed pirate 17/8 0229, played Cherry Hill Park by Billy Joe Royal, Good Foot by James Brown, Alabama Wild Man by Jerry Reed, Down Under by Men At Work. Sounded like addr in Hawaii at 0240; complete fade 0241; still gone at 0245, so thought it was off. Then hrd at 0245 "Captain Willie calling the Fox", 0247 "I can hear him, but he's barely making a sound" and "Captain Willie--someone is calling you on this channel--Captain Willie". I checked 7400-7500 kHz looking for the pirate, but did not find them; gave up at 0300 (Kraig W Krist, Falls Church VA)

6130.7-6130.8 mideast or perhaps CAs stn seemingly in AR, chants etc abt 2330-0030 more or less (Juan Carlos Codina, Muri, Switzerland, 22/8)

5894 on 12/9 at 1358, EZL mx, no break at 1400; vy weak, don't think an Indo (John Wilkins, Wheat Ridge CO)

4956.5a 14/8 0452, not too strong, QRN prevents determining lang of soft-spoken M ancr; possibly the wandering RN de Angola, reported nearby (Wilkins, CO)

4777, 4/9 0105, G sig but massive QRN; hard to tell even lang, tho may've been FR. If so then RTVG [Gabon] is logical guess, but never hrd 'em so strong, & time doesn't fit; s/off arnd 0200 per re-checks (John Wilkins, Wheat Ridge CO)

PUBLICATIONS Broadcasting Stations of Vietnam, "world's most comprehensive list of Vietnamese broadcasting", has just been published in Sept. Xeroxed, 114 pages, loose-leaf w/metal clasp. This is really a monumental work of DX research by Isao Ugusa of DX Front Line, fascinating from the historical standpoint, with a great amount of detail researched from a wide variety of sources, including specifics on station IDs in various languages, frequencies, powers, etc. Covers over 100 stations from the 1930s to mid-1985, both official and non-official; typical schedules, maps, previously unpublished material. I strongly recommend it. US\$7 cash only or 13 IRCs by overseas airmail, US\$4 cash only or 7 IRCs by surface mail. No coins or checks. From Isao Ugusa, 1-3-10 Mikage-yamate, Higashinada, Kobe 658, Japan (gh)

DX Listening Digest Review of International Broadcasting never has enough space to do justice to the large amount of DX-oriented material on hand, so it has been decided to start a new 40-page publication. Since it will be published alternately with RIB, however, any timely program-oriented material can be included which would otherwise be outdated. The format will be similar to IN. About half of each issue, however, will be devoted to Enjoying Radio, edited by David Newkirk, a new publication covering both the technical and the philosophical in a refreshing down-to-earth way. The first issue is about to be published. In the US & Canada, samples are \$1 US; subscriptions \$17 for 12 issues, by first class mail (airmail to Canada). RIB is normally \$18, but those taking out a new subscription to both at the same time can do so for only \$33, until Jan. 1, 1986. To be completely informed about shortwave, check out DXLD! Order from Glenn Hauser, Box 490756, Ft Lauderdale FL 33349. First come, first served; only a limited number of the inaugural issue of DXLD will be printed.

Review of International Broadcasting, Issue 103, is now available, including: Broadcasts in English update, "Good Evening Everybody," Loren Cox recalling the heyday of the radio news commentators; Listener Insights on Programming, station news, program reviews and previews, country by country; Domestic Information & Associated Listening (DIAL); "Druk Yul's Voice on Shortwave," two Indian DXers' account of their visit to Radio NYAB, Bhutan; an article on Australia's Royal Flying Doctor Service & School of the Air services; and Radio Equipment Forum, edited by Loren Cox, with contributor comments about receivers and other equipment. Samples are \$1.50 US in the USA & Canada; subscriptions US\$18. See special combination offer above! From gh, address above.

QSL

Sam Barto, NASWA QSL Editor
47 Prospect Place
Bristol, CT 06010 USA

ALGERIA: RTVA 17745 f/d cd. in 3 mo. (Bowden).
ANTIGUA: Deutsche Welle 6040 n/d cd. w/ pennant in 37 ds. (Weber-OH).
ARGENTINA: RAE 9690 and 11710 n/d cd. in 5 wks. for an EG rpt. (Bowden).
AUSTRALIA: Radio Australia 15320 via Shepparton f/d "Aborigine Actor" cd. in 2 wks. (Bowden). f/d "Woodchopping" cd. in 2 wks. (Bowden). 9770 cd. in 2 wks. (Bowden). 11720 and 15395 f/d "Seals" cds. in 5 wks. (Bowden). 17715 f/d cd. via Darwin in 37 ds. (Plum-NJ). 9580 via Shepparton in 15 ds. (Renfrew-NY). 9770 f/d cd. via Carnarvon in 15 ds. (Renfrew). VLN9 9610 f/d cd. in 3 wks. (Bowden). VLR6 6150 f/d "Map" cd. in 43 ds. for 1 IRC. (Lare-MI). VLV6 6140 f/d "Map" cd. in 2 mo. for 1 IRC. (Lare).
AUSTRIA: ORF 5945 f/d cd. in 6 wks. (Bowden). 9635 and 6000 f/d cds. in 2 mo. (Bowden). 9635 f/d cd. in 7 wks. (Bowden). 15320 f/d "Lungotz im Tennengau" cd. in 77 ds. (Eckert-PA).
AZERBAIJAN SSR: Radio Moscow 9710 via Baku f/d cd. in 35 ds. (VanHorn-FL). Radio Baku 6110

* f/d plain white paper cd. in 163 ds. (Rigas-IL).
BELGIUM: BRT 9880 "17th Century" cd. in 5 wks. (Bowden). f/d "Three views of Gent" cd. in 1 mo. (Bowden). f/d "Jeunes filles dans les dunes" cd. in 1 mo. (Bowden). 5910 and 9925 f/d cds. in 6 wks. (Bowden). 17675 f/d cd. in 16 ds. w/ sticker. (Levison-PA). 15590 and 9925 f/d cd. in 39 ds. (Levison).
BOLIVIA: Radio Panamerica 6105 f/d "Map" cd. w/ personal ltr. in 305 ds. for a SP rpt. and 2 IRCs. v/s Daniel Sanchez Rocha, Sub-Director. (Woloch-QUE). f/d f/d cd. w/ prepared cd. via station visit. (Moore). Radio Santa Cruz 6135 * f/d blue "Logo" cd. w/ 2 page personal ltr. w/ green and white pennant in 182 ds. for a SP rpt. and ms. v/s Jose Ros Izquierdo, Director. (Reinstein-FL).
NOTE: Per Steve: At the present time for rp. is probably not nearly as good as sending US dollar bills. The postage on the Santa Cruz QSL was an incredible \$b 139, 700!!! Compare that to the \$b12 postage it took to receive a Panamerica QSL in 1981 and you'll quickly notice the horrendous inflation rate in Bolivia... Thanks Steve... Sam.
* Radio Cristal 5005 f/d "Mercado Cochabamba" cd. via Moore visit. v/s M. Castro (Rein-stein). Radio Nueva America 4797 f/d "Bolivar" cd. via Moore visit. (Reinstein). f/d prepared cd. via visit. (Moore). f/d "Painting" cd. via Moore visit for a SP rpt. (Wilkins-CO). Radio La Cruz del Sur 4875 n/d "Llama and antenna" cd. for a SP rpt via Moore visit. (Wilkins). cd. w/ folder * via visit (Moore). Radio Altiplano 5045 ltr. w/ paper pennant for a 74 reception via station visit (Moore). Radio San Rafael 5055 folder cd. for a 74 reception per station visit. (Moore). Radio San Jose 5985 f/d prepared cd. via station visit. (Moore). Radio Progreso 6005 p/d ltr. for 80 reception. v/s Waldo Cerruto, Director-gerente. Obtained via visit. (Moore) * Radio Condor 6069 ltr. via visit. v/s Romulo Bracamonte Mercado, Director. (Moore). Radioemisoras Bolivia 4755 f/d prepared cd. via station visit. v/s Teodoro Pacho, Director. (Moore).
BRASIL: RadioBras 11745 f/d cd. in 27 ds. w/ decal for 1 IRC. (Hardester-CA). same in 2 wks. (Bowden). VOA via RadioBras 9580 f/d "Liberty" cd. in 8 ds. (Wilkins). Radio Anhanguera 4915 f/d form ltr. in 94 ds. for a PT rpt. and ms. (Dillon-DC). Radio Poti 4965 f/d cd. in 1 mo. for a PT rpt. (Schmitz-FRG).

BORNO RADIO CORPORATION

Telephone & Cable:
BANDUNG, BANDUNG,
Phone 22094

BROADCASTING HOUR:
BANDUNG

..... 23th. March 1981.

3 777 Via Herba,
Santa Barbara,
Cali, 91110,
U. S. A.

Dear Sir,

RECEPTION REPORT

Thanks indeed for the reception report of 8/3/81. We confirm the content of the report. (L.100MHz).

The programme out-put of that frequency are for Home consumption, in future you may wish to tune in to our external service (Voice of Nigeria) on 19 metre band.

Thanks for your cards.

it seems that sending ms. to Bolivian stations for rp. is probably not nearly as good as sending US dollar bills. The postage on the Santa Cruz QSL was an incredible \$b 139, 700!!! Compare that to the \$b12 postage it took to receive a Panamerica QSL in 1981 and you'll quickly notice the horrendous inflation rate in Bolivia... Thanks Steve... Sam.
* Radio Cristal 5005 f/d "Mercado Cochabamba" cd. via Moore visit. v/s M. Castro (Reinstein). Radio Nueva America 4797 f/d "Bolivar" cd. via Moore visit. (Reinstein). f/d prepared cd. via visit. (Moore). f/d "Painting" cd. via Moore visit for a SP rpt. (Wilkins-CO). Radio La Cruz del Sur 4875 n/d "Llama and antenna" cd. for a SP rpt via Moore visit. (Wilkins). cd. w/ folder * via visit (Moore). Radio Altiplano 5045 ltr. w/ paper pennant for a 74 reception via station visit (Moore). Radio San Rafael 5055 folder cd. for a 74 reception per station visit. (Moore). Radio San Jose 5985 f/d prepared cd. via station visit. (Moore). Radio Progreso 6005 p/d ltr. for 80 reception. v/s Waldo Cerruto, Director-gerente. Obtained via visit. (Moore) * Radio Condor 6069 ltr. via visit. v/s Romulo Bracamonte Mercado, Director. (Moore). Radioemisoras Bolivia 4755 f/d prepared cd. via station visit. v/s Teodoro Pacho, Director. (Moore).

DEPARTEMEN PENERANGAN R.I. STASIUN R.R.I. REGIONAL I PONTIANAK

Telp. : 4619

1 5.30-11.15 - /D/B /1982 Pontianak, 11 Agustus 1982

1 PONTIANAK 11888, Mr. Sam B. Wilkins,
4385 West St., # 700,
West Ridge, CO 80033 USA

Dear Sir,

I am very much indebted to you for the letter you have sent me dated February 15, 1981

Such a letter would be of much help to improve our condition later on, as it was really appreciated.

To help you either, in your DE ing, I briefly explain your report was considered as correct/true/valid/and sound.

As it would be an expression of my gratitude, herein are the brief descriptions of my station:

- RRI Pontianak is Regional Station which the programme merely devoted to the people who live in West Kalimantan Province.
- We broadcast 17 hours daily on 75, 88, 89 and 743 mhz.
- The frequency of transmitters are 3442 khs, 3995 khs, 1253 khs, 3345 khs.
- Our programme are mainly devoted into two kinds of programme namely Local Program and Regional one.

We really wish your next report as it would be appreciated and comprehensive. We wait for your next report.

Have a pleasure in DE-ing.

SR/ John M. WILKINS
Certificado de Sintonia

Radiodifusora: Radio «LOS ANDES» OAZ2A.
 Transmitiendo desde: Huamachuco, PERU.
 Frecuencia de: 5.030 Khz. Onda corta Banda 80 m.
 Potencia: 5,000 vatios
 Horas, fecha: 02.38-03.15h. Peruana.-1^oOct. 1982



Hemos comprobado sus detalles de recepción y confirmamos la sintonía a nuestras emisoras. Atto.

[Signature]
PABLO CARDENAS VALVERDE
 DIRECTOR GERENTE DER.L.A

BRASIL: Radio Poti 4965 n/d cd. in 29 ds. for a PT rpt. and ms. v/s Maria Luisa Marques da Luz.(Plum). Rdf. do Amazonas 4805 n/d cd. in 28 ds. for a PT rpt. and ms.(Streeter-NY). Radio Nacional do Manaus 4845 f/d cd. w/ form ltr. in 20 ds. for a PT rpt. and 1 IRC. v/s Eudson Monteiro Lima. Addr: Rua Sao Vicente 10, Movro da Liberdade, 64000 Manaus.(Schmitz) same in 49 ds. for a PT rpt. (Streeter). Rdf. Acreana 4880 n/d ltr. in 16 mo. for a PT rpt. and ms. v/s Jose Costa Araujo.(Streeter). Radio Ribeirao Preto 3205

n/d cd. in 41 ds. for a PT rpt. and ms.(Streeter). Radio Rural de Santarem 4765 p/d form ltr. in 48 ds. for a PT rpt. and 1 IRC.(Schmitz-FRG). Radio Sociedade da Bahia 15125 personal ltr. in 19 ds. for a PT rpt. and 1 IRC. v/s Djelma Costa Lino, Gerente Administrativo.(Schmitz).

BURKINA FASO: Rdf. TV Burkina 4815 f/d form ltr. in 32 ds. for a FR rpt. and 3 IRCs. (Paszkiewicz-WI). same in 129 ds. for a FR rpt.(Forsgren-WI). f/d ltr. in 49 ds. for 2 IRCs.(Rigas-IL).



BURMA: BBS 4725 f/d cd. in 136 ds. for 1 IRC. (Schmitz).

CANADA: CPCX 6005 f/d cd. in 19 ds. for 1 IRC. v/s John Stubbs.(Weber). CFRX 6070 f/d cd. w/ sticker in 10 ds. v/s Rena Matsumoto.(Weber-OH).

CAPE VERDE ISLANDS: Radio Voz de Sao Vicente 3931 p/d cd. in 24 ds. for a PT rpt. and 1 IRC.(Laskowski-IN).

CHINA, PEOPLES REP. OF: Radio Beijing 15520 cd. w/ personal ltr. in 34 ds.(Levison). 11860 f/d cd. in 7 wks.(Bowden). 9535 & 9550 f/d cd. in 3 wks.(Bowden). 9860 f/d "Art" cd. in 3 wks.(Bowden). Xinjiang Helk Radiyo Istansisi 4735 f/d cd. w/ ltr. in CH direct from Urumqi in 80 ds. for a CH rpt.(Reinstein). PBS Urumqi 5800 f/d cd. in 67 ds.(Rigas).

CLANDESTINE: La Voz de Alpha 66 6666 f/d prepared cd. in 12 ds. for ms. Addr: P.O. Box * 420067, Miami, FL 33142.(Plum). 7550 same in 12 ds. for ms. v/s Diego Medina.(Wilkins)

COLUMBIA: Radio Sonar 4945 f/d cd. in 6 mo. for a SP rpt. and 3 IRCs. (Bowden). Interest-

* ing! La Voz del Guaviare 6035 n/d paper pennant w/ sticker in 6 mo.(Field-MI). Radio Sutatenza 5095 f/d form ltr. in 74 ds. for a SP rpt. and 1 IRC. v/s Nobora Rodriguez Jimenez.(Schmitz). Ondas del Meta 4885 n/d personal ltr. in 59 ds. for a SP rpt. and * 2 IRCs. v/s German Castaneda, DJ. Addr: Apartado 3104, Villavicencio, Meta.....Only those reports sent to this address will be answered. Others will fall into the hands of the Gerente who is fed up with answering reports.(Schmitz).

COOK ISLANDS: Radio Cook Islands 11760 f/d cd. in 24 ds. for 2 IRCs.(Rigas).

CUBA: Radio Habana 17750 f/d cd. in 2 mo.(Bowden). 9550 and 11760 f/d cds. in 2 mo.(Bowden).

CZECHOSLOVAKIA: Radio Praha 5930 f/d cd. in 26 ds.(Levison). f/d "Moravia" cd. in 24 ds.(Weber). 5930 same cd. in 6 wks.(Bowden). 11990 f/d "Lidice" cd. in 52 ds.(Levison).

DJIBOUTI: Radio Djibouti 4780 p/d white cd. in 32 ds. for a FR rpt. and 1 IRC.(Laskowski).

ECUADOR: Radio Iris 3380 p/d personal ltr. in 26 ds. for a SP rpt. and ms. v/s Daniel Alvarez Tenorio.(Forsgren-WI).





LA VOZ DEL CID
Cuba Independiente y Democrática
certificado de sintonía

A SAN MARTIN
QUIEN NOS SINTONIZO EL DIA 20 de octubre de 1984
DE LAS 11:34 GMT, A LAS 11:50 EMISORA: Camilo Cienfuegos
EN LAS BANDAS DE 40 MTS. FRECUENCIA 7352.5 kHz

ECUADOR: Ondas Canarias

5045 f/d ltr. via Moore visit for a 78 reception. (Field)
* **Radio Panamerica** 3290 f/d prepared cd. via station visit. v/s Cesar Fiallos Sanchez. (Moore). same via Moore visit. (Field).
* **La Voz de Saquisilí** 4900 f/d prepared cd. w/ certificate via visit. v/s Arturo Mena, Gerente.

(Moore). **Radio Zaracay** 3395 f/d prepared cd. w/ personal ltr, decal and pennant in 37 ds. for a SP rpt. and ms. v/s Elsy Cun C., Secretaria. (Reinstein). CRE 4766.6 n/d ltr. in 55 ds. for a SP rpt. Pennant rcvd. v/s Alicia de Blacio. (Reinstein-FL). **Emisoras Gran Colombia** 4910 p/d ltr. in 5 mo. for a SP rpt. and ms. w/ taped rpt. pennant rcvd. v/s Nancy Cevallos Castro de Espinosa, Reportajes de Recepcion. (Orcutt-CA).

ETHIOPIA: Voice of Revolutionary Ethiopia 9560 f/d cd. in 112 ds. after several f/up rpts. v/s Mrs. Zemenay Laike. (Paszkiwicz).

EUROPEAN RUSSIA: Radio Moscow 13680 via **Zhigulevsk** f/d cd. in 28 ds. (Plum). 9785 f/d cd. in 30 ds. (Rigas). 13680 via **Moscow** f/d cd. in 40 ds. (Rigas). 13645 f/d cd. in 40 ds. (Rigas).



FRENCH GULANA: RFI 11995 via **Montsinery** f/d cd. in 27 ds. w/ pennant for 3 IRCs. (Weber).

GERMAN DEMOCRATIC REP: RFI 11970 f/d "DX Club" cd. in 3 wks. (Bowden). 9560 f/d "Art" cd. in 3 wks. (Bowden). (son)

GREECE: Voice of Greece 6205 f/d "Samos" cd. in 274 ds. (Lev-

GUAM: KIWR 9530 f/d cd. in 1 mo. (Bowden).

GUATEMALA: Radio Tezulutlan 4835 f/d cd. w/ pennant and personal ltr. in 336 ds. for a SP rpt. and ms. v/s Elsa Yolanda Castro Och, Secretaria. (Woloch-QUE).

HOLLAND: Radio Nederland 9895, 11935 and 17605 f/d cds. in 1 mo. (Barto). 9895 via **Flevo** f/d cd. w/ sticker in 18 ds. for 1 IRC. (Weber). 9590 f/d cd. in 2 wks. (Bowden).

HUNGARY: Radio Budapest 9835 via **Jaszbereny** f/d cd. in 73 ds. (Kacir-MI).

HONDURAS: HRPC Radio Luz y Vida 3250 f/d ltr. in 4 1/2 mo. for an EG rpt. v/s Don Moore.

(Bunivell-NJ). f/d ltr. in EG w/ QSL cd. in SP in 4 mo. for a SP rpt. sent via Guatemala not Honduras. (Kusalik-ALB).

ICELAND: ISBS 13797 f/d "Thingvellir" cd. in 280 ds. for 2 IRCs. (Streeter). 9859 and 13797 same cd. in 95 ds. (Levison).

INDIA: AIR 9545 f/d "Jaipur" cd. in 6 mo. (Bowden).

IRAN: VOIRI 9022 f/d "War is Ugly" cd. in 54 ds. (D'Angelo-PA).

IVORY COAST: Radio Abidjan 4940 p/d cd. in 20 ds. for a FR rpt. and 2 IRCs. (Paszkiwicz-WI).

JAPAN: Radio Japan 17825 f/d cd. in 2 wks. (Bowden). f/d "Hokkaido City" cd. in 16 ds. w/ calender. (Kacir). 15300 f/d cd. in 2 wks. (Bowden). 15235 f/d cd. in 20 ds. (Levison).

NSB 9595 colorful f/d cd. in 1 mo. (Bowden). 3925 and 6055 f/d cds. in 1 mo. (Bowden).

KIRZHIZ SSR: Radio Moscow 15510 via **Frunze** f/d cd. in 40 ds. (Schmitz-FRG).

KOREA, REPUBLIC OF: Radio Korea 9750 f/d "Building" cd. in 6 wks. (Bowden). f/d "1986 Asian Games" cd. in 39 ds. for 2 IRCs. (Kacir). 6135 f/d cd. in 5 wks. (Bowden).



from the Talbot collection

Mozambique
Manzini
Trans World Radio

60 MB

FREQUENCY 5055 KHz TIME 0356-0428 UTC

Many thanks for your signal report of 17 JULY 1984.

THE FALKLAND ISLANDS BROADCASTING STATION

We are pleased
to verify your
report of reception



Δ370 kHz 3958 kHz 96.5 mHz FM

QSL

No. 171

from the Shea
collection

on 29th March 83

0859-1000 GMT

3958 KHz

P. R. Downes
BROADCAST SECRETARY

KOREA, REPUBLIC OF: Radio
Korea 9570 f/d cd. in 6
wks. (Bowden). 7275 and
9870 f/d cds. in 3 wks.
(Bowden).

LUXEMBOURG: Radio Luxembourg
6090 f/d "Antenna" cd. in
19 ds. for 1 IRC. (Rein-
stein-FL).

MALTA: IBRA Radio 9510 p/d cd.
in 120 ds. for ms. via Tor-
onto addr. (Renfrew).

MOROCCO: RTVM 15335 f/d cd. in
4 mo. for 2 IRCs. (Lare-MI).

MOZAMBIQUE: Radio Mocambique
9620 via Maputo f/d "Map"
cd. in 5 wks. for an EG
rpt. (Field). 9618 p/d cd.
in 39 ds. for a PT rpt. and
ms. (Reinstein).

- NEW BRITAIN: Radio East New Britain 3385 f/d "Map" cd. in 14 ds. for ms. (Forsgren). same in 37 ds. for 1 IRC. (Rigas-IL). elo-PA).
- NIGERIA: FRCN 4932 via Ibadan n/d ltr. in 473 ds. v/s E.O. Emoruwa. (D'Ang-
NORWAY: Radio Norway 9590 f/d cd. in 3 wks. (Bowden).
- PAKISTAN: PBC 17660 f/d cd. in 32 ds. for 2 IRCs. (Plum).
- PERU: Radio El Sol 5970 f/d cd. via Moore visit for a SP rpt. v/s Gabriel Miro Quesada, Director-Gerente. (Wilkins-CO). f/d cd. w/ sticker via station visit. (Moore). Radio Tawantinsuyo 6175 f/d "Machu Picchu" cd. via Moore visit. v/s Ing. Raul Montesinos E., Director-Gerente. (Wilkins). f/d prepared cd. via station visit. (Moore). Radio San Juan de Chota 5274 f/d cd. via Moore visit for a SP rpt. v/s Raul Rivera Burga. (Plum). Radio Union 6115 n/d cd. in 110 ds. for a SP rpt. and ms. v/s Roberto Adrianzen Huaman, Gerente General. (Streeter). Radio del Pacifico 4975 f/d form ltr. in 91 ds. for a SP rpt. and ms. v/s J. Petronio Allavca, Dpto. de Relaciones Publicas. Sticker rcvd. (Schmitz-FRG). Radio Victoria 6020 f/d "Water Promenade" cd. via Moore visit. (Wilkins-CO). f/d prepared cd. via station visit. (Moore). Radio El Sol de los Andes 3230 f/d "Lake Titicaca" cd. via Moore visit. (Field-MI). f/d prepared cd. via station visit, v/s Adela Martinez Arce. (Moore). Radio Atlantida 4790 p/d ltr. in 241 ds. for a SP rpt. and ms. v/s Ivan Tenorio Matute, Administrador. (Rigas-IL). La Voz de Oxapampa 3260 long n/d ltr. w/ f/d prepared cd. and a beautiful pennant for an SASE in 2 mo. v/s Pascual Villafranca Guzman, Director-Gerente. (Moore). Ondas del Titicaca 4922 n/d ltr. w/ pennant for a station visit. v/s Felipe Paquita M., Administrador. (Moore). Radio Cuzco 6195 f/d prepared cd. via station visit. v/s Elena Lizarraga Pacheco, Gerente General. (Moore).
- PHILIPPINES: FEBC DZF9 9585 f/d cd. in 5 wks. (Bowden). DZE9 11890 f/d "Sunset over Manila Bay" cd. in 5 wks. (Bowden). DZF5 9645 f/d cd. in 5 wks. (Bowden). DZ19 7245 f/d "Mayon Volcano" cd. in 5 wks. (Bowden). DZE9 11915 f/d "Hibiscus in Bloom" cd. in 5 wks. (Bowden). DZHE 11745 f/d "Monkey-Eating Eagle" cd. in 5 wks. (Bowden).
- PORTUGAL: RFE 15170, 17835 and 15255 f/d personal ltr. in 1 mo. v/s Ms. Shirley Sandler, Engineering Dept. (Kusalik).

Emisoras Ondas del Orteguzaza
Florencia-Caquetá
Colombia-Sur America

Agradecemos infinitamente
su amable sintonia.

Verdadera potencia sonora, orgullo de la región

onda larga
HJAU-1.160 KHZ
onda corta
HJQA 4975 KHZ
F.M.
91.7 MGHZ

POLISH PATHFINDERS BROADCASTING STATION.
KONOPNICKIE 6, 01-491 WARSZAWA POLAND
P.O. Box 362 tel. 21-84-54
Telex: 812265 ZIIP PL

via David Jones

Very thanks for your Reception Report on our transmission dated 23.6.1984 from Rozpocznia Mercerska operating on 6195 kHz / 102.7.

Time: 1103-1135 GMT

We confirm that this is in accordance with our programme schedule.

With kind greetings,

Time - Table and Frequency

Head of P.F.C.

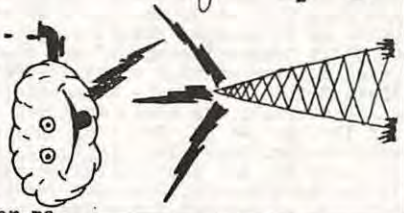
ROMANIA: Radio Bucharest 11940 f/d cd. in 7 mo. (Bowden). 9510 f/d cd. in 89 ds. w/ sticker and personal ltr. (Henschen).
RWANDA: Deutsche Welle 17800 n/d cd. in 63 ds. (Eckert-PA).
SAIPAN: KYOI 11900 f/d cd. w/ decal in 12 ds. for ms. (Woloch).
SICILY: RAI 7175 f/d "Bernini" cd. in 227 ds. (DBAngelo).
SOUTH AFRICA: Radio RSA 11900 f/d cd. in 16 ds. for 2 IRCs. (Weber). Capital Radio f/d ltr. in 53 ds. v/s Iris Wheeler, Secretary. (Kusalik).
SPAIN: RTVE 15365 f/d cd. in 1 mo. (Bowden).
SRI LANKA: YOA 15250 f/d cd. in 8 ds. (Plum).
SUDAN: Radio Omdurman 5039 n/d form ltr. in 2 mo. (Field). same in 97 ds. for 2 IRCs. (Rigas-IL).
SWEDEN: Radio Sweden International 9695 f/d cd. w/ sticker in 28 ds. for 3 IRCs. v/s Ulla Ungermark. (Weber-OH). STA 9695

f/d "Royal Guard" cd. in 3 wks. (Bowden).
SWITZERLAND: SRI 9725 f/d cd. in 5 wks. (Bowden). 11925 cd. in 1 mo. (Bowden)
TAHITI: FR3 6135 f/d "Logo" cd. in 80 ds. for a FR rpt. and 1 IRC. (Harden-Taiwan).
TAIWAN: VOFC 15055 f/d cd. in 43 ds. for 2 IRCs. (Kusalik-ALB). ter-CA).
TANZANIA: Radio Tanzania 5050 f/d "Map" cd. in 27 ds. for 1 IRC. (Laskowski)
TOGO: Radio Togo-Kara 3222 f/d cd. in 63 ds. (Rigas-IL).
TURKEY: Voice of Turkey 9560 f/d cd. w/ pennant in 1 mo. (Weber).
TURKMEN SSR: Radio Moscow 11930 via Ashkhabad f/d cd. in 32 ds. (Van Horn-FL).
UKRAINIAN SSR: Radio Moscow 13665 via Simferopol f/d cd. in 28 ds. (Plum). Radio Kiev 7205 f/d cd. in 120 ds. (Renfrew).
UNITED ARAB EMIRATES: Dubai Radio 11730 f/d "World Map" cd. in 16 ds. for 2 IRCs. (Weber).
USA: KCBI 11790 f/d cd. in 7 ds. for ms. (Rigas). WRNO 7355 p/d cd. in 10 ds. for ms. (Weber). WMLK 15110 n/d form ltr. in 19 ds. (Laskowski).
USA (Pirate): Radio Woodland International 7435 f/d ltr. in 28 ds. for ms. (Rigas). WKUE 7432 p/d ltr. in 161 ds. for ms. (Rigas).
USSR: Radio Moscow 15425 f/d cd. in 5 wks. (Bowden).
VATICAN: Radio Vatican 9615 f/d cd. in 3 wks. (Bowden).
VANUATE: Radio Vanuatu 7260 f/d "Tam-Tam" cd. in 8 mo. (Field).

We are able to confirm our report of your transcription of SWITZERLAND on a frequency of 6135 kHz.

via Joe Talbot

37. Complent IDIOT ;



VENEZUELA: Radio Capital 4850 f/d cd. in 48 ds. for a SP rpt. and 1 IRC. v/s Manuel Correu. (Schmitz).
VIETNAM: Voice of Vietnam 15010 f/d cd. w/ pennant in 105 ds. (Renfrew).
ZAIRE: Radio Candip 5066 n/d cd. in 3 mo. for a FR rpt. (Field)

Till next time...73s

Sam

Samuel L. Parto
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Hristol, Connecticut
U.S.A. 06010

Atividade realizada
Arquivos e agradecimentos a
beneficiários da parada contra o S. de S. de 68
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Temos o prazer de reconhecer
palestrante os dados de sua recepção.

Nossa missão continua sempre a
ser escutar depois

Com carinho,

Adilson Soares



Rádio Educação Rural Ulla
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R.F. 291 292 - 293 294 - 18 84
Rádio em JACOBINA - 11 00 20 1170
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1982 - Laranja Grande - 18 - 08 24 24



update

October 1985***Number 196

Tom Alleman
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UPCOMING DEADLINES: 10 October (Mid-Oct) 20 October (Nov) 10 November (Mid-Nov)

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BURKINA FASO RTVBF, 4815, in FR 0600-30; wild drumming and chanting after a FR ID by M. Wild mx to 0630. (Eric Falkenhan, MD 8-23)

CLANDESTINE R. Truth, 5015, in EG *0430-0500*; birdcall IS, much talk about South Africa economic restrictions and recall of diplomats. (Greg Ravenhorst, MN 9-13) +++R. Monimbo, 6230, in SP 0030-0107. EzL mx, ID as "R. Monimbo, LV de la libertad democratica" by W. Political talks and "La Hora de Popular Musica." (Ravenhorst, MN 8-26) +++R. Nejet-e-Iran (The Salvation of Iran), 15555, in Farsi? *1630-1822*. IS, ID, anthem, political commentary, mentions of Khomeini, Mubarek and Reagan. Extreme modulation problems beginning 1737 yielding a garbled mess. Off with anthem. (Ravenhorst, MN 9-15) +++R. Iran, 15650, in Farsi? *1830-1924*. Piano IS, ID as "R. Iran," many mentions of "Jamahiriya Islamid" and "Regime Islamid." (Ravenhorst, MN 9-15)

ECUADOR LV del Triunfo, 3253.4, in SP 0200-30; QRMd and hetted so best on USB. Fair. (Falkenhan, MD) +++LV del Napo, 3280, in SP 0200-0230; fair. (Falkenhan, MD) +++R. Iris, 3381, in SP 0330-0400, QRMd by CW stn on freq. (Falkenhan, MD) +++R. Zaracuy, 3394.7, in SP 0330-0400; fair. LSB best. Both QRM and het. (Falkenhan, MD) +++R. Jesus del Gran Poder, 5050, in SP 1015-45; fair. M w/ religious prgm, slow speech in SP, gospel like mx and into Catholic mass. (Falkenhan, MD)

GREECE VoGreece, 7395, in EG 0130-40; nx in EG, items on Nicaraguan troops along Honduras border being on alert, ID and into GK. (Ravenhorst, MN 9-16)

GUATEMALA LV de Nahuala, 3360, in SP 0155. Fair-good. Talk by M, occasional marimba mx. (Tom Daly, NY 8-29)

HONDURAS Radio Luz y Vida, 3249.6 fair 0200-30. (Falkenhan, MD)

LESOTHO Maseru, 4800, in EG 2133. M w/ religious prgm till 2155, annmcts by W&M in lang and NA 2200. Fair. (Daly, NY 9-15)

NAMIBIA RSWA, 3295, in at 0200-30; fair. (Falkenhan, MD)

NIGER Niamey, 5020, in FR 2229; West African mx w/ occasional talk by M till 2300. Short flute tune then NA and off. (Daly, NY 9-14)

PERU R. Atlantida, 4790, in SP 0224; fair. Talk by M and ID 0233. (Daly, NY 8-29)

VENEZUELA R. Capital, 4850, in SP 0958-1015. S/on w/ NA, W in SP w/ ID and annmcts. Into local mx and ballads. Poor. (Falkenhan, MD)

VIETNAM VoV, 11750, in Cantonese 1220. Oriental mx till 1229*. Then s/on in CH by W. QRM 11745. Fair. (Daly, NY 9-15)

Our good friend and Peruvian correspondent, Juan Carlos Codina, has set up his radio in his new home, Muri, Switzerland. He reports that it is a beautiful area near Berne. He sends a number of fine reports as always:

The first is an interesting narrative dated 8-13-85.

Here are some reports from Muri using a 7 meter long antenna, at various times during the night. (Remember that the good time for LAM logging here is between 0130-0630 local, so there's no way, as you can imagine, to do constant monitoring if you expect to sleep as any normal person must!) Now to the loggings:

Yesterday (8-12--tba) I heard R. San Juan de Chota, reactivated after more than six months, on 5274.4, of course, with heavy UTE interference, as is usual in Europe. Noted from more or less 2315 UT till closing 0035. Did not hear the ID clearly, only mentions of the 60 mb, "El Condor Pass" theme and so on. Another interesting item is the first report in Europe in several years of Radio Arcangel San Gabriel, Antarctica Argentina, on 6029.2 with slight het from R. Santa Maria, Chile, on 6029.4, from more or less 2330 till closing with full ID 0033. Before the closing a religious prgm by a priest. Most of the programming with the usual young lady.

Another interesting tip for European reception is J.S.V., Huanuco, heard regularly on 6061.3 from more or less 2300 till 0100*. Besides that the normal out-of-banders heard DAILY: Estacion 2000, Rioja, on 9988.4; Radio Continente, Juanjui, on 8926.5-8926.0; Radio Celendin, Celendin, although only with carrier, on 7054.7; Radio Nuevo Cajamarca, distorting and moving around 6963-6964 (a month ago they were sometimes around 6958); Satelite on its usual 6724.3; R. Tacna, on 6566.2, for several weeks, but from last

week on 6564.3; Ecuadorian Radio Omega (I suppose they are still using this ID, because I heard them without bothering to wait for the ID on 7-27 at 0400) on 6578.7, with usual program of South Ecuadorian music, pasillos and the like.

Also heard on the same day Frecuencia San Ignacio, on 5801.7 at the same time, but to keep to the order of frequencies, the following regular out-of-band Peruvians, heard daily (the last one in order was Tacna)---

Estacion "C", Moyobamba, on 6323.7; Radio Chota, on 6296.2; Radio Huayabamba, on 6281.5; Radio Municipal de Calca, on 6242.7; Radio La Voz de Huamanga, on 6201.0-6201.2; Radio San Miguel Arcangel, on 5720.5 (only heard daily with carrier because of heavy utility interference); Radio Ilucan, on 5617.5 (inactive last week, though); Acobamba, on 5324.7. Don't want to forget the Bolivians, Radio San Jose, 5581.4, and Machupo, 5450.5.

More Peruvians: Imagen, 5199.1; carrier from Radio Nuevo Continente, Cajamarca, in 5190.9, confirmed this weekend by Jhon Ekwall in Sweden, DXing in a summer house with 300m long antennas, though I heard its carrier a month ago. Radio Mundo, Cusco, 5120.4 Radio Aysaviri, on 4606.7; Norandina, though with carrier only, on 4459.8 (Ekwall heard the programs regularly, due to the difference in propagation conditions and the long antennas); Radio Moderna, on 4300.1; Radio El Sol de los Andes, Santa Cruz, 4254.5.

Have noted the regular Bolivians on 4738.6, 4718.9, 4696.8, 4682.0, 4472.1, 4458.0, 4440.7, 4421.5, all well known.

On the 90mb, I've heard, though not daily because of blockage of channels by utility outlets, Camargo, 3390.3; Cutervo, only tentative with carrier, 3389.8; Pastaza, 3316.2, and daily with good signals, El Sol de los Andes, Juliaca, on 3329.2.

Most of this listening is done, as stated before, in short periods between 2300 and 0130, but one night I listened through 0400. Some of the out-of-banders, such as Estacion 2000 and Continente (9988.4 and 8926.2) are already audible at 2130, though very weak. The best time for out-of-banders is the period between 2330 and 0130.

Hope this gives some idea of the potentialities here. A good receiver like the 515 and experience and skills make the difference.

Some more comments and news from friend Juan Carlos:


Was very interested to see the recent report that Radio Cutervo had been founded on 1 June 1984. I heard it on its first day, 6 August 1983. The lesson in this is that information obtained from the stations themselves is not necessarily the most accurate. I always explain (and it's a good reminder--tba) that the only accurate information is what comes out of the speaker of your radio. Some other examples: Radio Moderna was reported to have begun operations on 9 September 1983 on 6364 when I actually heard them on their first day on 31 July 1983 on 6794. There are many more examples and all of them show that stations not only often have no idea of when they began to operate as well as being wrong about their frequencies.

Now one very interesting bit of news. Radio Habana Cuba was heard for the first time in many years broadcasting two different programs to LAM in SP. Hrd with "Copa Intercontinental" (World Baseball Cup) game between South Korea and Cuba played 18 August in Canada. The news is that the following frequencies, normally assigned to usual SP prgms to LAM from 2200 were instead assigned to the live transmission of the cup game from Canada: 15230//11815//9655//9550, and to make it even more exceptional, the Rebelde freq (5025) was also carrying the same program, but, as on other freqs, the IDs said "Radio Habana Cuba transmitiendo en vivo ..." etc., etc. That's really new for RHC!!! The other two freqs to LAM in SP, 15300 and 11760 were carrying normal programs, news, etc. This went till 0200 when all freqs assumed normal programming in //. Didn't check 5025, so perhaps they switched to Rebelde prgms. This all on 8-19 and times are UTC of course.

More from friend "JCC" next time. Welcome back to UD!!!

Many thanks to all who contributed.

73. *BA*



LOG REPORT

section A

2000 to 4899 kHz

Editor: Mike Harris, P.O. Box 264, Grove City, OH 43123

- 2340 China. PLA Fulian. 1241. CH. YL vocalist w/ Taiwanese style pop mx. Poor sig but no QRM. First 120m logging this year(Robertson 31/8)
- 2495 Madagascar. R.M. 1835. Vern. drama, old english hits. "Mississippi" at 1845 //FR 3287.6(Schulze 24/8). 0155-0308 (Krueger 22/8)
- 3205t Dominican Republic. LV de la Libertad. 0710-0730. SP. SP ballads TC by OM and possible ID at 0730. (Trotto 17/8)
- 3225 Venezuela. R. Occidente. 0115. SP. "Swingin" LA mx and time annts (Dickson 9/8)(Trotto 28/8)(Vance 31/7)
- 3250 South Africa. R. Orion relay by SABC. 2320-2350. Music, Report on "Miss Nude World" from RSA Nudist Federation. Heavy QRM(and probably breathing also-ed) from 2345. (Hill 21/8)
- 3275 Venezuela. R. Mara. 0326-0405. SP. Tlk between 2 men w/ ments of Maracaibo, call letters or something else as "Desde Maracaibo, su pais musical, Radio Mara...". Probably same canned ID they use as s/o. (Valko 9/8)
- 3295 Namibia. R. SWA. 0540. One man interviewing another in GM like language (Afrikaans-ed), heavy QRM. (Park 11/8)(Dickson 23/8)
- 3300 Burundi. LV de la Revolution. 0434. FR. 2 OM's tlk w/ment of "Bujumbura". Pgm of Jazz & Pop mx. Full ID @ 0513. TGNA not on this nite.(Thunberg 18/8)
- 3315 Admiralty Is.R. Manus. 1148. EG/PD. old and semi-old US pop mx and tc's, ID @ 1200,1215, and 1230(Vance 28/7)
- 3320 North Korea. Pyongyang BS. 1434. KR. Revolutionary mx w/ preachy tlk by M&F.(Park 3/9)
- 3325 Guatemala. R. Maya de Barillas. 1052. SP. Latin mx, ID, rooster crow, tlk in Indian lang by M. (Paszkievicz 4/8)
- 3345 Papua New Guinea. R. Northern. 1034. Island vocals, possible EG tk by OM DJ, also noted 3335 and 3385 this morn. (Nikolich 30/7)
- 3346 Zambia. R.Z. 0414-0445. EG. Local vocals w/some tlk and occasional ID's. (D'Angelo 11/8)
- 3366 Ghana. GBC. 0557. EG. AF pop mx, fair ID at 0600(O'Brien 27/8)
- 3380 Guatemala. R. Chortis Jocotan. 0115. SP. annts, accordion mx(Dickson 14/8)
- Malawi. MBC. 0954. EG&vern. OM tlk w/audience, ad's then what sounded like a religious programme(Laskowski 4/8)
- 3385 Papua New Guinea. R. East New Britain. 0923. PG. Overmodulated W w/tk, then a capella singing, more tk and speech by OM, Heavy QRM(Park 2/9)
- 3930 Transkei. Capital Radio. 0445. EG. Rock mx, ads for local products/services, (D'Angelo 11/8)(Trotto 27/8)
- 3931 Cape Verde Is. RV de Sao Vicente. 2240. PP. annts, PP pop mx, still heard at 2350 w/QRM from hams. (VanHorn 4/9)
- 3945 Japan. NSB2. 0906. JF. Surprised to hear this w/M airing pgm of Big Band and Jazz mx, //6115. (Park 30/8)
- 3985 South Korea. R. Echo of Hope. 1645-1701. KR. Tk by M&W, mx and ID by M, W w/band mx, s/o w/skcd.(Park 30/8)
- 4045 China. PLA Fuzhou, Fujian. 1335-1400. CH. CH opera.(Sharpe 30/8)
- 4330t China. Xinjiang PBS Urumoi. 1625. CH. Playing central asian style CH folk mx.(Park 15/8)
- 4658 Lao. Hoa Phan(HS). 1310. Lao. Lao vocals, songs, local mx, very odd mx, almost atonal. Poort w/severe QRM(Robertson 27/8)
- 4719 Indonesia. RRI Ujung Pandang. 1050. IN. Pretty inst mx w/ YL host, persistent RTTY QRM(Nikolich 30/7)(Schultze 1/9)
- 4735 China. Xinjiang PBS. 1145. CH. weak w/vocal inst mx, //5800 was better (Rigas 31/8)
- 4762 Peru. R. Inca. 0645-0705. SP. LA/OA mx, echo annts, ID at 0659(Alexander 18/8)(Vance 27/8)
- 4770 Venezuela. R. Mundial Bolivar. 0930. SP. TC's and ID, ads and mx(Vance 24/8)
- 4775 Peru. R. Tarma. 0420-0503. SP. Beautiful ballads by OM w/lush orch, M anncr into ID, romantic ballads, etc....(Jordan 30/8)
- 4777 Gabon. RTV Gabon. 2330. FR. Tlk by om, local pop mx around 2350(Laskowski 20/7)
- 4780 Venezuela. LV de Carabobo. 0325. SP. Latin pops, ID, promo's and ads. (VanHorn 31/8)(Dickson 23/8)

- 4792 Ecuador. Sistema de Emisora Atalaya. 1050-1115. SP. OM DJ w/LA mx, TC @ 1100 & ID "Sistema de Emisora Atalaya Presenta Informativo Nacional". (Dillon 31/8)
- 4800 Legotho. R.L. 0425. Capella group singing around tk by W and M(Park 25/8)
- 4805 Brasil. RN de Amazonas. 2345-0015. PT. ads,tlk, and mx(Dickson 28/8)
- 4810 Peru. R. San Martin(Tarapoto). 0235. SP. Nondescript LA ballads(Robertson 26/8)
- 4815 Burkina-Faso. Ouagadougou. 0610-0635. FR. rock mx, some disco and af tunes also(Sharpe 26/8)(Dillon 10/8)
- 4815 Brasil. RN Tabatinga. 0229-0301. PT. Pops, clear canned ID at 0230, live DJ and ments of Tabatinga.(Valko 25/8)
- 4820 Ecuador. R. Paz y Bien. 0925. SP. Full ID at 0930,tlk and lcl mx(Vance 3/8) (Bobb 20/8)
- 4825 Peru. LV de Selva. 0030-0048. SP. Many anmts w/TC's all by M anncr. Canned ID at 0045. (Valko 25/8)
- 4830v China. Leoning PFBS. 1350. CH. Traditional CH mx w/flutes, etc, very poor w/QRM. (Robertson 19/8)
- 4832 Venezuela. R. Tachira. 0001. SP. LA mx,tc's. ment of San Cristobal(Dillon 11/8)
- 4832 Costa Rica. R. Relejo. 1130. SP. ID, TC "Aqui Coast Rica...Noticia.." (Dillon 31/8)(Cole 1/9)(Dickson 17/8)
- 4835 Guatemala. R. Tezulutlan. 1140. SP. LA folk mx(Dillon 31/8)(Dickson 29/8)
- 4839t Zaire. Bukavu. 0418-0435. Vern. Mostly tlk by M w/definate ment of Zaire, occasional inst. mx. FR at 0431 after IS typr tune on drum w/possible ID but signal too weak and KO'd by RSA on 4835. (Valko 28/8)
- 4840 Venezuela. R. Valera. 0030-0100. SP. Lively LA pops and comedy pgm(Dillon 11/8)
- 4845 Indonesia(Maluku). RRI Ambon. 1216. IN. Natl Pgm to 1305 consisting of mx and non-stop mx sung by W. Local ID @ 1305.(Vance 31/7)
- 4850 Costa Rica. R. Columbia. 1116. SP. M w/ballads, tc's, and canned ID's, full ID at 1138(Vance 28/7)(Dillon 11/8)
- 4856 Argentina. LOL2. 0055-0100. CM second pulses, fair, operated by Argie Navy(Krueger 30/8)
- 4870 Benin. LV de Rev. Benin. 2220. FR. 60's rock mx, afro mx, and "Bruce" mx, 20 minute speech, ID and closing anmt 0000.(VanHorn 30/8)
- 4890 Senegal. R. Senegal. 2335. FR. Native AF mx, ID, mixed w/AA mx and AA lang.(VanHorn 2/9)

Thanks to those who contributed this month! Have a Happy Halloween and GUN
301111

mile

NASWA NOTES

This month's cover features the North American Service schedule of HCJB, the well-know religious station located in Quito, Ecuador.

We have found a few more NASWA pressure-stick decals. These decals measure 3½ inches square and the price is 50¢ each or three for \$1.00. Please send all orders to NASWA Headquarters, 45 Wildflower Road, Levittown, PA 19057.

Several members have asked for information on renewing their FRENDX subscriptions. The number in parentheses after your name on the back cover indicates the month of the last issue you will receive under your present subscription. To illustrate, if your number is (10), this is the final issue of your subscription (unless you have already renewed). In addition, renewal notice postal cards are sent out about two months before your subscription is up as a reminder.

We seem to have had a slight problem with last month's mailing. The September issue was mailed on the official mailing date, but for some reason the books were subject to some delay in delivery, especially in the Tennessee/Missouri area and California. Although the issue was mailed on time, we apologize for the delay.



LOG REPORT

section B

4900 to 6199 kHz

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

It was a long time coming, but Larry Magne's Radio Database Intl Intl BC Edition was worth waiting for. A highly valuable reference, particularly useful for bandscanning. The 49 mb section seems highly complete, accurate and up to date. \$9.95 from RDBI, P.O. Box 300, Penn's Park, PA 18943. Add \$1.50 postage.

Some interesting DX, considering the summer: Sibolga-5256, several interesting OAs . . .

- 4905 BRAZIL R. Araguaia, 0115 9-10 with dance version of Lauper's "Girls Just Want to Have Fun," ID with fgy, strong (Alcorn-NJ); "Dark Eyes" 0215 8-22, EZL mx, fair (Dickson).
- 4915 COLOMBIA Armonias del Caqueta, 1038 on 7-29, vocal mx, TCs, IDs, full ID at 1102; ID at 1048 described self as playing "canciones de alegria;" good sig (Vance-CC).
- 4915 GHANA Accra, lengthy EG nx at 2235 on 8-30, ID, good sig, afternoon African rcpn definitely improving (VanHorn-FL); 2250 8-17, talk on contraception and abortion, mentions of Ghana, lottery, local lang relig.svc 2300, exc sig (Valko); cocoa crop nx 2250 8-19, vocal mx in local lang (Thunberg-PA); tent. them 2255-2303* on 8-30 with Afro mx, lang recitation, choral mx (Bobb-MN); also tent. 8-27, EG nx ment. Ghana, Afro mx, undecipherable ID by man, 0558-0615 (Sharpe-CA); EG nx read by man 0605 9-14, drum IS 0614, into vernacular; fair but mixing with the Brazilian (Wilkins-CC).
- 4920 AUSTRALIA ABC-Brisbane, clas.mx 1050 on 8-11, straight thru to brief ID at 1150, more mx, soon deteriorating (Dillon-MD); IS 1859 9-1, EG nx 2035 9-3 (Schulze).
- 4920 ECUADOR R. Quito, IDs 0015, canned ads, SP ballads (VanHorn-FL); 0230 on 8-25 with polka mx, bank ad, folkie LA mx, good sig (Dickson); 0452* 8-31, romantic mx, ID (Schulze).
- 4930 HAITI 4VEH, FR 0134 on 8-11, rel.choral mx, ID, "Chemin de la Vie" prgm (Dillon-MD).
- 4935 PERU R. Tropical, prgm notes at 0458 on 9-2, off 0500* without fanfare, very good signal this night (Wilkins-CC).
- 4937v CLANDESTINE R. Unita, 0058-0200 8-4, PT, mix of dance and MoR mx; definite mentions of Angola and canned ID by man; always varies in fgy, and a tough catch; also hrd on a DXpedition 8-18 on 4943v (Valko). Luanda is also floating arnd here—JB.
- 4945 BRAZIL R.Nacl.Porto Velho, mx and talk 1019 8-16, ID 1031, poor w/Neiva QRM (Vance-CC).
- 4945 COLOMBIA Caracol Neiva, conversation, LA mx, ID, TC, 1035-1050 8-11 (Dillon-MD).
- 4945 SOUTH AFRICA R. RSA, hrd at 1955* with IS, 8-19 (Schulze).
- 4950 SARAWAK Kuching, 8-30 1405 EG "Perspective" (UN), prgm info, mx, ad (Sharpe-CA).
- 4955 BRAZIL Not sure which, Br.mx 0150 8-5, some talk, weak; hrd agn 8-12 (Dickson).
- 4960 CHINA Beijing, hrd 1117 on 8-12 in Japanese, fair with CH language lessons (Rigas-IL).
- 4965 BRAZIL R. Poti, 0128 9-4, MoR vocals, then Exodus theme, other instr.mx, IDs (Wilkins-CC).
- 4975 COLOMBIA Ondas del Orteguaia, local mx with many TCs and IDs 1102 8-16, fair (Vance-CC).
- 4980 SWAZILAND Swazi Comml Radio, EG relig.prgm 1845 8-7, prayer, US gospel prgm (Schulze).
- 4980 VENEZUELA Ecos del Torbes, 0907-0922 8-29, NA, IDs, talk, mx, fair-good (Bobb-MN); LA mx with man DJ 1020 8-11, ID as "La musica de Ven., Ecos del Torbes," vy good (Dillon-MD).
- 4985 BRAZIL-? Tent. R.Br.Central, poor 0814 8-21, spelling certain words, gal talking (Park-HI).
- 4990 NIGERIA Lagos, fair 8-25 with stn info 2303, IDs, NA to s/off, all EG (VanHorn-FL).
- 4990 PERU R. Ancash, "Ritmo a la Medianoche" prgm 0424 9-4, cumbias and others, Volvo ads (Wilkins-CC); huaynos 1012 8-3, TCs, IDs plentiful, maybe nx 1038; poor w/ute (Vance-CC).
- 4996 PERU R. Andina, man host 1025 7-30, ads, some mx, poor signal (Nikolich-IL).
- 5005 SARAWAK Sibn, pres.Iban 1135 7-31, talk, instr.mx, ID 1200, fade; vy poor, WWV QRM (Vance).
- 5010 CAMEROON Caroua, AR chants 2310 8-29, FR/AR armts, NA, 2318*, fair sig (VanHorn-FL).
- 5010 PERU R. Eco, 0345-0352* on 8-11, LA pop mx, amts, s/off with NA (Alexander-PA).
- 5015 BRAZIL R. Cult. de Cuiaba, mx 0602 8-22, ID at 0630, poor in the QRM (Vance-CC).
- 5015 ECUADOR Es. Radiofonias Populares, 0258-0306* 8-4, LA mx, ID and NA at s/off (Valko).
- 5015 CLANDESTINE R. Truth, *0431 9-5, IS, gal with amts, poor but better in USB (O'Brien-NY); 0434-0503* 8-28, bird IS, usual beginning and ending tune, cmtry, mx, ID, fair amid RTTY QRM (Valko); 0445 9-12, gal talking abt proposed US sanctions ag.S.Afr, EG (Wilkins-CC).
- 5022 VENEZUELA R. Nacional, nice prgm of YV mx 0013 9-12, strong but best on LSB to escape Rebelde (Wilkins-CC); ending NA and giving fgy at 1004 9-18 (JB).
- 5025 CUBA R. Rebelde, rumbas 2215 8-19, ID, stn promos and info, TC, good signal (VanHorn-FL); light pops 0042 8-12, man DJ, TC, ID, some ute QRM, but generally fair (Dillon-MD).
- 5026v UGANDA Kampala, EG mx, wx, sports, weak at *0400 on 9-2 (Hill-MA); local and world nx, fair at 0405 on 9-3 but almost covered (VanHorn-FL).
- 5030 PERU R. Los Andes, 1006 on 7-29 w/huaynos, TCs, a few IDs, poor w/hvy QRM (Vance-CC).

- 5030 SARAWAK Kuching, 1435 on 8-30, local mx, M&W talking, NA to 1458* (Sharpe-CA).
- 5035 CENT.AFR.REP. Bangui, 2249-2302* 9-15, poor with local mx, talking, FR IDs as "Radio Centrafricque" and "Rdfen TV Centrafricque," drums and off after NA (Gavaras).
- 5040 ECUADOR LV del Upano, lively talk 0045-0110 8-7, HC mx, EZL 0100, improving (Dickson).
- 5040 PERU R. Libertad de Junin, hrd 0320 on 8-25, spoken ID at 0334 with "El Condor Pasa" theme, to 0356* (Robertson-CA).
- 5047 TOGO Lome, south seas mx 2340 on 8-19, tone 2359, ID with stn info, NA to 0003*, good signal (VanHorn-FL).
- 5050 ECUADOR R. Jesus del CP, vocals 1008 7-30, ID 1012, fade at 1041; poor, GRN, het(Vance).
- 5050 TANZANIA Dar es Salaam, Afr mx 0339, long talk, definite ID 0400, fair (Laskowski-IN).
- 5052 SINGAPORE R. Singapore, EG 1218 9-4, soul mx, unreadable talk, //1940 (Park-HI); EG pop mx 1620 on 8-25, ID by man 1630, NA then s/off (Schulze).
- 5055 COSTA RICA TIPC, 0554-0602*, man talking in SP, stn address, NA, good sig 8-13 (Bobb-MN).
- 5055 ECUADOR R. Catolica Nacional, relig.mx 1050 8-16, then full ID, fgy, prgm rvw, mx, fair sig (D'Angelo-PA); *1100 8-26, long NA, flute mx, ID, fgy, TC, prayer (Nikolich-IL); 1133 on 8-16, talk, instr.mx, IDs 1133, 1139, faded 1148; vy poor w/TIPC GRM (Vance-CC).
- 5055 SWAZILAND TWR, EG relig.mx and scripture rdng 0335 8-25, good sig (VanHorn-FL); 0358 on 8-24, IS, ID, EG; relig.prgm in GM 0402 8-31 (Schulze); *0430 in EG, weak 9-7 (Hill-MA).
- 5063 ECUADOR R. Nacl Progreso, ballads 0324, IDs with echo, banco ad, TC, drifting(D'Angelo).
- 5066 ZAIRE Tent. R. Candip, s/on mx 0326 8-23, NA, amts by gal, hi-life mx, weak (Valko).
- 5095 COLOMBIA R. Sutatenza, EG language lesson at 0248 9-4 ("Mr.King is walking . . .") (Wilkins).
- 5256 INDONESIA RRI-Sibolga, 1120-1201 8-28, surprised to find them, fair-clear with soft vocals, Koran poetry 1124 (coinciding with approximate sunset), more vocals, SCI 1159, maybe nx; no ID hrd, vy weak from 1145; rptd by Euro DXers recently 1-1/2 kHz higher (Krueger-FL); 1612-1847 9-1, and regular, pops, old hits, Jakarta nx 1800, good sig (Schulze); 1335 9-12, ID presumed, vy weak, EZL mx, still there 1415 check but almost gone (Wilkins-CC); Indo pops, ballads, fair at 1340-1355 8-6 (Robertson-CA); presumed them at 1115 on 8-12, weak sig, local vocals (Rigas-IL).
- 5260 KAZAKH SSR-? Maybe Alma Ata, fair at 1406 8-23, apparent nx by M&W, pause, tentative ID by man, local mx, no //s noted (Park-HI).
- 5265 CHINA PLA stn, Fuzhou, oriental mx at 1033 9-4, poor sig, make it tentative (C'Brien-NY).
- 5274 PERU R. San Juan de Chota, 2358-0010 8-12, nice huayno vocals, "Esta es R. San Juan de Chota" ID 0004, first log in several months; also this night, Imagen-5200, Nueva Cajamarca-6962 (Krueger-FL); 0045-0115 8-25, nice CA mx, talk, ID 0058, fair(Alexander-GUINEA-BISSAU Tent. them 2328-2345, local mx, talking in presumed PT, no ID VA). hrd; vy poor and occasional RTTY interference; 9-15 (Gavaras).
- 5770 CHINA PLA stn, Fuzhou, poor with gal talking at 1022 on 9-4 (C'Brien-NY).
- 5910 BELGIUM BRT, EG nx, cmtry 0030, talk on employment 8-7, abandoned kids 9-5 (Levison); "Brussels Calling" at 0035 on 8-21, nx, DX prgm (Hinnov); classical guitar mx at 0112 on 8-24, talk about book binding, EG, good signal (Dickson).
- 5930 CZECHOSLOVAKIA Prague, EG Moravian mx 0151 on 8-7 (Levison); EG 0300 with nx, Portuguese elections, Namibia, arms race; better than 7345 this night (Dickson).
- 5940 USSR Mayak prgm, 1145-1200 on 8-28, RS talk, operatic arias, IS, fair-good (Bobb-MN).
- 5945 AUSTRIA Vienna, EG at 0336 on 8-20, nx, ID, rpt on Thatcher in Austria (Hinnov).
- 5950 GUYANA GBC, 0002 8-27, obits, messages for travelers, from people in hospitals telling all is OK, often interesting; covered by RFI-SP *0028; also 8-11, on late at 0506 due to death of president; mentions of sympathy/sorrows from ngmt and staff of GBC and indus.bank; somber mx between condolences (D'Angelo-PA); ID as GBC-Channel 2, TC, 0640 on 8-16, into Indian mx and religious prgm (Valko); hrd 8-18 at 0920-0930 in EG, religious songs, gal talking, ID by man, fair but fading (Bobb-MN).
- 5955 BRAZIL R. Gazeta, 0830-0845 on 8-18, amts, IDs at 0832, ballads, fair sig (Alexander-PA); 0841 on 8-14, organ mx, promos at 0843 with fgy, ID, good sig, low het (Valko).
- 5955 PERU R. Huancayo, hrd 0945-0959 on 8-31, good with prgm of cumbias and a few huaynos, frequent IDs and TCs "en Peru"; no trace of others arnd this fgy this AM (Krueger-FL).
- 5960 CANADA RCI, world nx at 2200 8-10, "Innovation Canada," IS, exc sig (Dillon-MD).
- 5960 W. GERMANY DW, in EG at 0500 9-4, IS, ID, fgy, domestic and world nx, poor (Park-HI).
- 5965 BRAZIL R. Guaba, tent. them at 0955 9-4, man talking, jingle on hr, GRN (O'Brien-NY).
- 5975 CHINA Beijing, 1328 on 8-23 in Korean, gal talking, symphony mx, "goodbye" (Park-HI).
- 5980 MEXICO XEJ, 1109-1140, excellent 8-16 with range of LA songs, frequent requests for rpts in exchange for a benderin, carte, participation in "Club de los Madrugadores," nx summary 1133, back to mx (Krueger-FL).
- 5985 BOLIVIA R. San Jose, 0920-1010 8-28, mx, IDs at half-hr and hr, fantastic sig (Plum-NJ).
- 5990 ROMANIA Bucharest, EG propaganda at 0157 on 8-15 (Levison).
- 6000 AUSTRIA Vienna, "Austria Calling" at 0127 on 8-10, ID, Austrian nx, world nx, cmtry, "Focus on Mx," into GM, very good sig (Dillon-MD); woodwinds at 0141 9-3, answering letters at 0143 8-19 (Levison); "Sports Roundup" on motor racing at 0145 8-6, good signal (Dickson); Austrian nx 0330 8-30, wx, talk on lacing wine with anti-freeze, astronomy (Bonnet-IN); in GM at 0400 on 9-1, nx and mx, ID 0429 in EG, then IS (Vadino-WA).
- 6005 ASCENSION IS. BBC WS, "Waveguide" 0435 9-4, //6175, 9510, Reloj het, poor (Park-HI).
- 6010 SOUTH AFRICA R. RSA, 0158 8-10, EG, IS, ID, Afr nx, economic rvw, "Africa Today," "Letter from South Africa," fair signal (Dillon-MD).
- 6010 USA KGLI, RS 0959-1010 9-4, ID in EG and RS, RS talk and mx, fair sig (Bobb-MN).

- 6015 NICARAGUA LV de Nicaragua, full EG ID 2215 8-23, ranchera mx, TC, promo, good sig (VanHorn-FL); EG 0130-0200 8-14, mx, loud and clear (Dickson); EG 0130-0200 8-17, talking about zealots boating along Mic-CR border river (Bowden-CA); in SP with nx, IS, ID, talk, 0208 on 8-14 (Hinnov).
- 6015 VATICAN Vatican Radio, EG 0102-0110, EG talk about Catholics in Zambia, Mother Theresa, ID as "This is Vatican Radio," IS 0109; fair signal (Dillon-MD).
- 6020 HOLLAND RN NamSvc, 0130-0200 8-16, world nx in EG, football violence (Bonnet-IN).
- 6020 MADAGASCAR RN relay, pips 1630 9-6, RN theme mx, presumed nx by gal in EG; site per M85 sked; very poor, and //9540 inaudible (Park-HI).
- 6020 USSR RM, EG at 1300-1330 8-18, call for nuclear testing moratorium (Bowden-CA).
- 6025 BOLIVIA R. Illimani, nx and cmtry 1033 8-24, ID, "LV Democratica;" poor, het (Vance-OO).
- 6035 COLOMBIA LV del Guaviare, 1032-1042 8-8, SP ID, talk, rooster crow, poor-fair (Bobb-MN).
- 6040 E.GERMANY RBI, SP ID 2345 8-29, stn info, sked, then interview; good (VanHorn-FL).
- 6045 LIBERIA VOA relay, EG world nx 2100 8-30, ID, TC, "World Rpt," fair sig (Dillon-MD).
- 6045 W.GERMANY DW, EG 0100-0130 on 8-16, report on bombing of Greenpeace ship (Bowden-CA).
- 6050 USSR RM, EG 1230-1300 on 8-23, nx on S.African police crackdowns (Bowden-CA); EG nx 1409 on 8-23, "The Soviet Way of Life," poor and //6020 (Park-HI); EG at 1433 on 8-19, "Focus on Asia," WWII in the Pacific, Afghanistan (Sharpe-CA).
- 6055 FR.GUIANA RFI-Montsineri, world and regional nx 0450 on 9-4, frequent EG and FR armts, accordian mx with IDs, fair sig (Park-HI).
- 6065 BRAZIL R. Nacl Amazonia, EZL Br. mx 0155 8-6, s/off or faded 0202, WYFR QRM (Dickson).
- 6065 USA WYFR, EG "Open Forum" prgm 0723 on 9-5, fair with RAK-6060 QRM (Park-HI).
- 6070 BULGARIA Sofia, EG at 0310 on 8-18, nx, ID, mx, "Viewpoint" prgm (Hinnov).
- 6070 CANADA CFRX-Toronto, 1936 on 8-20, pop mx, DJ, hearing aid ad, exc sig (Dickson); at 2046 on 8-18, exc with severe wx warning, bank ad (Laskowski-IN); 2110 on 8-30 with traffic rpt, racing results, CFRB ID, pop mx, fair signal (Dillon-MD).
- 6080 AUSTRALIA RA, 0900-0920 on 8-18, EG prgm to PNG, Irian Jaya, Vanuatu, Bathurst (Bowden-CA)
- 6080 GREECE VOA-Rhodes, 0155 8-8, Armenian 0200, Georgian 0215, all talk, poor (Jordan).
- 6085 W.GERMANY DW, EG at 0110-0150, interview on arms talks, Leipzig Fair, press review, ID, "Germany Today" (Dillon-MD); good 0135-0150 8-31, German lessons (Bonnet-IN).
- 6090 LUXEMBOURG R. Luxembourg, Tina Turner, Kool and the Gang 2100 9-9, GM ID 2100, good sig (Alcorn-NJ); EG nx at 2300 on 9-3 (Levison); EG shampoo ad 2352 8-26, address, Billy Ocean song (Hinnov); Top 40 format at 0030 8-20, phone-in contest, more mx (Van Horn-FL).
- 6095 PORTUGAL Lisbon, mx at 0155 8-31, ID 0200, PT news, fair signal (Dillon-MD).
- 6100 CUBA Havana, EG nx 0230 on 8-11, Cuban mx, local quality signal (Dickson); also in EG at 0530-0545 on 8-23, Havana conf on tourism, reps from SA attending (Bowden-CA).
- 6100 NEW ZEALAND RNZ, hrd 1045-1200 on 8-21, man with EZL mx prgm, ID, poor in static and woodpecker QRM (Bobb-MN).
- 6105 MEXICO Su Pantera hrd 1155-1210 on 8-10, commercial message by man, panther growl, talk by man, ID, mx, good signal (Trotto-FL).
- 6110 MALTA R. Mediterranean, EG at 2050 on 9-9 with popular gospel mx, "message" available on tape; very good signal (Alcorn-NJ).
- 6115 COLOMBIA LV del Llano, TCs, IDs 0840 7-26, full ID 0902, good but QRM (Vance-OO).
- 6115 MEXICO XEJDS, R. Universidad de Sonora, gal with s/on armt at *1400 on 9-12, fair signal, still hrd at arnd 1800 (Wilkins-OO).
- 6120 CANADA BBC WS relay, 0000 8-30 with ID, TC, world nx, "Nx Abt Britain" (Dillon-MD).
- 6120 NICARAGUA R. Zinica, lively LA mx 1116 8-16, nice ID by man at 1123, more continuous LA mx, quite upbeat until formal ID at 1130; poor overall (D'Angelo-PA).
- 6125 SPAIN Madrid, EG 0500-0530 8-23 with defections from W. to E. Germany (Bowden-CA).
- 6127.6 INDONESIA RRI-Nabire, no ID but Nabire listed here; hrd on 9-12 at 1400* with tail-end of s/off with "Love Ambon" (Wilkins-OO).
- 6130 ECUADOR RCJB, poor at 0726 on 8-17 with EG DXPL live phone-in prgm (Park-HI).
- 6135 BRAZIL R. Gaucha, 0907-0918 8-18, nice pop PT mx, ID, back to up-tempo mx; fading at an 0940 check, otherwise very good and in the clear (Valko).
- 6135 TAHITI Papeete, fairly clear 0628 8-26 w/Tina Turner, Geo.Harrison, //11825 (Nikolich-II).
- 6135.4 BOLIVIA R. Santa Cruz, 1014-1055 8-29, educ. prgm, MAW hosts, mx fills, no IDs; hrd several clear IDs 8-31 during quenas and harpe; down from old 6137 (Krueger-FL).
- 6140 AUSTRALIA ABC-Perth, cricket talk 0925 8-16, pops, city rpt 0950, ABC nx 1000 (Vance-OO).
- 6140 CANADA RCI, poor in EG at 0648 on 9-6, nx, wx, sports, Tahiti QRM (Park-HI).
- 6145 NETE. ANTILLES TWR-Bonaire, NP at *0730 8-28 in PT, IS, ID, nx, fair sig (Trotto-FL).
- 6150 AUSTRALIA ABC-Melbourne, talk abt entertainment 0925 7-31, call-in poll, poor (Vance-OO).
- 6150 COSTA RICA R. Impacto, LA ballads at 0145 8-28, many IDs, good signal (Cole-OO); an hr of nx at 0304 9-4, correspondents' rpts, recorded mag from Nic Cardinal (Wilkins-OO).
- 6155 AUSTRIA Vienna, G* 0500 8-10, IS, tri-lingual ID, fgy, nx, fair signal (Trotto-FL).
- 6155 JAPAN FEN, fair at 0845 with "The Swinging Yrs," PSAs, ID, TC, AP nx, 8-24 (Park-HI).
- 6155 ANTIGUA BBC, SP nx at 0403 on 9-4, TC, correspondents' rpts, fair, //6055 (Park-HI).
- 6175 S.KOREA Seoul, poor in CH at 1332 8-23, KBS ID, nx, Taiwan rpt, //6135 (Park-HI).
- 6175 ANTIGUA BBC WS relay, summary of the nx at 0100 on 8-10, ID, "Outlook," fair (Park-HI).
- 6175 USA WYFR, 0846 8-12, EG/SP slow-speed reading of John, promo for Bible drama; //6105, 5985 (Park-HI).
- 6195 ANTIGUA BEC 0855 8-20, bell IS, ID, world nx, VG (Bobb-MN). ++ See you in Nov; 73-



LOG REPORT

section C

6200 to 11699 kHz

Editor: Peter Drizhal, P.O. Box 663 Oxon Hill, MD 20745

ON THE WAVE:

Firstly, the Mystery Music Station was spotted this month at 9960. Your editor theorizes that the reason for their "talk silence" is simply: they enjoy their monthly UNID status in LOG C. As an IDENTIFIED station they'd be just another BBC or RM who'd have to wait their turn to appear in C's listings... On another note, CA's Lin Robertson heard what seemed to be R. Bangladesh's IS whereafter Nepali programming followed (7105 1312-1332, 8/6). The station's poor signal, however, didn't allow for a positive ID. Conflicting(?) with this log, Lin points out, is the August "LN" report that EG had been heard on 7105 from R. Nepal at 1445 (Goonetillike 6/27) implying that 7165 1145-1715 had been abandoned for 7105. Well, I suspect Lin's report is correct and the "LN" schedule was in error --one can usually count on station's IS for ID purposes. Any retorts on this logging from readers?

Now the logs...

- 6201.1T PERU LV de Huamanga, Ayacocho 2338-0010 SP, poss.the one, fr, via USB to escape Nicar. Bible qts into Latin Mass w/some SP voice-overs. Noted since w/similar format, up to 6201.2 (Krueger 8/27)
- 6281 PERU R.Huancabamba 2355-0034 SP, tx by YL,OM ancrs, sev.TCs, ID's, mx under tx, tough due to CW QRM (Valkeo 8/18)
- 6348 S.KOREA R.Echo of Hope 0900 KR, "Arirang" IS, temple bell struck 3x, ID, mx, fqcs (Park-HI 8/22)
- 6548.5T LEBANON R.VoLeb. 2310-2400 AR, no ID heard, fair, nx, mx, drama (Hill-MA 8/19)
- 6556v CLAND. R.Venceremos 0026-0121* SP, freq IDs, mx, cmtry, s/off w/ID and I think Mex. addr (Plum-NJ 8/11) 0045-0105 SP, tx, LA mx, fair but //3630.6 very weak (Alexander-PA 8/18)
- 6666v CLAND. LV de Alpha 66 *0059-0129* SP, 10-note IS rptd 5x, musical fanfare, OM w/ID, disc. abt Cuba, Cent. Am. 0128: march mx ID, fqcy subject to drift --intentionally? (D'Angelo PA 8/5; also Plum-NJ 8/8, Alexander-PA 8/17)
- 6845.2 PERU UNID "feeder" 0312-0356* USB mode, SP, M w/Peruvian soccer match, but unable to copy any location or teams involved. Very weak and rapidly warbling (abt 50 Hz) xmrtr, abrtly off. Not heard since (Krueger 8/15)
- 6909.9 IRELAND R.Dublin 0015-0030 EG, IDs, pop mx, TC, DJ tx, interviews, pr in static (Alexander-PA 8/17)
- 7010.1T PERU R.Frecuencia Siete, Rosario, Celedin 0150-0325 SP, noted vy weak in checks in this period; msly romanticas, no ID poss due to level (Krueger 8/18)
- 7078.6 CLAND. R.Antorcha Martiana 0108-0131* SP M w/tx, short mx breaks betw. tx, ID (Alexander-PA 8/17)
- 7080 CLAND. R. Antonio Martiana (Is this the same as the previous? And if so, who's got the correct ID? --ed.) 0107 SP, pr, w/anti-Castro tx, ID (Rigas-IL 8/22)
- 7105 SRI LANKA VoA relay via Colombo, S.L. 0030-0230 Hindi,Pashto, Dari langs, misc tx; fr 8/7; some QRM 8/8 (Jordan 8/7,8/8)
- 7105T BANGLADESH R.Ban. 1312-1332 Nepali,IS then ancmnt by YL , into sub-cont. mx. Wiped out by 1332. Jives w/RB-Nepali sched. Same hd agn 8/7. Nepal hunters beware(?) (See "ON THE WAVE" at top --ed.) Checked supposed Nepal 7165, nothing there. Haven't heard this one again since these 2 consec.days. xmsn too poor for post.ID. Pretty sure was RB IS, tho it's been a few years since I heard it (Robertson-CA 8/6)
- 7155 PORTUGAL R.Por. 2028 EG,flk mx, ID,nx 2032 (Thunberg-PA 8/26)
- 7175 SICILY RAI-Caltanissetta 0512 IT, pop IT mx, ancmnt to nx at 0530, SIO 232 (Van Horn-FL 8/24)

- 7200 SOMALIA R.Mogadishu *0300- lang? IDs, nx at 0330, local mx used as bridge throughout pgm. Hd only 8/23. VOA is now on this frequency (Nikolich-IL 8/23)
- 7225 TUNISIA RTu. 2323-2327* AR recit. M w/tx; f (Bobb-MN 8/27)
- 7265 W.GERMANY SWF-Rohndorf 0440 (1 hr. carried by "DW" daily, I believe --ed.) GM, disco mx, ID, ancmts (Van Horn-FL 8/24)
- 7275 ITALY RAI 0428-0440* EG, nx, ID, fr; RFI QRM (Trotto-FL 8/20)
- 7295 SWAZILAND TWR 0430 EG, W w/ID, meterhands, pgm line-up, all in RSA time, "Bread of Life" pgm //5055 (Park-HI 9/4)
- 7355 USA-ALASKA KNLS 1730 EG, "Chariots of Fire" theme, ID; "The Swinging Years with Chuck Cecil" (Park-HI 9/6)
- 7395 GREECE VoG GK/EG at 0130, GK ID and EG ID, nx (Ninnov 8/27)
- 7415 USA-PIRATE KROK 2347-0021* EG test b-cast w/2nd antenna, rk oldies, g-vg sig, got better when they switched to new antenna; Moorhead adr. (McLemore-FL 8/27)
- 7425 USA-PIRATE VoLarygitis 0203 EG Parody on R. Marti (Feeley 8/12)
- 7429 PIRATE KEBI R.(?) 0157-0213* rk mx; OM tx abt Plutonians and Archadians at war, unclear ID, Battlecreek adr (Plum-NJ 8/17)
- 7430 USA-PIRATE KKMO 0221-0330 EG "Friday Night Oldies Show" w/Mr. Stud, rpts to ACE, g sig w/QRN (McLemore-FL 8/10)
- 7435 USA-PIRATE R. NCI 0041 EG Skits and cmtry by Cpt. Willy; Moorehead adr for repts (Feeley 8/5)
- 7435 USA-PIRATE KBBR 0102-0133 EG, Irish folk mx and novelty tunes, Battle Creek adr, g sig w/QRN (McLemore-FL 8/10) 0235-0237* caught s/off anmt, B.Cr. adr, "the mothership" returning at 0600, "Now our s/off and g-bye from KBBR R, Empire State(?)." (Empire State's New York... --ed, pointing out the obvious) Two similar logs in A*C*E Vol.4, No.5, only on 6904.9 kHz. No luck at retune 0600 on eith.fqcy here (Krueger 8/18)
- 7436 USA-PIRATE Zeppelin R.Wldwide 0135; g w/oldies rock but disap. at 0142 (Rigas-IL 8/30)
- 7435 USA-PIRATE 74-WKUE 0218-0244* rk mx w/Laughing Bill (Plum 8/17)
- 7440 USA-PIRATE Zep. R.W-wide, top-40, oldies; g (McLemore-FL 9/9)
- 7440v USA-PIRATE KBBR 0104-0156 EG msly rk (McLemore, Alexander 8/17)
- 7440.7 PIRATE UNID 0134-0211* C&W oldie, banjos & bluegrass nonstop. Seemingly another pirate *0205 w/Tears For Fears' "Shout" QRMing this, then both off at same time (Krueger 8/12)
- 8125 USSR Mayak 0020-0032 lang? clasc mx, W ancr, Mayak IS at 0029; wk sig (Alexander-PA 8/11) 0135 RS? YL & OM tx. Much RTTY QRM; vy pr, tent. (O'Brien-NY 9/6)
- 8926.3v PERU R.Continente 0110-0145 SP, LA mx. Vy wk; ID 0134, unstable xmtr ±100 hz; also hd Cindi Lauper's "Girls Just Want To Have Fun." S/off noted at 0310 w/NA (Alexander-PA 8/11)
- 9420 GREECE VoG 0125- EG, GK hillbilly mx, nx, GK economics; humongous sig! (Dickson 8/5)
- 9465 PAKISTAN RPak. 1700-1735 EG, nx, cmtry, wk, //11810 (Hill 8/25)
- 9485 PERU R.Tacna 0535-0600* SP, variety of mx w/ancmts by OM, ID & s/off anmts at 0559; //6563 which was worse; good here; off w/out NA (Valko 8/18)
- 9505.1 PERU R.Tacna 0403-0510 xlnt, // fr6564.3 w/recent US/UK T40; at 0500 into msly istr dance mx. Noted agn on 8/18, only on alt. 9485.9 //6564v (Krueger 8/15)
- 9515 MALAYSIA RTM 1305 ML, Qu'ran recit, interpr, then more recit. (QRM jammer 9520 & locally) (Park-HI 8/23)
- 9515 MALTA IBRA R. 2112 EG w/rel.pgm,mx,ID,adr(Stn.F) (Hinnov 8/5)
- 9519.8 PERU R.La Crónica, Lima 0345-0412 slick pgm of tropc.voc,fmt TC/IDs, nx sumry 0400. Suprised to hear this one again. Audb. earlier, b/usu in RFE/RL mess then (Krueger 8/13+)
- 9520 HUNGARY R.Bu. 0200- EG, nx, orch.mx; good (Dickson 8/9)
- 9535 CHINA R.Bei. 1208 nx in EG (Levison 9/3)
- 9540 VENEZUELA R.Nacional 1108-1121 SP, ID,tx,LA mx (D'Angelo 8/16)
- 9550 CUBA RHC 1215-1300 SP, LA nx,IDs,EZL LA mx; fr (Jordan 9/2)
- 9550 CHINA R.Bei. 1300-1330 (8/17) 1400-1430 (8/24) EG, nx of CH earthquake; SAFr. condemnation of Botha's speech (Bowden-CA)
- 9555 USA-ALASKA KNLS 0715 EG "Chuck Cecil's The Swinging Years" ex-11850; tent S85 sked showed 9685 (Park-HI 9/5)
- 9565 PORTUGAL R.Lisbon 0230-0301* PT, varied mx, ID (Bobb-MN 8/18)
- 9575 ITALY RAI 0100 EG, nx, xlnt (Dickson 8/20) 0105 EG int'l nx, adr, more nx, EZL mx,SIO 444 (Van Horn-FL 9/3) 2230 IT, bird IS, bells, sked and nx (Hinnov 8/5)

- 9575 JAPAN RJ *1145-1153 CH, IS, ID in JP & EG;tx,p (Trotto-FL 8/28)
- 9580RF PERU R.Concordia, Arequipa 1625-1702 SP, fr on paaks w/prmtv huayno vocals. 1629 M w/ments of Arequipa, anoth.song, then "11 y 40 minutos en R Concordia." R Nor Peruana 9654.7 in at this time at equal level. Weak carriers on 9531.2 and 9650.1 too. (Krueger 8/18)
- 9610 AUSTRALIA VLV 9, Perth 1400-1430 EG Regional and local nx. Credit card svces off'd to W.Ausy customers (Bowden 8/21)
- 9615 S.AFRICA RSA 0200-0230 EG "Africa Today," tx o/Constitution, domestic policies, labor unrest, ID (Bonnet 8/29, Hinnov 8/20)
- 9620 YUGOSLAVIA RY 2118-2128* EG, tx: tourist attractions (D'Angelo PA 8/8) 2300-2305 SP IS, nx (Nagel-PA 9/2)
- 9635 AUSTRIA Aus. R. 0453-0455 EG, New frequencies to go into effect Sept 1; ID, IS, fr sig, QRM 9630 (Trotto-FL 8/27)
- 9650 NETH.ANT. RN 1104 EG, "The Friday Rep't": disc.of incest and child sexual abuse //6020 (Park-HI 8/30)
- 9650 ANTIGUA DW 0930-1000 EG, Domestic and world news; "Saturday Panorama" (Park-HI 9/7, also Bowden-CA 8/17)
- 9660 USA R.Marti 2335-0000 SP, EZL SP mx px, ID, f-g (Bobb-MN 8/31)
- 9684T TANZANIA Rta. 0420-0427* EG, tx, chorus mx; (poss.ID?); SIO 232 (Van Horn-FL 9/3)
- 9690 ARGENTINA RAE 0100 EG, ancr Roger Atwood! nx, tango mx, Arg. for.debt; terrorist arrested; hvy QRM (Dickson 8/26, Hinnov 8/17)
- 9700 BULGARIA R.Sofia 2302 EG, nx, g (Nagel-PA 9/2) 0002 Bulgarian music (Levison 9/1)
- 9715 NETH.ANT. RN 0750 EG, "Media Network: Back to the Beginning," an intro pgm to SWling (Park-HI 8/29) 2100-2124* "Wednesday Rep't," "Images," "Dutch by Radio." (Dillon 8/6, Bonnet 8/28)
- 9734.5 PARAGUAY R.Nac. de Paraguay 0015-0035 SP, LA ballads, tx at 0030, Opera at 0118 tune-by (Alexander-PA 8/18)
- 9740 CUBA RHC 0303 EG, RSA and wld nx (40% of nx devoted to apartheid, "Cuban Profile" (Park-HI 8/22) 0530 EG "World of Stamps," g (Nagel-PA 9/2)
- 9747.9 TAHITI R.Tah. 0635-0859* Noted off fqcy; US pop mx; hd //6135.4 audible by s/off, and 11825.8 fdg out by s/off (Alexander 8/25)
- 9750 S.KOREA RK, Seoul 1400-1430 EG, Report abt S.K. and N.Kor. tkg part in UN activities (Bowden 8/18)
- 9750 TAHITI RFO 0600-0615 FR, nx //15170; poor (Hill-MA 8/12)
- 9755 CANADA RCI 0300 EG, nx & "SWLers Digest," quite strong today but off the air on 8/19 (!) (Park-HI 8/12)
- 9760 PHILIPPINES VoA 1230 EG, Live coverage of "Discovery" space launch (but missed the postponement) (Park-HI 8/24)
- 9765 EGYPT R.Cairo 0210-0225 EG, nx pgm, Israeli raids in Lebanon, clashes betw. Druses & Shiites; 0225 mx; poor (Jordan 8/30)
- 9765 N.KOREA RPyo. 0900-0930 EG, military excises in SK (Bowden 8/24)
- 9790 ALBANIA R.Tirana *0100-0110 PT, IS, ID, nx; g sig (Trotto-FL 8/10)
- 9820 SIBERIA R.Tikhiv Okean 1839 RS/EG, tx, mx itvw, sev.IDs; EG cmtry "V of the RTO" 1854 //9795,7335 (Park-HI 8/10)
- 9840 KUWAIT R.Ku. 2046-2115 AR, AR mx, ID 2100, wld nx, live concert, vg (Dillon-MD 8/8)
- 9865 SIBERIA RMWS 1306 EG, Wld nx; "News & Views" (Park-HI 8/23)
- 9885 SWITZERLAND SRI 2100-2130 EG, wld nx, ID, "Dateline," SW Merry-go-round, accordion mx, into SP; f-g (Dillon 8/10; Dickson 8/20)
- 9905 QATAR QBS 2100-2126* AR, Arabic mx, ID, nx, mx; fr (Trotto-FL 8/26)
- 9915 ENGLAND BBCWS 2358-0002 EG, mx, bells, TPs, TC, ID, ancmt o/BBC 24 hr strike, then bak to mx; good (Dillon-MD 8/6) 0052 EG Show tunes w/vocals (Levison 8/16)
- 9960 UNID. "Mystery Mx Stn." 0005-0030 More of that moody mx; g (Bobb-MN 8/18) 0043- (Levison 8/13) 0117- SP and EG voc.selxns (Roling Stones, etc.) No tx as usu.; vg sig (Gavaras 9/15)
- 9980 JAPAN RJ 1210 EG, nx (Alcorn-NJ 9/3)
- 11000 CHINA CPBS TAIWAN II 0833 CH, opera mx; p (Park-HI 9/2)
- 11605NF ISRAEL KOL I. 1920-1930+ EG, "Generation to Generation" w/histr. review o/Jewish life under King Herod in Roman times (Jordan 8/19)
- 11620 INDIA AIR 1916 EG, tx o/arms control, ID, mx (Vadino-WA 8/11)
- 11645 GREECE VoG 1920-1930 EG, nx f to gd (Nagel-PA 8/29)
- 11650 CHINA RB FS 1252 EG, "Listener's Letterbox" (Park-HI 9/3)
- 11675 KUWAIT RK 1830 EG, nx, ID, top-40 mx; SIO 433 (Van Horn-FL 8/19)
- 11680.8 N.KOREA PYONGYANG BS 1754-1759* KR, Tx, ID, NA; fr (Park-HI 8/25)

**No repeats from last month, but still many "new" logs could not be fit in. Patience please.

Good-bye, Peter



LOG REPORT

section D

11700 and above

Editor: Wallace C. Trobel, 387 N.E. 148 St, Seattle, WA 98165

- 11700 VATICAN STATE VR in EG 2020, prayers, interview (Levison PA 9/1)
- 11700 FRANCE RFI in FR 0610, ID, "Journal International", QRM jammer, p (Park HI 9/4)
- 11705 GABON RFI Moyabi relay in EG *1600, "Paris Calling Africa" (Thunberg PA 9/4)
- 11720 AUSTRALIA RA in EG 0728-0747, IS, fqys, TC, px on inventors, f (Bobb MN 8/21)
- also in EG 0900-0920 w/nx re NZ Prime Minister to seek substantial remuneration from France for bombing of Green Peace vessel at Auckland (Bowden CA 8/19)
- 11720 BULGARIA R. Sofia in EG 2320-2359, tlk abt peace-solidarity, g (Dickson OH 8/25)
- 11740 NETHERLANDS RN in EG 2100-2125, "Images", ID, "Dutch by Radio" (Dillon MD 8/20)
- 11755t IRAQ R. Baghdad in AR 0045-0105+, prayer chants, mideast mx featuring many chants with flute, mournful vocals, took several attempts to log, vp (Jordan PA 6/28)
- ED: This must be a new fqy. 11755 not listed in WRTH or RDI.
- 11755 CHINA R. Beijing in EG 0155-0200*, ID, electronic tone on hr, p (Jordan PA 8/24)
- also in EG 0855 with "China Anthology" on WW II, "Music Album" (Park HI 8/25)
- 11760 AUSTRALIA RA in CH 1015-1025, ID, long talk, QRM, f-p (Trotto FL 8/11)
- 11770 USSR RM Khabarovsk in EG 0608, nx, "Moscow Mailbag", //11780 (Park HI 8/26)
- 11775 ANTIGUA BBC relay in EG 1145-1230, tlks, Radio Newsreel, mx, g (Bonnet IN 8/30)
- 11780 BRAZIL R. Nacional Amazonia in PT 0023-0100, mx, TC, tlks, ads (Bonnet IN 8/19)
- Park HI 9/4) also in PT 1845 w/promos, lots of ID's, Brazilian pops (Van Horn FL)
- 11830 NORTH KOREA R. Pyongyang in EG 0808, lengthy pro-Kim newscast, p (Park HI 8/30)
- also in EG 0920-0950 w/excellent Korean mx pgm, station anmmts (Bowden CA 8/18)
- 11855v BRAZIL R. Aparecida in PT 0100-0130+, laid-back tlks, ID, mx, f (Jordan PA 8/22)
- 11900 SOUTH AFRICA RSA in SH 1557, IS, NA, 5 pips & anmmt, nx, p (Park HI 8/11)
- 11925 PHILIPPINES VOA relay in KR 2145, rpt on Iran-Iraq war, p (Park HI 8/19)
- 11938 KAMPUCHEA V of the People in EG 1206, nx, separated from station on 11940 by using ECSS/LSB and 1.2 khz filter plus audio filter. Surprisingly clear after all the peaking and tweaking (Nikolich IL 8/26) ED: Very nice catch, Mike.
- 12030 USSR RM Petropavlovsk in JP 1136, tlks on Japan, p (Park HI 8/29)
- 12050 EGYPT R. Cairo in AR 1616, chants (Levison PA 9/2) also in AR 2045-2115 w/AR orchestral mx, ID, poetry, pips, TC, world nx, g (Dillon MD 8/7)
- 12050 USSR RM Khabarovsk in EG 2108, nx, "The Soviet Way of Life", p (Park HI 8/29)
- 13660 USSR RM in EG 1241, nx (Levison PA 8/12) in FR 1740, pol tlk (Park HI 9/3)
- 13665 USSR RM via Krasnodar in EG 1843, "Moscow Mailbag", //12050, 13705, p (Park HI) also in EG 1242 with propaganda and mx (Levison PA 8/17)
- 13680 USSR RM in EG 1255, propaganda (Levison 8/12) ED: RDI lists Leningrad as site.
- 13705 USSR RM in EG 1240, propaganda & mx (Levison 6/17) ED: RDI lists Nikolayev site.
- 13797 ICELAND Reyjavik in Icelandic 1250-1348*, nx, tlk, ID (Trotto 8/18, Levison 8/20)
- 15070 UNITED KINGDOM BBC IN EG, show tunes (Levison PA 8/18)
- 15084 IRAN VOIRI in AR 1755-1825, speech, instr mx, anmmts, rousing martial mx, exuberant chorus, drums & flute, ID, nx w/dramatic mx intro, jammers (Jordan PA 8/15)
- 15105t MOROCCO RTVM in AR 2130-2200+, tlks, mid-east mx, wails & chants, prayers, weak sig under DW best in PT, required several days monitoring (Jordan PA 8/26)
- 15120 CHINA R. Beijing in SP, 0120, tlk on trade relations, sports nx (McLemore FL 9/6)
- 15125 CUBA RHC in AR 1710-1730*, tlks and varied mx, IS, ID, NA, f (Bobb MN 8/23)
- 15135 MARIANAS IS. KFBS Saipan in VT 2326, relig pgm, ID, p (Park HI, 8/16) ED: Is this a new fqy for KFBS? Not listed here in WRTH or RDI.
- 15150 NEW ZEALAND RNZ in EG 1934 (Park HI) 0150 (McLemore FL) 0340 (Bonnet IN) wx, nx, sports, bellbird IS, interviews, vocals, instrumentals, National Program relay.
- 15170 TAHITI Papeete in FR/TT 0225-0304, pop mx, comedy show, reggae and island mx, ID, //11825, g with some fading (D'Angelo PA 8/11) quiet reception (Dickson OH 8/4)
- 15180 USSR R. Kiev in EG 0215-0228, "Ukraine Today", nx, tlks, exc (Dickson OH 8/28)
- 15195 JAPAN RJ in EG 0203-0240, nx headlines, tlks, "Our Heritage", ID's, p (Jordan PA)
- 15200 GABON Africa No.1 in FR/EG 1451-1525, pop mx, ID, nx in both langs (D'Angelo PA)
- 15210 WEST GERMANY DW in GM 2046, sports rpt, bcst of track meet, p (Park HI 8/25)
- 15240 SWEDEN RSI in EG 1850-1900*, "Sweden Calling DX'ers", ID, mx, f (Trotto FL 8/20)
- 15245 USSR RM via Petropavlovsk in EG 2230-2300, details of justice system in USSR (Bowden CA 8/22) also in EG 1306 w/nx, sports, ID, "News and Views" (Hinnov NJ)
- 15250 SRI LANKA VOA relay in EG 0155-0220, mostly nx, p (Plum NJ 8/7) ED: Good catch despite signal quality. Xmtr is only 35 kw. and half way round the world.
- 15265 GUAM KTWB in CH 2250, EG lang lesson, bible reading, //15115, p (Park HI 8/22)
- 15295 MALAYSIA V of Malaysia in AR 1530-1610, ID, Koran, pips, vg (Schulze, W. Germany)
- 15300 UNITED ARAB EMIRATES Dubai in EG 1635, nx, ID, AR ID 1640 (Hinnov NJ 8/18)
- 15310t OMAN BBC relay in EG 1400, mx, ID, "Outlook" (Hinnov NJ 8/19)
- 15320 INDIA AIR in EG 1030, ID, "Faithfully Yours", QRM Iranian jammer (Park HI 8/12)

- 15325 PHILIPPINES VOA relay in EG/RS, IS, ID, nx in RS, jammed, f-p (Park HI 8/14)
- 15325 SEYCHELLES FEBA in EG/Malayalam 1227, IS, ID, address in lang //11865 (Park HI)
- 15345 SWEDEN RSI in EG 1405-1430*, ID, pgm on rock star, nx (Trotto FL 9/5, Hinnov NJ)
- 15395 AUSTRALIA RA in EG 0100, peace tlks in Sri Lanka break down (Bowden CA 8/17)
- 15400 FINLAND RF in EG 1201, nx (Levison PA 9/3)
- 15430 MEXICO RMI in SP 0045-0100, "Musica Romantica", exc, ID's (Dickson OH 8/12)
- 15475 GABON Africa No. 1 in FR 2250-2301*, soul, disco, & FR mx, p (Park HI 8/23)
- 15520 CHINA R. Beijing in EG 0112, tlk on satellite commun, sports, anti-Soviet prop-
aganda (Dickson OH 8/5) in CH 0200-0215, ID, tlks, oriental mx, exc (Jordan 9/3)
- 15535 SPAIN REE in SP 1532, western mx (Levison PA 8/13)
- 15570 USSR RM via Khabarovsk in CH 0532-0600, RS mx, folk songs, tlks, ID (Sharpe CA)
- 15575 SOUTH KOREA RK in EG 1420, traditional mx (Levison PA 8/10) also in EG 0215+,
cmntry about CH aircraft landing in So. Korea, ID, lite mx (Jordan PA 9/3)
- 15590 BELGIUM BRT in EG 0043, cmntry on death penalty (Levison PA 8/12)
- 15600 CHINA R. Beijing in CH 0415-0457, tlks interspersed with CH mx, ID (Sharpe CA)
- 15605 PAKISTAN RP in EG *1100-1115, nx at dictation speed, //17660, p (Hill MA 9/2)
- 15630 GREECE Athens in EG 1528, GR mx, //17565 (Levison PA 8/13)
- 17565 ASCENSION IS. BBC in EG 1628-1630, ID, "Arts in Africa", p (Trotto FL 8/9)
- 17605 NETHERLANDS ANTILLES RN relay Bonaire in SP 0000-0013, mx, show tunes, "Radio
Enlace" (Dickson OH 8/23, Park HI 8/24) in EG 1900, mailbag (Levison PA 8/17)
- 17620 FRANCE RFI in EG 1605-1615, world & African nx, ID, pop mx, f (Trotto FL 8/27)
- 17650 CHINA R. Beijing in SP 0218, fast flute mx, ID, tlks, classical mx (Park HI)
- 17660 PAKISTAN RP in EG *1100-1115, nx at slow speed, //15605, f (Hill MA 9/2)
in Urdu/EG 1524-1615, mx and tlk, ID in EG, nx at slow speed (D'Angelo PA 9/2)
- 17705 UNITED KINGDOM BBC in EG 1705, world nx, ID, pgm on Ireland, p (Trotto FL 8/9)
- 17705 LIBERIA VOA relay Monrovia in FR *1830-1840, IS, ID, nx, f (Trotto FL 8/20)
- 17710 ISRAEL Kol Israel in RS 1755-1805, tlk, ID 1800, nx, f (Trotto FL 8/20)
- 17720 USSR RM Far East in RS 2216, 8-note organ IS, ID "Govorit Radiostansiya Rodina"
preview and nx, f (Park HI 8/22)
- 17725 AUSTRALIA RA in EG 2332, Australian nx, heavy QRM, p (Park HI 9/5)
- 17745 ALGERIA RTA in EG 2000-2030, intl nx, US rock mx, ID, fqys, nx, into SP 2030
(Van Horn FL 9/4, Jordan PA 9/1, Plum NJ 8/10) ED: Apparently RTA is on the air
daily from 0600-2400 with only the 2000-2100 slot devoted to EG/SP. Rest is AR.
- 17755 JAPAN RJ in EG 2307, Asian nx, "Current Affairs", f (Park HI 8/23) also in EG
0300-0330, world nx, cmntry on atomic bomb, mx, nx brief (Sharpe CA 8/23)
- 17775 CHINA R. Beijing in SP 2315, ID, rpt on economic tlks with Spain (Park HI 9/5)
- 17790 ECUADOR HCJB in EG 2131, "DX Party Line" (Levison PA 8/12)
- 17795 FRANCE RFI in EG 0045-0105, variety mx, into FR at 0059 (Dickson OH 8/18)
- 17795 CUBA RHC in SP 1818, mx w/vocals (Levison 8/12) also in SP 0120, tlk by Fidel
Castro, nx re Nicaragua (Dickson OH 8/13)
- 17820 CANADA RCI in EG 0110, nx & cmntry re African econ problems (Dickson OH 8/13)
- 17825 SYRIA R. Damascus in EG 2020, mx, nx, cmntry (Levison PA 8/25)
- 17840 NORWAY RNI in NO 1455-1510, IS, ID, tlks, f (Trotto FL 8/20)
- 17860 USSR RM (Far Eastern outlet) in EG 0530, nx, "Culture & the Arts" (Park HI 8/22)
- 17865 PHILIPPINES VOA relay in RS 0758, mx from "Switched-On Bach", TS, TC, nx (Park)
- 17870 LIBERIA VOA relay Monrovia in EG 2030, nx of Africa, ID, sports (Van Horn FL)
- 17875 SEYCHELLES FEBA in lang 0130, Sinhala s/off w/"Lullaby & Goodnight" theme song
synthesizer mx and Tamil pgm, QRM, p (Park HI 9/4)
- 21485 MADAGASCAR R. Nederlands relay in EG 0912, "Shortwave Feedback", p (Park 9/7)
- 21670 PHILIPPINES AFRTS relay in EG 0530, ABC nx, AFRTS program notes, p (Park 8/27)

There was a significant dropoff in loggings received this month perhaps reflecting the continued lowering of the sun spot number. Many of those received were repeats of items included in the September issue so were not reported above. It is suggested also that members do not send in reports on Stateside stations (VOA, WYFR etc.) unless there is some change in frequency, schedule, or other significant fact to report. In such case, it will be helpful to stress the significant change. Of the 613 loggings reported in the September issue, 92 were provided by one member and that total does not include the loggings not printed. The Log Report sections will be more interesting and informative if members strive to report their best DX with pertinent details rather than use the bandscan method of reporting. Thanks to all who checked in this month and good DX'ing.



FRENDX LOG REPORTERS

Distributing Editor: John F. Henuah, 85 Lincoln St., Abington, MA 02351

FRENDX LOG REPORTERS -- OCTOBER 1985

DEADLINE -- 12th of the Month

Sam ALCORN, Maplewood, NJ. (DX200/ICF6500W); Brian ALEXANDER, Mechanicsburg, PA. Norman BOBB, Minneapolis, MN. (R1000); Arthur BONNET, W.Lafayette, IN. (DX400); Ralph BOWDEN, Mentone, CA. (FRG7700); J. COLL, Denver, CO.; Richard D'Angelo, Wyomissing, Pa. (R70); Richard DICKSON, Goshen, PA. (FRG9800/DX302/XCR30); Peter DILLON, Columbia, MD. (DX400); Jim FEELEY, Norcross, Ga. (R2000); Tom GAVARAS, Minnetonka, MN. (R70); Ken HILL, Somerville, MA. (DX1000); Erik HINNOV, Bridgewater NJ., (DX66/DX302); Rufus JORDAN, Pittsburgh, PA. (DX302/Zenith Transoceanic); Terry KRUEGER, Largo, FL. (R70/ICF2001); Tom Laskowski, South Bend, IN. (ICF2001); Harold LEVISON, Philadelphia, PA. (R70); Travis McLEMORE, Clearwater, FL. (FRG7); Mike NIKOLICH, Chicago, IL. (NRD515/SPR4/CR2021); Andrew O'BRIEN, Chantilly, VA., (R2000); Dale PARK, Honolulu, HI. (ICF6700W); Sheryl PASZKIEWICZ, Manitowoc, WI. (NRD515); Bill PLUM, Flemington, NJ. (FRG7700); Christos RIGAS, Chicago, IL., (R2000/ICF2002); Lin ROBERTSON, San Diego, CA. (R70); Roland SCHULZE, Stuttgart, W.Germany, (R4C/SPR4/R70); Bryan SHARPE, Castro Valley, CA. (DX302/DX400); Bob THUNBERG, DuBois, PA. (R1000/CR2021); Ron TROTTO, St. Cloud, FL. (CR2021); George VADINO, Bellevue, Wa. (R71A); Dave VALKO, Donlo, PA. (R388/FRG7); Robert J. VANCE, Colorado Springs, CO. (FRG-7); Gayle Van Horn, Orange Park, FL.;

There we have it for another month my friends, 33 Contributors for those who keep track of the monthly totals on this page hi.

Since I have some extra room on the page this month, I would like to address a few questions posed by members during the last couple of months.

Some have questioned me as to why their names do not appear on this page, it seems they send their contributions directly to the Log Editors of the various Sections. Under those conditions, I have no way of knowing who has submitted what to any of the Editors, and the Editors certainly have enough work each month to preclude their sending me a list of those who contribute directly. It is my suggestion, for what its worth, that the Contributors simply drop me a note, with the info. required for listing on this page, telling me what Columns they have contributed to for the current month. I will be more than happy to include those folks in the monthly Contributors Page.

To those members who would like to include a personalized Pennant along with their reception reports to the various Short Wave Broadcast Stations, may I suggest that you contact Mr. William Plum (NASWA Member) at RD 8 Glenn Road, Flemington, NJ. 08822. Bill has a great selection of Pennants and other hobby related printed matter, which he will Custom Print to your specifications. Please be sure to enclose either a Mint Stamp or SASE when corresponding to Mr. Plum. Your editor can attest to the quality of Mr. Plums work and to the nice comments received back from the SWBC Stations that have been recipients of these Pennants.

That's all from here for this month. Please keep those loggings coming, the DX season seems to be improving somewhat and hopefully the amount of loggings will increase accordingly.

*Post # 736
John*

THE 515 CLUB

An association of JRC NRD-515 owners.
857 Virginia Ct., Sonoma, CA 95476

ISSUE 1

INTRODUCING THE 515 CLUB NEWSLETTER

GETTING STARTED. When Fred Osterman told me that there was no 515 newsletter, I volunteered to use my best efforts to start one.

PURPOSE. To provide a meeting place where 515 owners can compare notes on the programs and stations they listen to, their receivers and added equipment, problems solved and questions still unanswered and anything else that's on their minds relative to SW radio and all its branches.

PROCEDURE. As the flyer stated, "If you would enjoy communicating with other 515 owners, please send a #10 SASE to..." That got us started. Now we must receive both the SASE and a letter about yourself and your interests. See below for details. We're supplying a few envelopes this time. Hereafter no #10 SASE, no newsletter.

FINANCES. Because I enjoy our hobby so much, I am donating the masthead, word processing, copying and a lot of my own time, but no stamps and envelopes. Fred is donating the copying, stamps and envelopes this time only (except for those who sent theirs in), because we want to reach his entire private mailing list again with a full explanation of THE CLUB and an introductory issue of the newsletter. If you like the whole idea and sign up in sufficient numbers to justify the effort, I will pay the cost of another issue and suggest a small charge of \$1.00 per issue thereafter, same to be sent along with envelope and letter. Fair enough? This amount should cover expenses.

A COOPERATIVE EFFORT. That's what the flyer said and this is how it will work. A great many of the replies received so far have been newsy, factual and complimentary letters. This is very encouraging. So are the typed letters because they are easy to read. As you can see, the excerpts cover an interesting range of subjects and provide the sort of material out of which will come a newsletter almost entirely written by you. My role is as copy editor, occasional commentator and coordinator.

HOW TO JOIN THE 515 CLUB. Just send a #10 SASE along with a letter as described above and you are a member. When you have done this, you will be helping prepare the next issue of your newsletter. Present members are asked to send in more information, comments and questions etc., and to tell us why they enjoy their own particular branch of shortwave.

COMMENT. Next issue will have less explanation and more news, but it seemed wise to spell it all out the first time.

Not affiliated with any dealer or manufacturer.

WHAT OUR MEMBERS SAY:

Do you consider the 518 Memory Unit to be a practical addition for use with the 515? I now have a 515 Frequency Controller?

I have a 515 with these JRC accessories; CFL 230 and 260 Filters, 518 Memory Unit, 515 Frequency Controller, 515 Speaker and ST3 Headphones. I've got the Memory Unit set for several AM stations and almost all the WRNO frequencies.

But are you really interested in us? We are all East Coast!

No we're not. Some of us live across the river and over the mountains. rmo.

I own two 515s and have been very happy with them for the most part. (The writer adds his own ham call sign.)

Right now I'm just using the 515 for general receiving, but what a receiver!

I think you have a tremendous idea and you can count on me to participate in any way I can.

I've been through the whole antenna scene from long wires and trapped dipoles, and now due to residential restrictions on antennas, I have to resort to active antennas like my Dymeck DA100D and an active KRS.

This is a situation many SWLs face. A good contribution. rmo.

I own a 515 with 1.8 and .6 Filters.

Sure I'd be interested. I have three friends with 515s.

Send them copies of the NL and sign them up. rmo.

I would be interested in communicating with other members and sharing hints, problems, etc.

This NL is an open forum for all views from all members. rmo.

If you need any help with the NL, let me know.

You will hear from me. rmo.

I have a JVC KD-WR90 auto reverse cassette recorder hooked up to my 515. This enables you to record up to four hours (two C-120 cassettes) maximum, or in any combination. One thing I like about the 515 is that you don't have to watch the volume, the set does it for you.

Would like to go into other areas, RITTY and so forth, as time and money permit.

I have a complete log of every station I've listened to since 9/67. In the two weeks I've had my 515, I've listened to ten stations I haven't heard for years.

I'm always wondering what kind of people own the 515? I think of it like owning a Corvette, only the best will do.

I've had my 515 for two years now and consider it the "cream of the crop." Having a 518 Memory Unit and a 515 Frequency Controller certainly adds to my enjoyment.

Hope you have good luck in getting the NL started.

You will have noted that no names or addresses were used. If that's the way you want it, just write "no name" under the signature to your letter. If name and community are agreeable, just write "name OK."

For your information, rmo = Richard M. Oddie = Dick.

THE Minnesota DX CLUB



MINNESOTA DX CLUB FUTURE MEETINGS ADVISORY

FOR IMMEDIATE RELEASE

September 15, 1985

The following are some of the future meeting dates for the Minnesota DX Club. Any publicity which you can give the MDXC will be gratefully appreciated.

- October 11, 1985 (Friday) Minnesota DX Club meeting
Rarig Center - Room 540F
University of Minnesota
7:00 PM
- October 12, 1985 (Saturday) Minnesota DX Club "DXpedition"
Northfield, Minnesota
(beginning at around 12 Noon
on October 12 and ending at
around 10 AM on October 13).
- November 8, 1985 (Friday) Minnesota DX Club meeting
Rarig Center - Room 540F
University of Minnesota
7:00 PM
- December 13, 1985 (Friday) Minnesota DX Club meeting
Home of Martin Croze
6017 Drew Avenue South
Edina
7:00 PM
(Martin Croze's telephone number:
(612) 922-1139

The Minnesota DX Club is a regional radio listening club of about 40 members. Holding monthly meetings since 1973, the MDXC meets every second Friday of the month where the member get together to talk about current radio listening news (shortwave, mediumwave (AM), utility, FM and TV), see demonstrations of new radio equipment, and to have a good time meeting others interested in the same hobby of radio listening. Membership is limited to those living in Minnesota and Western Wisconsin.

The Minnesota DX Club is a full member club of the Association of North America Radio Clubs.

The official address of the Minnesota DX Club is:

5212 Drew Avenue South
Minneapolis, Minnesota 55410

HAP BID ITEMS: ITEM #221:WBCK sticker(3.5x11")m/c.#222:ERF(Germany)sticker(5"cir)m/c-nice!
 #223:Radio Forth(Scotland)station pen,black,orange-very nice!#224:Radio Bucharest key
 chain, new colors:#225:Radio Italia sticker(4"cir)m/c.#226:Voice of Tomorrow sample QSL
 card(3x5")B&W.#227:Columbia-Shuswap Radio Network(Canada)m/c coverage map(8.5x11")m/c.
 #228:CIJOC sticker(4x6")m/c.#229:CILA-FM sticker(4x6")blue,yellow-very good looking!#230:
 Radio London-206(UK)decal(2x11.5")red,B&W.#231:CKLA-FM station razor,orange,B&W-nice!
 #232:FM-96 station pen,red,white.#233:Radio Praha(Czechoslovakia)station lapel pin,silver
 and red.#234:CKEY sticker(4x6")gold,red,white.#235:WQMB sticker(3x11")blue,white.#236:
 Caribbean Beacon QSL card(3.5x7")m/c-nice!#237:Radio Vatican First Day Cover w/ 60th
 anniversary cachet and stamp-very good looking!#238:Radio Cultura (Brasil)m/c studio
 photo card(3.5x7").#239:WBLS adjustable cloth cap,red,B&W.#240:CFOX "Fox" sticker(5"cir)
 m/c-beautiful!#241:BBC Radio Humberside cloth cap,blue,green,B&W-sharp!#242:Radio Korea
 sticker(4"cir)m/c.#243:Radio Korea sticker(2.5"cir)m/c.#244:Radio Korea "Wedding Day"
 sticker(4.5"cir)m/c.#245:Radio Korea "Wedding Day"sticker(3.5x5")m/c-nice!#246:KBS(Korea)
 cloth pennant(4.5x9")m/c-beautiful!#247:Bay City Radio(New Zealand)sticker(5"cir)gold & m/c-
 beautiful!#248:Radio Korea sample QSL card(4x6")m/c.#249:ORF(Austria)sticker in German
 (4"cir)red,B&W.#250:Radio Humberside(UK)key chain,blue,green,B&W-very nice!#251:Radio
 Forth station coaster(4x4")orange,B&W.#252:HD210A(Ecuador)decal(2.5x4")m/c.#253:Radio
 Bucharest cloth pennant(4.5x6")pink,B&W-very nice!#254:Radio Sweden cloth pennant(4x9.5")
 yellow,blue.#255:Radio Beijing large plastic litter bag,red,white.#256:NEM Radio(Germany)
 sticker(4.5x6")m/c-nice!#257:KEZK match book,tan,brown.#258:Metro Radio(UK)station pen,
 red,B&W-super!#259:Radio Cultura(Brasil)decal(2.5x3.5")m/c.#260:CHQT station booklet w/
 station data and facts.#261:Radio Milano Underground(Italy)odd shaped sticker,m/c-very
 sharp looking!#262:CKSA plastic ID card(2x3")m/c.#263:CKGY sticker(4x8.5")red,white.#264:
 Radio Bucharest cloth pennant(4.5x6.5")red,B&W.#265:Radio Bucharest cloth pennant(4.5x6.5")
 orange,red,white.#266:Voice of Turkey cloth pennant(4.5x6")m/c.#267:ROME super sticker
 (8.5x8.5")yellow,black-really super!#268:ORF sticker in Spanish(4.5x5.5")red,B&W.#269:CKPR
 sticker(4x12")red,white.#270:HEB Coastal Radio(Switzerland)sticker(5.5x5.5")blue,silver.
 #271:Radio Kelly Milano(Italy)triangular sticker,m/c-nice!#272:Radio Norway cloth flag
 (2x3")red,white,blue.#273:BBC Radio 4(UK)station poster,m/c-nice!#274:WBLS "Kiss Off"
 T-Shirt(L)tan,brown-very nice!#275:CBC-740 T-Shirt(S)blue,white.#276:AM-106 Calgary
 T-Shirt(XL)yellow,black-very good looking!#277:4XD Dunedin Radio (New Zealand)sticker
 (2x8.5")blue,white,orange.#278:Radio Caroline(New Zealand)sticker(2.5x6")m/c-super looking!
 #279:MWI(Virgin Islands)sticker(3.5x5")blue,white.#280:SWF Radio(Germany)sticker-odd
 shaped,m/c.#281:SWF Radio sticker(4x6")m/c-nice!#282:TV-Giromike(Italy)reflective sticker
 (3x5")m/c.#283:CKFM 3 different station posters(8.5x11")m/c-very nice!#284:Radio Beijing
 station pin"Waves",m/c.#285:Radio Beijing station pin "Antenna",m/c.#286:Radio Beijing
 station pin"Flower",m/c.#287:Radio Budapest station pin,blue,gold.#288:Radio Budapest key
 chain,black,silver-nice!#289:CKGY station pen,blue,brown.#290:CKLA-FM station razor,B&W,
 yellow!#291:BBC-WS(UK)metal badge(2"cir)blue,white.#292:Radio TV Romania metal badge(2"
 cir) aqua,gold-very good looking!#293:Radio Vign(Spain)match book,m/c.#294:Radio Cadena
 Espanola(Spain)metal badge(1.5"cir)black,yellow.#295:2NZ(New Zealand)sticker(3x8.5")red,
 blue,white.#296:2NZ sticker(2x9")green,B&W.#297:SDN(Australia)sticker(2x7")blue,white.
 #298:2ZG(Australia)sticker(2.5x5.5")red,white,blue.#299:Radio Palma de Mallorca(Balearic
 Islands)sticker(6x6")yellow,black-very good looking!#300:XEEXQ large "Bach" poster,blue,
 B&W.#301:4XD(New Zealand)large station poster,yellow,white,blue.#302:4XD large station
 poster"Woman and DJ in bed!"m/c-very colorful!#303:CFMX-FM large "Drummer Boy" station
 poster,m/c-very sharp!#304:Radio Vatican sticker in German(3x5")orange,B&W.

HAP DIRECT SALE ITEMS: The following stickers/decals are available for \$.25 each or any five
 (5) for \$1.00. New since last issue:Radio Hallan(large)(small),KRBC,CKPG,Signal Radio,WJCH,
 CKEC,Viking Radio,Red Rose Radio,Radio Lancashire,CFRN,CKUA,KATT,Radio RSA,Radio Populare,
 WYFR,Radio Tees,Deutsche Welle(EG),KNUI,WINK,Radio Humberside,Radio Fase,Q-93,97-rock,KZEU,
 Mercia Sound,Radio Luna,South Coast Radio,ERF-TV,CFGO,CFOR,CKLC,KACC,CFRY,CJBC,CJET,KRBE
 (rock),CJBC,CKUE,CKPR,CJRT,CJCL,CJSB,FM-108,Radio Peter Flowers,Radio Luna(DC),CKQH,CKTA,
 CKWS,CKPT,CKKW,CEHC,CKCO-TV,WPCF,WOWI(large)(small)(music),CFOS. We also have CIRK(large)
 (small),KHCB,CFNC,CBC,CKRY,6WF,W11Z,WXQR(large)(small),2ZM,KSEI,KYYX,KQUE,WYYX,KNPA(large)
 (small),FM-105,96-rocks,ANARC(large)(small),WQNR,WABD,WAAX,KROY,KEY-103,WLUP(large)(small)
 (cir.),KITS(large)(small),WAPP,KBUK,WFKB,KOA,KVPR,WCAU,KLOL(large)(small),WNOR,Q-107,KYYX,
 KGRI,KNAL,FM-99,WVIC,KORA,KWVC,KXTC,WIRJ,KLVI,KNOK,KTIM,KLOR,WPLJ(rock)(Prince)(Lewis)
 (John),KLOS(rocks)(Party Animal),KFTT,KBQB,KERY,KXYL,KTRH,KIKR,KRQR,WNBC,WLS,KCFM,HOYK
 (large)(small),WHGR,TV-20,KLVL,WBWA,K-94,102-FM,WAQY,KMJK,KFAN,KRBR,KYFS,KWED,KPKE,KRBA,
 KNIN(large)(small),WXLPL,MIV,94-FM,KSAM,KRVL,KVET,WONE,EKWB,RCI,CKEG,CFNB,CFCB(yellow)
 (blue),CJWW,CFRA,CKCK(large)(small),CKKR,CJVI(marine)(hockey)(cir.),CFAX,CKSA,CKND,CFCY
 (cir.)(large),CJAT,CKOH,CFIT,CKIK,CKNL,4XD,Radio West,4MP,2WD,Radio Medway,2CI,2YB,KAIM,
 ADDRESS: Send your bids and orders for direct sale items to Sam Barto, 47 Prospect Place,
 Bristol, CT 06010 USA.

