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NORTH AMERICAN SHORTWAVE ASSOCIATION

Volume XXXV Number 3

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RADIO



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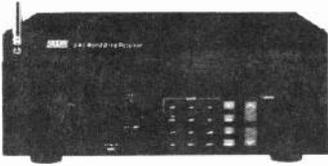
DRAKE**SW-8****SPECIFICATIONS**

Dimensions	11 5/8" x 5 25/8" x 13 1/2"
Weight	10 Lbs (13 Lbs ship)
Frequency Range	500 - 30000 kHz 87 - 108 MHz 118 - 137 MHz
AC Power	120 VAC 60 Hz adapter or 6 internal D cells
Antenna 1	50 ohms unbalanced
Antenna 2	50 or 500 ohms unbal
Antenna FM/AIR	300 ohms
Selectivity	@ -6dB Mode 6 kHz AM 4 kHz AM 2 3 kHz LSB/USB
Ultimate Selectivity	>95 dB
Image Rejection	>60 dB 5-30 MHz >50 dB 87-108 MHz >60 dB 118-137 MHz >80 dB 55.845 MHz >80 dB 455 kHz
I.F. Rejection	>100dBm 20 kHz spacing >20dBm 5 kHz spacing
Dynamic Range	>95 dB 5-30 MHz SSB
Sensitivity	10 dB S+ N/N
SSB	<0.5µV 5-30 MHz
AM	<2.0µV 5-30 MHz
FM (20 dB S/N)	<4.0µV 87-108 MHz
FM (20 dB S/N)	<4.0µV 118-137 MHz
Freq. Accuracy	±10 ppm 0° to 50° C
Freq. Accuracy	±100 Hz @ 50° C
Intermediate Freqs	1st IF = 55.845 MHz 2nd IF = 455 kHz
Ext. Speaker Output	2 Watts, 4 Ohms <5% distortion
Line Output	300 mV, 4.7K Ohms
Operating Temp	0° to 50° C

Add the MS-8 matching external speaker for improved fidelity and clarity (4 inch, 4 ohm, 2.5W with 6 ft cord).

MS-8 Order #2846 \$48.95 (+\$3)

The R. L. Drake Company has created another winner. The new SW-8 is a portable communications receiver offering the worldband listener an impressive array of features. Coverage from 500 to 30000 kHz is supported in AM, USB and LSB modes. Quality reception of the AM broadcast band and all of shortwave is assured. We were delighted to learn that Drake elected to include the FM broadcast band in the new SW-8. Finally a quality communications receiver with FM broadcast band (87-108 MHz) coverage. And it sounds great too! The extra heavy, forward facing speaker, along with a tone control, combine to offer pleasing fidelity. As a bonus, the VHF aeronautical band is also featured (118-137 MHz). Enjoy listening to commercial aircraft over-head, or even control tower transmissions if you live near an airport.



The impressive backlit LCD panel provides all the operational data you need to navigate this impressive receiver. Frequency display resolution is to 100 Hz on AM, shortwave and aircraft bands. The SW-8 is a full fledged communications receiver but it is also a true portable. The full size front handle makes it easy to carry. Please note that this handle can be conveniently removed by the user for stationary operation. The SW-8 holds six D cells, and a pivot point 41 inch telescopic whip extends from the front for fully independent field operation. A 1/8th inch headphone jack is provided.

For the shortwave and medium wave broadcast bands, a synchronous detector (SYNC) improves reception by reducing distortion due to fading signals. Other aids include slow or fast AGC, RF attenuator and tone controls. Three IF bandwidths are supplied (6.4 and 2.3 kHz). Two independent clocks provide dual time zone selection, and a two event timer turns the radio on at a prescribed time. Severely non-volatile memories store frequency, mode, bandwidth, AGC setting, RF attenuator and synchronous detector on/off. Memory channels may be accessed manually or through 'time scan' with each channel monitored for 5 seconds. Keypad entry provides instant access to any frequency.

The back plane of the radio includes a PL259-type antenna jack or wire inputs for shortwave. Spring terminals are also provided for an external FM/AIR antenna. Record output, and external speaker (4 - 8 ohm) jacks are also featured. The SW-8 comes with a plug-in 120VAC power pack or may be run from six D cells (not provided). The latest member of the proud Drake family, the SW-8 provides performance, flexibility and features at an affordable price. Made in the U.S.A.

LIMITED WARRANTY

Standard Manufacturer Warranty 1 Year

Optional Extended Warranty To 3 Years

Order #0564

\$29.00

PRICING

Drake SW-8 List Price \$599.00

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Order #0088 \$589.95

Shipping/Handling/Insurance \$8.00

SPECIFICATIONS

Dimensions	10"W x 3 55/8" x 9 5/8"D
Weight	4.8 Lbs (7Lbs ship)
Frequency Range	300 - 30000 kHz
Power	12 VDC or 8 AA cells
Antenna 1	50 or 450 ohms
Selectivity	6 / 2.4 kHz @ -6dB
Image Rejection	>70 dB
Dynamic Range	>100dB @ 25kHz spac
Sensitivity	10 dB S+ N/N
SSB	<5µV 540-1800 kHz <5µV 1.8-30 MHz
AM	<15µV 540-1800 kHz <1.5µV 1.8-30 MHz
Freq. Stability	±5 ppm -5° to 130° F
Intermediate Freqs	56.655 MHz & 455 kHz

This new receiver provides excellent value for the money. Advanced features include DDS (Direct Digital Synthesizer) with patented NCO (Numeric Controlled Oscillator) that dramatically improves carrier to noise ratio. Ten Hz tuning accuracy insures precise tuning. A synchronous detector improves AM signals that are fading. Tuning via the keyboard or large smooth main tuning knob. A built in TCXO (Temperature Compensated Crystal Oscillator) provides 5 PPM stability. Other refinements include AGC control with off position, large amber backlit LCD, analog S-meter, dual VFOs, RS-232 serial interface and 100 memories with scan. Options will include VHF Converter, Filters, Rack mount, etc. Two year factory limited warranty.

AR3030 Order #3030 \$799.95 (+\$9)

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NASWA Notes

Richard A. D'Angelo
2216 Burkey Drive
Wyoimissing, PA 19610

This month's issue of the *Journal* is being sent free of charge to all former domestic members of the Society to Preserve the Engrossing Enjoyment of DXing ("SPEEDX"). Thanks to former SPEEDX Publisher, and jock of all trades, Eddie Janusz for making the arrangements. Also, thanks to Don Thornton, Publisher and Bob Thunberg, Business Manager for their assistance in making this happen. We hope SPEEDX'ers looking for a new home will give the *Journal* a good look and join our club. We would love to have you all as members.

Dr Harold Cones reports a good response to

the 1995 NASWA Membership Survey published last month in the *Journal*. If you haven't already done so, please take a few moments to fill out the survey and return it to Harold as soon as possible. It is important that we obtain as high a participation return rate as possible as the club charts its course for the remainder of the decade. Thanks!

Oops!!! In last month's *Journal*, I mentioned the 1995 North American DX Championships announcement appeared elsewhere in the bulletin. A few of you searched frantically for the announcement. It's not surprising that it couldn't be found since it

Welcome to the following new NASWA members -

Jack Althouse, Escondido, CA
Donald Baldwin, Coats, NC
Tom Beaton, Manchester, MA
Jeff Bowman, Canton, OH
Anthony Bozzelli, New York, NY
Edward Brown, Evanston, IL
P. Burfitt, Devon, PA
David Alan Carter, Denver, CO
Thomas Christopher, Pebble Beach, CA
Bruce A. Conti, Nashua, NH
John Cunningham, Prairie Village, KS
Phillip L. Foremaster, Dammeron Valley, UT
Yasuo Fujima, Huntington Beach, CA
Ralph C. Galgasso, Champaign, IL
Henry C. Garner, Crossville, IL
Don Girvin, West Richland, WA
Nick Grace C, Washington, DC
John F. Hall, San Leandro, CA
Bill Harrison, Depoe Bay, OR
John Hill, Amarillo, TX
David Hogg, Houston, TX
Dan Hromadka, Waco, TX
Richard L. Jones, Williamsville, NY
George Kendzior, Colchester, CT
Frank Klujber, Redmond, WA

Ed Ledner, East Brunswick, NJ
Roman Mazur, Woodlyn, PA
Kevin McQuaid, Edgemoor, ME
Howard L. Miller, Spring Valley, NY
Elizabeth Muhleisen, New Orleans, LA
Paul F. Murray, New York, NY
John Neuman, Riverview, FL
Satoru Ogita, Kobe, Japan
Ron Palmer, New Eagle, PA
Denis Pasquale, New Brighton, PA
Vince Pinto, Brooklyn, NY
Jacob Pollak, Brooklyn, NY
William C. Senn, King, WI
Mark Smith, Pasadena, TX
Rob Sprayberry, St. Petersburg, FL
Fred Stachel, Palo Alto, CA
Bill Stanwood, Wellesley, MA
David Stevens, Millis, MA
C. N. Sullivan, Raleigh, NC
John Tschanz, Downers Grove, IL
Chris Tyle, New Orleans, LA
Stephen M. Vitrano, Ramsey, NJ
David P. Wilson, Fairfield, IA
Vernon C. Woodard, Orange Park, FL
Vincent J. Zambo, Buffalo Grove, IL

Our Motto is - "Unity and Friendship"

wasn't printed. I'm sorry for the confusion that may have caused. However, it does appear this month (I hope, hi!) and the contest is scheduled for 10-12 March. ANARC Contest Chairman and NASWA Awards Chairman **Harold Cones** was just as confused in his column last month. At least I'm in good company, hi! Let's keep the club's tradition of our members placing at and/or near the top year after year.

Radio Austria International will be operating a amateur special events station (OE1M) and will offer special programs to help celebrate the International Marconi Day on 22 April 1995. To document this "first," there will be a special QSL for the shortwave and amateur broadcasts. Amateur station OE1M will operate in SSB on 3770, 7070, 14170, 21170 and 28470 kHz from 0000- 2400 UTC on Saturday, 22 April 1995. Radio Austria International will operate on 5945 and 6015 kHz at 0500-0700 UTC from Sackville, Canada; on 6155 kHz at 0400-2300 UTC; and 9655, 9870, 9880, 11780 and 13730 kHz at 0000-2400 UTC. QSL reports can be directed to the station at Radio Austria International, A-1136 Vienna, Austria. E- mail reports can be sent to Wolf Harranth through the Internet at kwp@rai.ping.at.

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening , DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F, Hausie WB4JSP, and Tom Sundstrom W2XQ, host an always lively gang of DX monitors. (Best heard in the eastern half of NAm)

The 8th annual Winter SWL Festival is almost here. The program has been set and registrations are flying in. Have you made your plans to attend? This is North America's foremost DX gathering and I hope to meet many of our members in Kulpsville. It's not too late to register so mark your calendar for 16-18 March 1995. I plan to have lunch with FEST pirate broadcaster Pancho Villa this year!

That's it for this month. Enjoy this month's *JOURNAL*; it's another good one.

Calendar Of Events

- Mar 16-19** - The 8th Annual Winter SWL Festival, Kulpsville Holiday Inn, Kulpsville, PA. SASE to Winter SWL Fest, PO Box 591, Colmar, PA 18915 for registration form
- Mar 18** - The Miami Valley DX Club (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC (614) 471-9973 Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
- Meeting, Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA. 7:30 PM Contact Dan Cashin (215)446-7831 (no meeting this month - Fest)
- Mar 24** - Meeting, The Boston Area NASWA Chapter. The Lexington Club, Route 4/225, Lexington, Mass. 7:30 PM This location is 1/4 mile West of Route 128 exit 31. For more information contact: Paul Graveline - Telephone: (508) 470-1971 or Internet: 74007.3434@CompuServe.com.
- May 7** - The Tidewater SWLs meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.

Members are invited to submit items to be included in this calendar to Bob Brown.

Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Bob Brown, 238 Cricklewood Circle, Lansdale, PA 19446 or via email - 74756.1557@compuserve.com

Robert E. Montgomery, P.O. Box 1458, Levittown, PA 19058

I found Mr. Bowen's musing from February an interesting read. For someone interested in programming, he is missing some of the best programming of the winter DX season. Like Mr. Bowen, I do not or rarely QSL. Personally, I feel that a cassette tape of the programs are more valuable. I too, am interested only in the programming. Winter time in N. America provides the best copy of the stations of the tropical band. At this time of the year, I rarely tune above 5800khz but for special programs I usually listen to. Most of the African countries broadcast in the tropical band. Most are in English. The problem is that most do not beam their signal to N. America. So with a good radio and antenna system and a lot of patience, they can provide for some interesting listening. As far as S. American stations in the tropical band go, they can be interesting even if you do not speak Spanish as I don't. The S. Americans have a spark of enthusiasm in their broadcasts unlike those of N. America. They make use of chimes, roosters, and reverb systems that is a thing of the past here in the US. I love S. American music. When not working and home in the evening after tuning RCI, "As It Happens", I go down the band below 6 mhz. One African I tune up almost every night is Ghana,3366. Mostly music but good listening. Then to some elevator music on 4810, Channel Africa, then to the good stuff. 4980 is Ecos Del Torbes with some interesting adverts and music. Some of the best Spanish music programs is on 5040, La Voz De Yopal at 0200. A lot of the S. American stations are only running 300 to 1000 watts. Most likely for S. American consumption and not aimed to N. America.

I am not sure which "Short-wave Radio Guide" Mr. Bowen is using but I find the one published annually by Mr. Figliozzi is the better one. MT produces one but not with as much detail. Several years back I subscribed to a quarterly radio guide another gentleman produced but only lasted two years. I, too, would like to see something like this once again. There is a definite need for such a publication but can't imagine how much work it is to assemble and the required circulation to make it pay for itself. Another source not mentioned is Monitoring Times which produces a brief program schedule monthly which may be of help.

Although I do not request a QSL from stations listened to, I have written letters to the stations giving my opinion of the programming and questions about news items. The

DUES INCREASE

With the recent increase in postage costs and other operating expenses of the club including printing, the Executive Council has determined that a US\$1.00 increase in membership rates for North America is necessary effective April 1, 1995. This is the second postage increase experienced since the last time dues were raised. In North America dues will be US\$26.00. Any member in North America can renew at the old rate until that time. Overseas postage rates may rise later this year which could result in membership rates increasing. Overseas members may also renew early to avoid the increase.

responses I have gotten have been very favorable. They seem to really appreciate the letters. This is also a great way to develop personal friendships with some of the folks at the stations.

Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610

Last month certainly had an interesting selection of musings appearing in the Journal. I was particularly interested in Peter Bowen's comments about program listening. Although I would personally find not tuning below 5,800 kHz and only listening to English language broadcasts very limiting, these limitations obviously appeal to him.

The lack of written material about program listening discussed in Peter's musing is interesting. Does it imply that there is no commercial market for the product? Peter asks where does the program listener turn for more advanced and challenging reading on the topic? Historically, the DX'er fraternity in the hobby has been very active in research and writing about their activities. If there is a significant "listener" population in the hobby ranks, it does not appear to be very active in reporting about their research on program listening by writing about their activities. In the pages of the Journal, Richard Cuff's Easy Listening column has traditionally experienced among the lowest levels of contributions of all our columns. Does this show a lack of interest by our members in this type of material?

Finally, I'm not sure what type of awards or contests could be developed that would appeal to the program listener segment of our club. Many shortwave radio stations have offered these in the past. It is difficult to gauge the success of these ventures since club members that participated hardly ever write about these activities. I'm not sure what Peter expects NASWA to do in this area. Perhaps if he has an interesting column idea, he, or another program listener, could "pitch it" to acting Editor-in-Chief Harold Cones. A few years ago during my tenure as the club's Awards Chairman, NASWA introduced an award that did not require QSL's. This award was designed for the DX'er that did not QSL stations. It was the first of a series of planned awards in this area. Unfortunately, the Awards Program did not attract any non-verifiers to the program. Instead, the award provided QSL'ers an opportunity to add another certificate to their collection.

Richard R. Dailey, 1815 Kleber Street, Pittsburgh, PA 15212

An open letter: Can you afford an airmail stamp?

Every SWL agrees that today's tabletop HF receivers are not all that they could/should be; and in many cases aren't even as good as they were in the past! Why??? Who's fault is it? The HF receiver manufacturer's who want to minimize production costs and conversely maximize profits?? Or, is it the big SW radio dealer's who only promote the brands with the biggest profit mark-up margins irrespective of their inferior performance? Or is it the major SW magazines and review columnists who would rather safely photocopy the mfg's sales brochure releases, rather than write a critical receiver review for fear of losing the mfg advertising dollars, as well as their pay checks?? Or, is it US - the SWL consumer?? Are we SW consumers blameless when we all know that a \$2,000.00 HF receiver has a \$2.00 speaker in it? Or, that workable, selectable synchronous detection circuitry has existed for well over 30 years, yet, very few receiver mfg's offer it in 1995? Yet we SWL consumers remain silent and content with the overpriced and under-performing status quo!! Why? How many of us SWL consumers ever actually write a detailed letter of receiver criticism to the "President" of a major receiver mfg.?? Via airmail? Or SW magazine editor-in-chief??

We SWL's don't have the time to get involved or the money to waste on an airmail stamp? So nothing really changes except the increase in the mfg./dealer's profit margins and the subsequent decrease in the SWL hobby members! SW consumer indifference and complacency breeds inferior and overpriced products. It really does feed upon itself.

If we SWL's really want a better performance in HF receiver's and better prices, then we must ask/demand the mfg's for them. And ask with our checkbooks as well as our letters. It's that easy. A 6- 12 month unsold dealer inventory of unsold receivers will do actual wonders to get the big mfg's attention!! Indeed, it would !! And the end result may be a dramatic and pleasant sounding improvement in receiver quality and performance! At a fair price too! It's that easy.

Thanks for your "ear."

P.S. For the record, I do put my pen and paper where my mouth is; after all, I wrote this letter to you didn't I!

Walter B. Fair, Jr. KE5WJ, 12230 Palmfree St., Houston, TX 77034

I read with some interest the results of the SWL poll reported in the January 1995 Journal. I wasn't at the ANARC SWL Fest, so I didn't participate in the poll, but the comment concerning mobile SWLing caught my attention; I've done that for quite awhile. The authors stated that they would have liked to know how those without car short-wave receivers do it, I thought I'd share my method. Of course, I can't speak for the 16 respondents mentioned in the article.

I don't own a car short-wave radio, although I tried a receiving converter years ago. I wasn't impressed with the results, so I gave up on that. I've also considered using one of my ham transceivers, but since I really don't have room in the car (currently a 1989 Mercury Cougar) or like the looks of a big ugly transmitting antenna, I decided not to go that route either. I park in covered garages quite a bit and I don't want to take the antenna off every time it scrapes the roof. Since I have several portable short-wave receivers, which should perform well enough for mobile use, I very simply adapted them for use while mobile.

The setup that seems to work best for me is quite simple. I have a Radio Shack DX-380 (I've used a DX-390 and several other portables equally well). The radio is run off of batteries, as a normal portable, since attempts to tap into the car's power always seemed to add a lot of ignition noise and I'm too lazy to try to troubleshoot the problem. So far, no tricks. The main problem for anyone who tries to use a portable receiver inside a car is that the built-in antenna doesn't work worth a flip and gets in the way.

To overcome that problem, I use a magnetic mount mobile antenna and a Realistic Amplified Short-wave antenna. The mobile antenna is fed into the amplified antenna and the output of the amplified antenna goes to the receiver antenna. Most of the time, I don't even need to use the power switch on the amplified antenna - it's basically a tuner for helping get a little better match between the antenna and the radio. In addition, for a little better audio, I use a CD/cassette adapter (also available at the local Radio Shack) to feed the audio from the receiver headphone jack into the car radio/cassette player.

With this setup, I'm usually able to comfortably listen to short-wave broadcasts while driving and the total cost, besides the portable receiver, was not too bad: the cost of the amplified antenna and the CD/cassette adapter, plus the magnetic mount antenna. As far as performance, I usually get no ignition noise and am able to hear more than I could with the portable's built-in antenna outside the car. I'm sure I won't bag any real weak signals, but I really don't care to fiddle with things too much while I'm driving anyway!

By the way, I've tried several different magnetic mount antennae. Of course, none of them are long enough to be optimum. I've got the best results with an antenna that is as long as

possible without a base loading coil. Since most 10/11 meter mag-mounts have a base loading coil, they don't seem to work too well. My 2 meter quarter wave is marginally OK, but pretty short. The combination that seems to work best is either a 10/11 meter mag-mount with the base loading coil removed or by-passed, or my dual band antenna that is a center loaded 5/8 wave on 2 meters. Since I usually have it on the car, I can simply unplug it from my 2 meter/440 mobile rig and plug it into the amplified antenna.

So, for anyone who might be interested, that's how I do it. I'd appreciate hearing any other ideas or techniques for mobile listening.

Steve Bies, 5756 Zane Ave. N., Crystal, MN 55429

I've been a SW listener for about a year now, and from time to time I have to remind myself that this hobby is magic. We are all so inundated with technology that we take it for granted. But what happens when we turn on our radio would have seemed like a miracle to the people of just a few generations ago. A message from a distant land conveyed at the speed of light, strikes my antenna, enters my receiver; and voila, a human voice. And we are constantly surrounded by thousands of these signals, completely imperceptible except by the magic of that little metal and plastic box. I realize it can all be explained very easily in scientific terms, and that's all very well and good; but to me it still seems just a little bit magical. And that suits me just fine.

Peter J. Bowen, 95 High Park Ave., Apt. 804, Toronto, Ontario, Canada, M6P 2R8

In the January 1995 issue of The Journal, Richard Cuff and John Figliozzi presented the results of a survey they undertook at the 1994 Winter Short-wave Fest. After reading this quite interesting article, some thoughts and questions come to mind.

I agree with them that the results of their survey should not be taken as definitive of the hobby as a whole, but I, in unison with them, nevertheless consider the results to be revealing of some highly probable facets of listening within the hobby.

The results tentatively support the view that the majority of hobbyists spend the majority of their time listening to programs on short-wave. In other words, the majority of hobbyists are primarily program listeners rather than Dx'ers. Perhaps surprisingly, no one claimed to be only a Dx'er, but 12% of respondents claimed to be solely program listeners. Among those that were not program listeners, it seems that the usual drawbacks of short-wave (e.g., reception difficulties) are not the main reasons for their disinclination towards program listening. Reasons for lack of interest in program listening are thus generally not connected with the medium or the programming on it.

Given these conclusions which show the great popularity and strength of program listening within the short-wave hobby, and assuming that they are in fact valid for the hobby as a whole (which I think is a reasonable assumption), several questions come to my mind.

First, if program listening is so popular within the hobby, why is there so little written on program listening in the hobby press? Why are there so few articles and books on program listening as an activity in itself? I have read many words written on what makes a good short-wave receiver, for example, but I have read very few on what features go to make a good short-wave program.

Second, because we as hobbyists spend so much of our time listening to programs, why do we continue to listen to mediocre programs? Out of those stations mentioned at least twice as stations the respondents listen to on a regular basis, I would say that at least one-third have programming that is, to be polite, dry. This mediocrity stems from both content and presentation, but is primarily a result, I think, of poor presentation. Perhaps regular listeners to these stations learn to put up with the mediocre presentation in order to obtain the program

content that they are after. Yet, with so much really good programming on the air, why bother?

Third, to what extent are short-wave stations consumer-driven? To what extent do short-wave stations look at data such as that presented by Richard Cuff and John Figliozzi as a guide by which they formulate programming plans, both in general terms, and also as regards specific programs? Will short-wave stations look at this data and realize the importance of programs and programming in the listening habits of short-wave hobbyists?

I'd like to offer a few final thoughts.

I wonder how many stations with some popular appeal are "one hit wonders", i.e. their popularity is based almost completely on one or two very popular and well-done programs. For example, Radio Japan has only one program mentioned by respondents as being frequently tuned, and that is, of course, their DX/SWL program "Media Roundup". Is this because Radio Japan's other programs are not worth listening to? Another example would be RFPI; how many people listen to it simply to hear the popular program "World of Radio"? If this program was dropped from the schedule of RFPI, to what extent would their listenership drop? And what happened to the listenership of SRI after "The Swiss Short-wave Merry-Go-Round" was dropped from their schedule?

There may well be some stations that have very little programming appeal for listeners, apart from one or two well-done programs. But I think that, in general, if a station produces one or two good programs, the others are probably pretty good as well.

As I have previously stated, I think that there are lots of really good programs on short-wave today. I hope that program listeners will make use of these programs, and broaden their listening habits a bit so as to tune some programs that they would otherwise not consider.

FRENDX: Twenty Five Years Ago...

Publisher/Executive Director Bill Eddings prints a warning from ANARC Executive Secretary Gray Scrimgeour about "multi-freak" receptions ("a series of unusual and irreproducible DX catches reported by only one DX'er"). Over 100 members had voted in the Board of Directors elections with 21st of March being the closing date for ballots. James Young (60 meter band) and Dr. Tom Williamson (90 meter band) won the club's Winter 1969 DX Competition. Newsroom, edited by Robert Hagerman, featured the latest information about South Vietnamese clandestine station National Liberation Front courtesy of Newsweek magazine. Highlights of the Log Report, edited by Dan Ferguson, were receptions of Radio Nordsee International on 6,210 at 0200 and Radio Nepal on 11,970 at 0120-0200 on Sunday. In the Flash Sheet, editor Al Niblack comments, "... propagation must be good as witness the fine DX items reported to the Flash Sheet Department. Low band DXing should continue to improve as the sunspot count continues to drop."

For Sale - Numero Uno: Issues 870 (Sept 1986) to 937 (December 1987) and 1149 (January 1992) to 1303 (December 1994). Best Offer, I pay shipping. Hans Johnson, 7529 Red Cravat Ct., Columbia, MD 21046 (410) 381-5691.

Book Review: The Zenith Trans-Oceanic, The Royalty of Radios

By John H. Bryant, AIA and Harold Cones, Ph. D.

Reviewed by Bob Brown

I knew it was on its way. Harold mentioned on a recent telephone conversation that the Trans-Oceanic book was about ready to ship and I could tell from the tone of his voice that he was pretty excited about it. Finally, one cold day in February the padded envelope from "The Radio Professors" arrived. After dumping all the other mail on the dining room table I quickly ripped open the package.

When I retrieved the book, my very first reaction was one of surprise. I guess I was surprised because I didn't expect the book to be of such physical quality. It's a marvelous looking book with a colorful paper cover and glossy heavy stock pages. Quickly turning the pages I noticed beautiful reproductions of black and white Zenith ads with black blacks and white whites. It was obvious someone took great care in making sure that these reproduced as best as possible. The color photos and ads were equally as beautiful; this was a GREAT looking book!

I knew that Harold and John had spent considerable time digging through the Zenith archives in Chicago, and it shows. There is a wealth of information contained here that has never been available to the public before.

The book is divided into three sections and an appendix. Section I, History and Design, begins with a brief history of the Zenith Radio Corporation and its development of "portable" radios. It goes into great detail about the "father" of the Trans-Oceanic, Commander Eugene F. McDonald, Jr., the adventurous and larger than life president of Zenith. The story of how this shortwave portable got life and developed into the world's most popular portable radio is fascinating reading. The role the radio played in war and peace, and the design and styling of the Trans-Oceanic is covered in detail in Section I.

Section II is an "everything you ever wanted to know" about models, versions, serial numbers, number produced, design, price, accessories and advertising. I'm a bit of an ephemera nut and have been known to search out collectable shows and antique shops for radio advertising. The collection of Trans-Oceanic advertising that's reproduced in this section of the book is neat stuff. This section also contains beautiful color photographs of actual Trans-Oceanic's and is a visual treat for radio collectors.

Section III covers collecting and restoration. It's hard to read a book like this and not want to have one and the authors guide you on how and where to acquire one and how to get it working and good looking as well. Covered here is physical and electronic restoration of both the tube and solid state models. In addition there is a useful section on parts commonality. Many parts are shared between models and you just might be able to buy an old junker Trans-Oceanic cheaply to get the parts you need for that gem that you are restoring.

The Appendices cover restorer's tools and materials, parts and supplies resources, and a Trans-Oceanic price guide. These radios can be had from upwards to \$300 depending on condition and rarity.

"The Zenith Trans-Oceanic, The Royalty of Radios" is a must buy for anyone that has an interest in these fascinating radios. And after buying the book, start saving your pennies, because if you don't already own a Trans-Oceanic, you will!

The book is published by Schiffer Publishing, Ltd., Atglen, PA. and is available from the publisher or book stores. I do, however, recommend that you buy the book directly from the authors. Why? Because of the added stuff you get. 1. You receive a limited, numbered, autographed edition of the book. 2. You receive a "Flea Market Trans-Oceanic Model Identifier" that is not published in the book. 3. (most importantly) Your dollars support further research and

writing dealing with Zenith radio. 4. Your name is added to their database of Zenith lovers so that you will receive advance notice of Zenith memorabilia sale and future publications. Shipped with the book is a 1995 catalog of "Quality Zenith Radio Replica Owners Manuals" for selected Trans-Oceanic and 'companion' radios. Remember that great Trans-Oceanic advertising I mentioned? The Radio Professors have obtained exclusive permission to reproduce color (11" x 17") and black and white (18" x 24") advertising posters on bright white heavy card stock. And, at \$7.50 ea. these are a bargain.

"The Royalty Of Radios" is available for \$24.95 + \$2 s/h, (\$3 Canada) to:

The Radio Professors
P.O. Box 592
Stillwater, OK 74076

The 1995 NORTH AMERICAN DX CHAMPIONSHIPS (NADXC)

A shortwave Listening Contest Sponsored by The Association of North American Radio Clubs (ANARC)

PURPOSE:

This contest is designed to promote the shortwave listening hobby and to provide those SWL's and DXer's interested in competing an opportunity to participate in a carefully run, challenging contest.

ELIGIBILITY:

The 1995 DX Championship is open to all DXer's residing in North America [as defined by the country list of the North American Shortwave Association (NASWA)]. Members of the NADXC Administrative Committee are excluded from participation.

LISTENING PERIOD, FREQUENCIES, AND TIMES:

The contest listening period will begin on Friday, 10 March 1995, at 1900 EST (0000 UTC) and end Sunday, 12 March 1995, at 2359 EST (0459 UTC). This contest coincides with the end of Shortwave Radio Week (which runs from 6-12 March).

PRIZES:

Plaques will be awarded by ANARC to the top three finishers. The top finalist will receive a pair of JRC headphones courtesy of Paul Lannuier, President of Gilfer Shortwave. All entrants will receive a participation certificate indicating that they competed in the 1995 North American DX Championships. The certificates for the top 20 will have their place of finish in the NADXC indicated on the certificate.

SCORING:

Contestants are to log as many stations as possible from as many countries as possible within the prescribed listening parameters. The first station logged from each country= 1 point. The second station from each country= 3 points; each additional station from that country= 5 points. There are 10 BONUS countries that count 10 points each—rather than 1—the first time they are logged: Australia, PNG, Ghana, Namibia, Ecuador, Guatemala, Norway, Vatican City, Laos and India. For contest purposes, all clandestine stations and hobby pirate transmissions will be considered one "country." A station is a shortwave broadcaster whose transmissions are intended for reception by the general public. Each transmitter site of a broadcasting organization will count as a separate station. Different services of the same broadcast organization do not count as separate stations. Transmissions of a single broadcast organization on various frequencies may only be counted once. The use of multiple frequencies does not create as many new stations as frequencies used. For country counting and station counting purposes, the country list of the North American Shortwave Association (45 Wildflower Road, Levittown, PA 19057) will be the sole criterion.

Participants are required to submit a running log to include country, station, frequency, time, date, SINPO, and the basis of station identification (i.e., spoken ID, interval signal, language, program, known/frequency checked, etc.)

Each contestant is required to total his own entry and provide a summary of the number of countries and stations claimed to support the point totals. The receiver(s) used in the contest must also be indicated. Logs will be judged on accuracy, completeness and neatness. If the judges cannot read a log, it will not be counted for scoring purposes. The decision of the judges is final.

FEES:

An administrative fee of \$4.00 plus two \$0.32 stamps must be provided for each contest entry. All entries must be postmarked by Wednesday, 22 March 1995, and sent to: Dr. Harold Cones, Two Whits Court, Newport News, VA 23606 USA

Contestants will be notified of the results in June, and a list of winners will be sent to each of the ANARC member clubs for publication.

Good luck from the 1995 NADXC Administrative Committee - Harold Cones, John Fisher, and Kris Field.

Easy Listening

Richard D. Cuff
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Plurus ex uno

It has been too many years since I took Latin in high school, but, to paraphrase one of the USA's mottoes, namely E Pluribus Unum, the gibberish above is supposed to mean "Many out of one". BBC World Service is splitting into five regional services, each with its own program timing, versus a single worldwide program with programs repeated at various times for various markets. The March *BBC Worldwide* featured the following information, in an interview with Sam Younger, the Managing Director of BBCWS.

— Program content will not significantly change. The same programs will air on all five regional services, but will not air simultaneously around the world. This *should* mean (my emphasis) that some programs which didn't air during a convenient North American time would be rescheduled.

— News and current affairs that used to be broadcast live will still be broadcast live to all regions. This will likely apply to *Newshour*, *Newsdesk*, some business news reports, and other hourly newscasts.

— Coverage of business news, world news, current affairs, and British news is being increased at the expense of some lower priority activities within the BBC. British news will now be broadcast in 15-minute time slots, including a roundup edition on the previous day's news. Business news will be more timely and comprehensive.

— Transmitter output in English will be increased to fill some current coverage gaps. The impact of this on North American broadcasts wasn't specified.

— Continuity - the chitchat between programs - will be regionalized. This doesn't necessarily mean that regional vernacular patterns would be introduced, however.

— There was no specific mention on the future of regional programs like *Caribbean Report* and *Focus On Africa*. It would be interesting to see if analogous programs like *Focus On The Americas* are created.

It will be interesting to see how many of the regional services can be easily heard here in North America. I would expect the African service to be an easy catch as long as the Ascencion relay is used towards Africa. The European service should also be heard here, based on what I have seen of transmitter patterns. I strongly recommend, if you want to listen to the regional services, that you contact the Engineering Services department at the usual Bush House address for a copy of the new transmitter schedule once it's issued. It should show the program stream, frequency, transmitter location, transmitter power, bearing, and hours of service.

If the changes are indeed as represented in *BBC Worldwide*, this should be a net gain for us here in North America. We should be able to hear more diverse programming with fewer extra repeats and fewer missed programs. We will also have four new Easy Listening target broadcasts!

I expect to continue the same general format for program summaries as I've been using, ordering the summaries by the times they air in North American "Prime Time" and then listing other air times at the end of each listing. We'll see how that works. As always, please let me know if you have ideas on improving the presentation of BBC highlights.

Focusing On Asia

One of the benefits of shortwave is the coverage emphasizing other parts of the world distant from North America. While African coverage generally originates from broadcasters based outside Africa, Asian

coverage is provided by broadcasters based both in the region and elsewhere. Here are some suggestions on programs about Asia:

Radio Australia: **Asia Focus** airs weekdays at 1010 following the hourly news. 9580 kHz generally works best in Pennsylvania and Maryland. Unlike **International Report**, which carries two or three stories in its twenty-minute time slot, **Asia Focus** normally carries one feature in its twenty-minute run. The program is more of a magazine-type program than the typical current affairs approach of **International Report**.

Radio Australia: **Report From Asia**, 1030 UTC Sundays, is a weekly roundup of Asian events. This program is repeated every two hours through 2030 UTC Sundays.

Deutsche Welle: **Asia Pacific Report** airs weekdays at approximately 0210 following the news. Program format is similar to **European Journal**. Currently 6130 kHz, relayed from Sines, Portugal, propagates well to the USA. I am not sure if Deutsche Welle beams this frequency towards North America on purpose, or if this frequency is beamed towards the Pacific and we're in the line of fire.

Voice Of Russia: I haven't heard **Focus On Asia and the Pacific** in recent months, but I suspect it's still on. My last schedule from Moscow only showed frequencies targeted to North America, not elsewhere.

Radio Netherlands: Special versions of **Newsline** targeted to Asia air at 1337, 1437, and 1537 daily except Sunday. I know some earlier transmissions from Radio Netherlands targeting the Pacific (and originating from Bonaire) are generally reliable, but I haven't recently tried to catch any of the Asian releases.

BBC World Service March Highlights

Program Spotlight

Tuesdays, 2330: What do beards and jet engines have in common? Both were recent topics on **Omnibus**, a feature program that looks at a particular subject or profiles a

particular individual. In the predictable, tightly ordered world of the BBC, I find the unexpectedness of **Omnibus** to be a special treat. March program subjects include then-Princess Elizabeth's 1947 visit to South Africa (March 14th) and the conditions in Namibia five years after its independence from South Africa (March 21st). **Omnibus** is repeated Wednesdays 1001 and 1930.

News and Feature Programs

Mondays, beginning March 13th, 0015: **The Miles Kington Interview** is another three-part 15-minute series of "what-if" interviews of celebrities who lived before the age of radio. Nostradamus, Mata Hari, and Dr. Samuel Johnson are the subjects of Kington's "interviews". First airing Sundays 0445; also repeated Mondays 1445 and Wednesdays 0815.

Monday, March 13th, 0101: **Garrison Keillor's Radio Preachers** is a single 45-minute program taking a look at a few of the 30,000 radio preachers that grace American airwaves. It will be interesting to hear Keillor's approach to a worldwide audience. The program will be spiced by musical contributions from Keillor and his *Hopeful Gospel Singers*. First airing Saturday March 11th 1901.

Monday, March 13th, 1209: **The Queen's Commonwealth Message** is a single five-minute message from Queen Elizabeth on Commonwealth Day, celebrated on the second Monday of March. First airing Monday 0809; also repeated Monday 2009.

Monday, March 20th, 0101: **The Bridge** is a single 45-minute program exploring the long history of mankind's spanning natural divides, from Sydney to San Francisco. Christopher Cook crosses bridges currently under construction and explores the history of the bridge from civil engineering to poetic metaphor. First airing Saturday March 18th 1901; also repeated Monday 1515.

Sunday, March 26th, 0230: **A Fatal Fascination** is a single 30-minute program on our fascination with natural disasters, shipwrecks, floods, hurricanes, earthquakes, and the like. The program also explores

possible psychological reasons for our interests in the macabre. Also repeated Sunday 1615 and Monday 0730.

Sunday, March 26th, 2330: Trip To Death And Back is a single 30-minute program on the current medical practice of anesthesiology. New compounds and procedures contribute to safe surgery and rapid recovery from complex operations. First airing Sunday 1401; also repeated the following Monday, 0630 and 1001.

Religion

Wednesdays, beginning March 1st, 0130: Contemporaries Of Christ is a five-part 15-minute series of Lenten reflections from people the same age as Jesus when he was active in ministry - their early 30's. The perspectives should be interesting - an agnostic, a converted Jew, a converted Roman Catholic, and others from the arts are interviewed in the series. Repeated Wednesdays 0930 and 1715.

Monday, March 13th, 1515: Commonwealth Day Observance is coverage of the annual Westminster Abbey Interfaith Commonwealth Day Observance. Representatives of all 51 Commonwealth nations and religious leaders from the world's major religions gather for the service. This program is not repeated.

Friday, March 31st, 1215: Fasting For God is a single 30-minute program exploring the origins of fasting in both Islamic and Christian faiths. The roots of fasting in early religions are considered. First airing Friday 0730; also repeated Friday 1930.

Music

Mondays, 0330: Anything Goes is a continuing 30-minute series airing listener requests for unusual or rarely heard pieces of music, poetry, or prose. Bob Holness hosts. First airing Sundays 1430; also repeated Mondays 0830.

Saturdays, beginning March 4th, 2330: That Was The Year ... is a four-part 30-minute series taking the classical hits of a particular year, spiced with an occasional flop, with a dash of historical fact and a pinch of gossip.

Served up by Paul Gambaccini with a panache garnish. Repeated Tuesdays 1030, Fridays 1715.

Mondays, beginning March 13th, 0145: Medical Notes is a three-part 15-minute series examining the illnesses and deaths of three great composers: Beethoven, Schumann, and Paganini. First airing Sundays 0715 and repeated Tuesdays 1445.

The Arts

Sundays, 0101: March Play Of The Week highlights include **Half The Picture** (March 12th, beginning at 0030), a documentary drama about the scandal surrounding the sale of materials to Iraq and the government's perceived cover-up of its role. **The Woman Who Laughed** airs March 19th and was commissioned by the BBC from American Joyce Carol Oates. Nell Ryder, an enthusiastic, optimistic teacher (played by Kaitlin Hopkins) leaves a New York private school to teach a group of less privileged children in Michigan. Co-stars include Tom Virtue, Ed Asner, Lindsay Crouse, and Gary Kroeger. **2004** airs March 26th and is a futuristic look at a society threatened with destruction by lawlessness and destruction where Draconian surveillance implemented to curtail crime also curtails freedom. **Play Of The Week** is repeated Sundays at 1201 and 1901, with March 12th programs beginning half an hour early.

Watch This Space

Next month's column will be devoted to the schedule changes in the BBC World Service, especially for regular programs. I know many of you already receive *BBC Worldwide*, and the column will duplicate the Beeb's fine publication. There are enough folks that don't subscribe to *BBC Worldwide*, though, to make this emphasis worth the one-time special treatment.

Thanks for input from John Figliozzi (wrapping up the latest edition of the Shortwave RadioGuide, he says) and John Schmid. See you all at the 'Fest!

Until next month,

73 DE Richard



Shortwave Center

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The below first appeared in Numero Uno in 1987. It is a good adventure story and I would like to thank John Herkimer for allowing me to use it.

A DX'er in Africa

by Joe Talbot

It is not as easy as it sounds "visiting" radio stations in Africa. Most all the stations I saw are surrounded by high barbed wire fences and lots of soldiers and guns. Stations are well protected and visitors are usually not welcome. Not welcome was usually what I met with at the front gate. I could see their point—most countries are entangled in a war. So I was unable to get into many stations as I travelled by hitchhiking across Africa.

I landed in Johannesburg on October 1, 1986. South Africa is a very beautiful country. Mountains, deserts, lush valleys, unspoilt and very beautiful beaches. I was most impressed with Namibia and the Caprivi strip. While in Namibia I met an Italian guy in GrootFontein. We decided to travel together into Angola. "Tourism" is not a good reason to get an entry visa for Angola! Knowing this we knew we would never get a visa so we decided to go anyway. The way we saw it was that you can't fly halfway around the world and miss Angola. So we entered Angola illegally by crossing the frontier late one night. We spent 3 days in a small village south of Serpa Pinta. Looking back on that stunt it could have been the last dumb thing I ever did! On our exit from Angola we ran into a bunch of South African soldiers. They explained what is done to strangers caught wandering around Angola.

Next stop for me was Swaziland. I did not have a chance to visit the capital Maabane. I explored the south of the country, Swaziland sits on the edge of the South African escarpment. There are beautiful rugged mountains in the west which descend to low lying plains in the east. From Swaziland, I went on to Lesotho where I visited Radio Lesotho

in Maseru. It was difficult to get into the studio building as the gate was manned by soldiers. Finally one of the station personnel came down to show me around. He gave me the grand tour and I was even allowed a few pictures. I watched as a program was recorded in Sotho. I had the pleasure of meeting the QSL secretary. She was very busy but took the time to show me her job duties, including the reception report file. I saw reports from: Charles Foxx VA, William Westenhaver QUE, Mike Brooker ONT, and James Key PA. I thought seeing and being able to read their reports was rather neat. I told her I knew these guys and asked her to do a little extra to send them a QSL. Greetings are an important social ritual in Lesotho so if you want to create a favorable impression try: Lumela (Khotso) Ntate means Greetings Sir (Madam); Tsamae Hantle means Go Well and Sala Natle means Stay Well. From the studios I took the long walk to the Lancers Gap transmitter site. Lancers Gap is a saddle between two large mountains east of Maseru. It's not a separate town but actually just a road passing through the gap. The walk is a killer. The transmitter site is atop the gap overlooking Maseru. At the gate there were no soldiers so I walked through to the nearest building. It turned out to be the home of the security guard. After he was convinced I was not a spy, he offered to show me around. He took me to the engineer on duty who showed me around the site. Radio Lesotho uses a Marconi water cooled transmitter of 100 kW on 4800 kHz. Also BBC 6190 and 9515 are 100 kW. They use UHF links between the transmitter site and studio. As I recall, there are 5 antennas in the "farm". I wasn't permitted any photos at the site but I did manage to take a couple use a 600mm telephoto lens while outside the fence. There are no BBC personnel at the site, only Radio Lesotho personnel trained in England.

From Lesotho back into South Africa. A mistake was made on my entry visa for Mozambique. I had asked for a two day transit visa to take the army-protected civilian convoy of trucks from Harare, Zimbabwe across Mozambique to Malawi. I was mistakenly given a two week "tourist visa" so I took the opportunity to see Mozambique. The country is entangled in a war with the MNR so things are tense. I spent 12 days wandering around Mozambique which consists of a wide coastal plain rising to mountains on the Zimbabwe, Zambian and Malawian borders. Beautiful beaches for miles and you are all alone there! Back to Maputo where I had the misfortune of being shook down by a group of government soldiers. They proceeded to rifle through my knapsack and took my Sony ICF-7600 because they said "I had been listening to the BBC". Well, EXCUSE ME guys. No Canadian embassy to cry to so I exited Mozambique and returned to South Africa.

I then tried to organize a trip to Tristan da Cunha through the South African Tourist Board. No luck. A supply ship leaves Cape Town once a year for the island. In order to go there you must ask permission from a government official on the island. In order to get that permission you must want to go there for something that will benefit the island, such as scientific work, etc.

Then it was off to Botswana where I spent one day in Gaborone with no chance to visit Radio Botswana. I then hitchhiked across the Kalahari Desert to the Okavango Swamp and into Zimbabwe. I spent a couple of days at Victoria Falls and then made it to Harare. In Harare I visited the Zimbabwe Broadcasting Corporation where I was taken to see the Chief Engineer and given the VIP treatment. I wasn't allowed any pictures but I did meet an American Engineer working for the ZBC. He is a ham radio operator and he told me that ZBC was going to start an International Service in the future.

From Zimbabwe to Zambia where in Lusaka a friend and I had our passports and money ripped off. I tried to visit Radio Zambia but I wasn't allowed inside the gates. This tight security probably had something to do with their fear of South African attacks on Zambia. I was met at the gate by Lararus Kanyungo who spoke with me about the station and gave me a QSL for a reception report.

From Zambia into Malawi, a strange little country with a one party government. The new capital of

Lilongwe is probably the strangest place you'll ever run across. The business district, if you can imagine, is a large modern 40 story building separated by large empty lots. This district is separated from the rest of the city by about a half hour drive! Even at mid-day, the area has very few people or traffic. Walking across the business district gives one the same feeling as walking around a cemetery at midnight. I did visit the MW and FM end of Radio Malawi in Lilongwe and spoke with the engineer Vito J. Nyengari. I was shown the transmitter and studio but not allowed to take any pictures. The SW end of Radio Malawi is located in the "old capital" of Blantyre. The following words in Chichewa might be a friendly introduction: Moni means hello, Muli Bwanji means how are you?, Ndili Bwino means I'm fine and Zikome means thank you. Chichewa is the local language but English is the official language.

From Malawi into Tanzania. I had been carrying a reception report from Ed Kusalik to deliver to Radio Zanzibar so I made a beeline for Dar Es Salaam. Arriving in Dar I tried to book passage across to Zanzibar but there is only one boat takes people across. There is a constant petrol shortage and that plays havoc on its passage. I pitched my tent on the beach in front of the Zanzibar Shipping Co. and waited five days for the boat but it never returned, so I reluctantly left Dar. For those who really want to pry out a Zanzibar QSL, you might try American dollars. Tanzania is a great place to visit if you have US\$, you can exchange the cash on the black market for five times the official exchange rate.

On the way to Kenya I took a guided climb to the top of Mount Kilimanjaro, Africa's tallest mountain at 5895 meters. The term mountain is deceiving as Kilimanjaro is just a big well-trodden hill, no Mount Everest! No special gear is needed, just 6 days of hard walking. I dragged myself into Nairobi, Kenya on Christmas Eve. At 90 above and no snow it just didn't seem like Christmas. Nairobi is a rest stop for the burnt out overland hitchhikers that are travelling North to South. Nairobi is a modern city as you'll find outside of South Africa. The people are friendly but I got the feeling they are sick of tourists. Being the holiday season, the offices of Radio Kenya were closed.

From Kenya into Somalia and the long hard slog to Mogadishu and Hargesia. I tried to deliver another reception report for Ed Kusalik but I stood at the gate trying to have someone come down to

take the report but no luck. I did get some pictures though. From Hargesia we had thought of flying to Aden, South Yemen but we were denied the entry visa. Djibouti and North Yemen were also off limits so we decided to head back through Ethiopia to Kenya. Ethiopia is officially closed by we managed to get in. Fighting and starvation still continue there. Amharic is the official language but older people and civil servants often still speak academic French. Some words in Amharic are: Hello is Tenastele and Thank you is Amasagunalhu.

From Ethiopia we headed into the Sudan for about a week. Not much to say about the Sudan other than its very hot and barren. After 8 months in Africa I was tired so I decided to head back to Nairobi. My Aussie friend decided to touch it out

but I flew home from Nairobi. I got a postcard from my Australian friend when he was in the hellish place of Bangui, Central African Republic on his way to Rabat, Morocco. This was in July, and he was hitchhiking so he might be there by now.

As you've read, I really wasn't able to visit many stations. There is a fear in the air in Africa and the governments are scared of each other. Things like freedom to come and go in some places is very restricted. I'd love to go back to Africa someday but for now I'm setting my sights on South America.

Our final article is courtesy of Rich D'Angelo and first appeared in WDXC Contact.

A speech delivered by Andy Sennitt, Editor, WRTH at the EDXC Conference 1994

Michael Murray

I stand before you as someone who has just completed thirty years as an international radio listener. I know you might find it hard to believe. I look far too young and far too normal. Well, young anyway! Its now also twenty years since I started working professionally in jobs related to international broadcasting. Back in 1974, I joined the BBC Monitoring Service, and my job there was to make sure that the monitors were able to hear the right stations in the right languages.

In those days, nearly all the news broadcasts we covered were picked up either on shortwave or mediumwave. I recall that part of the daily routine was to record and transcribe news bulletins from Radio Australia, and deliver the transcripts to the Australian Embassy in London. I thought about this recently while sitting in my armchair at home in The Netherlands, listening to Radio Australia in almost studio quality on my hi-fi system, fed by a satellite signal from the World Radio Network on Astra.

Those of you who know the World Radio TV Handbook will be aware that we now include listings of satellite broadcaster and we recently launched a new publication called the WRTH Satellite Broadcasting Guide. However, while most of our readers clearly appreciate our coverage of this expanding medium, a small but vocal minor-

ity of diehard shortwave enthusiasts seem to think that their diehard shortwave enthusiasts seem to think that their beloved hobby is under threat, and a few have suggested that WRTH as well as radio programs like Media Network, should ignore what is happening and concentrate only on frequencies below 30 MHz.

Now, let's imagine what would have happened if this attitude had prevailed in the earliest years of wireless. Perhaps we would be spending this weekend comparing notes about the spark transmissions we had picked up on longwave from such exotic places as Hilversum and Stockholm. Or perhaps with luck, we might have progressed to the news in Morse code from Montreal. Yes, it sounds silly, doesn't it, but so is the idea that you can hold back technological progress by pretending it isn't happening. I started out as a shortwave listener. For much of the time, I am still a shortwave listener. But I am not going to shut my eyes and ears to the other methods of program delivery which are now a reality. Being involved behind the scenes with one program on one international station, I know how much toil and sweat goes into producing each weekly edition. People who go to all that trouble deserve to have their efforts rewarded with the best possible reception.

What does all this mean for the dedicated shortwave listener? Well, nobody is going to force you to stop listening to shortwave. But gradually you

are going to notice that some of the things you used to take for granted are not there any more. They will have moved to satellite, or to AM or FM stations which pick up the satellite signals and rebroadcast them.

Let me give you an example of the sort of changes that are taking place. A friend of mine as just returned from Bulgaria where he has been doing some radio consultancy work. Five years ago, people there would have been obliged to listen to Radio Free Europe on SW.

Now there are FM relay stations in nine Bulgarian cities, and no doubt more will be installed in the future. People are listening to FM anyway, because quite a lot of private commercial stations have started broadcasting there. Meanwhile, a different sort of class system is developing. For about seven million Bulgarians, the quality of life has probably changed very little, because they are still earning very low wages. But there are another two million or so who form what we might term the upper class, earning wages on a par with many western countries, and able to afford consumer goods which are a luxury for the rest of the population. Many of them already have satellite systems and because of Bulgaria's location they tend to use large steerable dishes which can pick up a variety of satellites.

I venture to suggest that few, if any, of these people, listen to shortwave nowadays. Wealth brings influence, and these are the business leaders and opinion forgers of the present and future. As such, they're the people the international broadcasters want to reach. Clearly, any international broadcaster who only use SW to broadcast to Bulgaria is now at a major disadvantage compared to those who already have an FM presence, namely the BBC, RFI, DW, RFE and VOA.

This, of course, is not necessarily a bad thing. For as long as I can remember, a significant number of low power domestic shortwave stations on the high frequency bands have been difficult or impossible to hear due to strong signals from international broadcasters. As some of the international broadcasts signals disappear from shortwave, or have their hours cut back such as Swiss Radio International is about to do for its European audience, stations that have been buried for years under interference may become audible again, providing new listening challenges for the shortwave enthusiast.

Running 500 kW shortwave transmitters is an expensive business. Even RTL in Luxembourg, a commercial organization with substantial resources, has reduced hours of transmission on 6090 khz for that very reason. Now at 1700 UTC I can hear Alma Ata, Kazakhstan with a programme in English, and also on the frequency are stations in Liberia and Nigeria which were previously blocked by RTL.

For the International Broadcasters, in many cases replacing shortwave transmissions with satellite for target areas such as Europe make economic sense, and enables the shortwave transmitters to be redeployed for services to other areas where listeners still depend primarily on shortwave. Even in those areas, things are changing, if more slowly. In Niger, for example, a network of FM transmitters is developing for the domestic service, fed by a satellite signal. At some time in the future, when one of the shortwave transmitters breaks down, a decision will have to be made about whether the cost of fixing it is justified, or whether it should be taken out of service. Once a country stops using shortwave for its domestic broadcasting, more effort is required on the part of international broadcasters to interest people still tuning to shortwave with its inferior reception quality. Hence the interest in getting FM relays on the air, in other words, going where the listeners are rather than crying out in the wilderness.

There is, I have to say, a lot of hypocrisy amongst the shortwave listening fraternity. They frequently complain that the international broadcasters block the frequencies of stations they are trying to hear, but the moment there is even a possibility that an international broadcaster might make cutbacks on shortwave, they call for people to write letters demanding that the plan be scrapped. More often than not, it is out of self interest rather than a real concern for the station or the country it represents. I don't think it is any coincidence that the strongest opposition to cuts always related to those stations which have DX or media programs. The current fuss about SRI's reorganization is a perfect example. I bet the two Bobs have never had so much mail!

Well, I've got news for you. Writing to some stations telling them how much you enjoy their DX program could have the opposite effect to the one you intend. It is precisely because the management at some stations imagine their shortwave audience to be techno freaks that the cuts are proposed in the first place. Make some intelligent

comments on their news coverage or other feature material, and your views are much more likely to be taken seriously.

Another thing, how often have you been trying to receive a broadcast on shortwave from a Third World country only to have reception ruined by heavy interference from a European station carrying a program intended for listeners thousands of miles away? Would you seriously suggest that a reduction in the amount of such interference is going to spoil your listening? I'd have thought exactly the opposite.

For English-speaking Europeans interested in international broadcasting, one of the most important developments recently has been the launch of the World Radio Network on the Astra satellite, providing studio quality reception of a variety of international broadcasters, some of which are difficult to pick up reliably on shortwave. Taking a look at their schedule, we find many international broadcasters.

A similar service is provided on satellite for North America, and WRN says it has plans to start an equivalent service for German listeners. Also, via a different audio subcarrier WRN is providing a relay of RTE Radio One from Ireland. Now all this can be picked up on any Astra receiving system, the same one that you use to pick up the TV services.

One argument sometimes put to me by SWLs is that they can't afford the equipment necessary to receive satellite broadcasts. As far as Europe is concerned in many cases this is not a valid argument. A system capable of picking up the Astra satellite in most parts of Western Europe costs considerably less than a decent table-top communications receiver. Plus, you get pictures too! I doubt that the people who say it's too expensive have ever sat down seriously and worked it out. Remember, too, that cable systems are expanding in numbers and capacity, and in urban areas there is potential for these to carry international broadcasts as part of their subscription package. For example, WRN recently went on the Amsterdam cable system, one of the largest in Europe.

But even if it's true that most SWLs can't afford a satellite system, is that a good reason to discourage satellite broadcasting? Of course not. I can't afford to buy a Rolls Royce car, but I don't expect Rolls Royce to stop manufacturing or advertising their cars for the benefit of those who can! I can't

afford a holiday in Hawaii, but I don't blame those who can from taking the opportunity.

Now, I am not here to speak to you like an Evangelist. There are plenty of those on the air already. If you are simply not interested in satellite broadcasting, fair enough, that's your choice. But what really irritates me is when I receive letters from SWLs claiming there's no justification for including satellites in the WRTH. You only have to look at traffic on the international computer network to see the amount of interest in the different electronic media. There are far more people participating in the conferences about satellite broadcasting than in the ones related to shortwave. And the vast majority of them ordinary enthusiasts, not professionals.

When we launched the WRTH Satellite Broadcasting Guide a few months ago, sales took off far quicker than any SW related publication we have ever produced, with the exception of the WRTH itself. By the end of February, the first printing was sold out and we have done a reprint. Our publisher was so pleased with sales that he has asked us to produce a 1995 edition and it will now become annual. Jens Frost told me he has found it far easier to sell the Satellite Broadcasting Guide than the Equipment Buyers Guide, which is a SW based book. So we know there's a market out there, and no amount of letters from SW listeners will change that fact.

You, the SWLs of Europe, are part of a very important core readership of the WRTH. We recognize this, we appreciate the help and support we have received over the years, and we do not intend to abandon you. As long as there are shortwave stations on the air, and people who want to listen to them, WRTH will continue to provide the information you have come to expect from us. The problem for us, as publishers, is that shortwave is not getting bigger. Any business needs growth to remain profitable. For us, that growth is in the satellite market. It seems inevitable that at some-time in the future, satellite broadcasters and enthusiasts will become the primary readership of the handbook, and will outnumber those interested primarily in shortwave. Serving the satellite market will ensure that the WRTH operation remains profitable and can provide information on all media, including shortwave, at an affordable price just as using satellites for broadcasting to areas such as Europe will, as a bonus, help to ensure the continuation of shortwave for those who depend on them.



Latin Destinations

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Hola amigos! Whether you like to DX small tropical band stations or listen to the larger broadcasters, Peru should provide something interesting in the next month as a very unusual presidential campaign there heads towards a climax in the April 9th elections. The roots to this election go back to 1990, when just weeks before the election well-known Peruvian writer Mario Vargas Llosa, running under a conservative coalition ticket, was the hands-on favorite to win. No one else was even close. (Vargas is the author of the Peruvian radio novel "Aunt Julia and the Scriptwriter.") Then out of nowhere, came the independent candidacy of Alberto Fujimori, a university professor of Japanese descent. Two months before the election, few besides Fujimori's students and neighbors would have known who he was. But, in the April election, Fujimori came in a strong second and denied Vargas the necessary 50% for an outright victory, forcing a June run-off. The Fujimori tidal wave continued, and he won the run-off with 56% of the vote.

A TOUGH JOB

Being president of Peru was certainly going to be a lot more demanding than giving lectures and grading papers. The economy had shrunk by about a fifth in the previous two years and prices had increased by 20,000 percent in the previous five. Unemployment and underemployment, always a problem in Latin America, were especially high. Corruption was rampant. And the Maoist Shining Path Guerrilla movement and the smaller Tupac Amaru movement were operating in almost all parts of the country, including Lima itself. Vargas' solution for Peru's economic troubles had been some serious conservative fiscal medicine and Fujimori had won by campaigning against this. But upon taking office, he proposed the exact same measures that Vargas had endorsed. As everyone feared, the economy was thrown into a real roller-coaster, but Fujimori gained some key support. As

Fujimori was not associated with any political party, however, he had little support in congress and trouble making all his proposals a reality. He also made enemies by going after corrupt politicians, including his predecessor Alan Garcia, who was found to have embezzled millions of dollars while in office. Citing on-going economic troubles, political corruption, and the guerrilla war as reasons, in April, 1992, Fujimori dissolved congress, suspended the constitution, and imposed censorship. He became a sort of elected dictator in the eyes of many, including foreign governments who began to shun Peru. Yet, the economic measures he pushed through began to work. Meanwhile, he gave the army a free hand in dealing with the guerrillas. It was brutal, but they were winning. The capture of the Sendero's main leader in a Lima safehouse helped fragment the guerrillas, who were soon defecting by the hundreds.

Today, the guerrillas have all but been defeated and Peru has the fastest growing, most dynamic economy in Latin America, perhaps the world. Inflation was down to eighteen percent last year, and should be under twelve this year. But, while upper-class areas of Lima and other cities are thriving, most of the "Peruvian Miracle" has not filtered down. At ten percent, unemployment is higher than when Fujimori took office, and around 75% of Peruvians are considered to be underemployed. Many previously middle-class people have joined the ranks of the poor. Extreme poverty has risen from 20% to at least 30%. Yet, ever since Fujimori dissolved congress and took on the big problems, he has enjoyed solid political support of over half the population, sometimes much more.

Is Fujimori a dictator? Some say he is, but obviously many Peruvians don't care. After dissolving congress, Fujimori called elections for a national assembly to write a

new constitution. Then, elections were held for the public to ratify the new constitution. Other elections were held for municipal offices across the country. In not one of these three elections were there any serious allegations of tampering and Fujimori's forces won in each one. Now, Fujimori himself is running for reelection. The old constitution forbade presidents being reelected, but the new one dropped that provision. Fifteen candidates are running against him, the main ones being former UN Secretary-General Javier Perez de Cuellar and Alejandro Toledo, a Lima economist who, like Fujimori five years ago, came out of nowhere onto the political scene last fall. However, Perez de Cuellar has trouble cracking 20 or 25 percent in the polls, and Toledo hovers around ten percent, while Fujimori consistently polls well over the fifty percent he needs for a first-round victory. Both Perez de Cuellar and Toledo are running as independents, as are a few minor candidates. For all purposes, it is an election without political parties, at least at the presidential level!

A MARITAL SPAT

Several months ago, the election turned into a real soap opera, when Fujimori's wife, Susana Higuchi, decided to divorce her husband and denounced him for his high-handed politics. At one point, Fujimori and the children (who remained loyal to their father) were living in the Ministry of Defense building while Higuchi was still in the Presidential Palace because guards, apparently under orders, wouldn't let her leave. The real bombshell came when Higuchi announced that she was planning to run against her husband for president. Polls gave her little support, and Fujimori's government pointed out that the new constitution included a clause prohibiting relatives of the president from running for office. Did Fujimori have ESP, some wondered? But Higuchi's supporters countered that if she divorces him she is no longer a relative and gathered the necessary signatures to put her on the ballot. But then something strange happened. The night before the deadline when they were to present their petitions to the National Election Board, there was an unexplained blackout only on the one block where Higuchi's headquarters was. And somehow

all the necessary accompanying documentation and records on their computer system got erased. Sorry, no extension, the Election Board said, quashing any possibility of a husband-wife showdown for president. Since then, however, Higuchi's supporters have formed an alliance with a federation of retired military and police and she is running for congress - although the issue of whether or not she can legally do this as a presidential relative was still undetermined the last I heard.

So what does this mean for the listener? Certainly there should be some good analysis on the major broadcasters on the days leading up to and following the election. And, if you tune in to Peru's tropical band stations, expect to hear lots of lengthy impassioned speeches in the evenings for the next month, and strings of political ads at all times of day. Speeches will generally be live, with crowd noise, clapping, etc, in the background. So far this has been a very cut-throat election, and all signs are that that won't change. In fact, in early December when a civic organization attempted to get the candidates to sign an "Honor Pact" to campaign cleanly and without violence and to not bring in other candidates' personal lives, only six candidates would agree to sign it, with Alejandro Toledo the only one of the big three. Fujimori is very opportunistic, so who knows what he may do. Some have even accused him of intentionally starting the current border conflict with Ecuador as a way to gather more political support under a patriotic banner.

Unfortunately, politicians don't tend to give station identifications during their speeches, however, so IDing who you're hearing may be more difficult! One station you won't hear any election coverage from, however, is Radio Nacional. The election board has forbidden the government radio and TV station from airing anything that might be construed as support for any candidate. So amigos, go after some Peruvian DX in the next month to feel the atmosphere of presidential politics, Peruvian style. Hasta luego, Don.

Walking Through Your Receiver (Part 5—The End)

We continue our incredible journey through the WJ HF-1000. This time we will see what the IF amplifier does to the signal before it is detected. We will also look at four different types of detectors: the envelope detector, the product detector, the synchronous detector, and the HF-1000 approach which implements the detection function with Digital Signal Processing (DSP) technology.

Figure 8 shows the HF-1000 IF amplifier schematic. The signal enters the 40.455 MHz filter which we described in part 4. This filter selects the correct output from the mixer. The signal then passes through another amplifier, a low pass filter to further reduce image frequency response, and the RF gain control variable attenuator. The signal then

encounters another mixer. Remember the mixer is shown as a circle with an "X" in it.

Here the signal is converted to a lower IF frequency. The other input to this second mixer is a 40 MHz signal that is the fourth harmonic of the 10 MHz receiver reference oscillator. The difference frequency output is 455 kHz. The signal is then further amplified.

Why the second IF frequency? Remember our discussion in Part 4? If you have too much gain at any one frequency, you run the risk that the receiver will become a very expensive oscillator. So the HF-1000 designers decided to distribute the gain between two widely separated IF frequencies. The 455 kHz frequency is a standard IF in almost all receivers built since 1940.

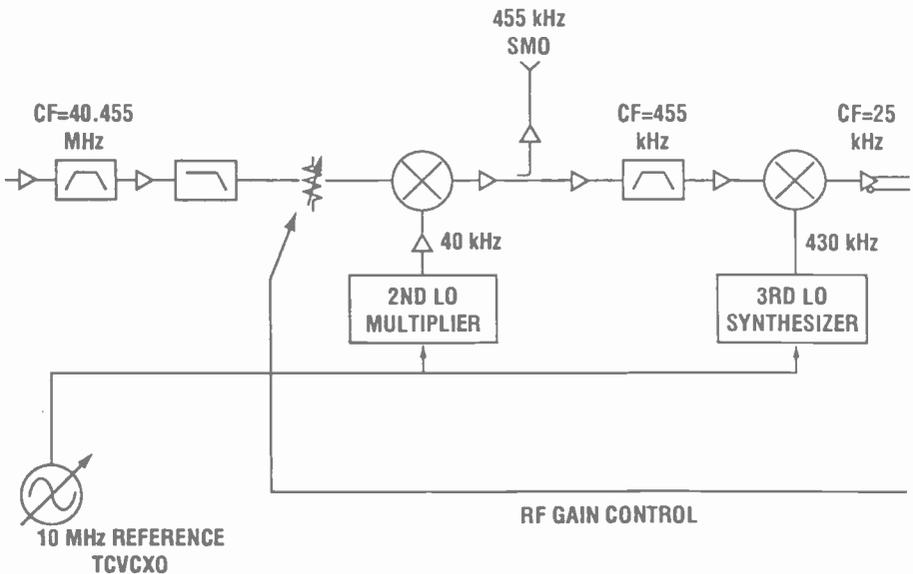


Figure 8. The HF-1000 converts the signal down to a 25 kHz center frequency that the digital circuits in the DSP function can convert to a series of numbers for computer processing

Another bandpass filter centered at 455KHz selects the correct mixer output. In a conventional receiver this filter sets the receiver's selectivity. Here the design of the HF-1000 departs from conventional radios. In the HF-1000 the bandwidth is determined by the DSP function. A third mixer uses an LO of 430KHz to mix the IF signal down to 25KHz ($455\text{KHz} - 430\text{KHz} = 25\text{KHz}$).

Now the frequency is low enough that digital logic circuits can sample the signal, convert each sample to a number, and process the numbers in a high speed computer according to rules placed in the computer's memory by the design engineers. These rules are referred to as "algorithms". They tell the computer how to process the signal to limit the bandwidth to a selected value and strip the modulated information from the signal.

I do not know how these algorithms do their job. The equations that tell the computer how to operate are proprietary to each manufacturer. One nice feature of DSP technology is that if the designer decides to modify the receiver's performance, all he must do is build a new equation and burn it into the read-only memory (ROM) which controls the DSP function.

Let's look now at how conventional radios detect signals. The most common early radios, called crystal sets, consisted of a diode rectifier and a capacitor that worked together to strip off the "envelope" of the variations in amplitude of the received carrier.

Most AM radios use this same technique today. The diode detector uses few components and is, therefore, inexpensive. If the capacitor value is chosen correctly the diode detector is capable of reasonably low distortion when signals are strong and steady.

Diode detectors depend on the transmitted carrier level and phase relationship to the sidebands being just right. When fading is encountered, distortion can occur due to the carrier and sidebands each fading different amounts at different times. This is known as "selective fading" and is a major impediment to hi-fi reception of short-wave signals regardless of how strong those signals are.

With the advent of single-sideband (SSB) techniques, a new detector was required to recover the intelligence. The diode needs a carrier and conventional SSB suppresses the carrier. Behold the invention of the "product detector". (WARNING: Product detectors will not help to recover intelligence from the majority of commercial short-wave broadcasts emanating from the USA.)

The product detector is really just a mixer. Its purpose is to convert the IF frequency down to baseband audio. To do this a local oscillator (LO) is inserted at a precise frequency offset from the sidebands so the audio frequencies are correctly recovered on the original pitch. Detuning the LO even as little as 100Hz from the correct frequency results in a "Donald Duck" effect on voice and makes music sound really strange.

To recover music, the LO must be within 10Hz and musicians would argue that it should be closer. This type of detector requires extreme stability of the LO and transmitter frequencies.

Doppler-induced frequency shifts caused by changing path length can also cause distortions with this type of detector. As the ionosphere rises and falls, the path length can shift rapidly. Consequently, the source appears to be moving rapidly toward and then away from the receiver.

With an AM signal and envelope detection, the listener doesn't notice the Doppler shift because the carrier and sidebands shift together. With SSB transmission, the LO is fixed while the side-bands shift in frequency due to Doppler. This effect becomes worse as frequency rises and under multipath conditions.

The shift of a few Hz is noticeable to musicians with perfect pitch. So even with a perfectly stable transmitter and receiver, there can still be some frequency distortion on skywave-propagated signals on SSB using a product detector.

A product detector can also be used to recover conventional AM transmissions but most listeners find the adjustment of the tuning to

be so critical that normally this type of detection is not used with full carrier AM.

Amateurs in the 1950's experimented with double-sideband, (DSB) suppressed-carrier transmissions. It was relatively easy to generate compared to SSB. Simple modifications to existing transmitters produced DSB mode signals. The absence of a carrier reduced both average power requirements and adjacent channel heterodynes. Product detectors were successfully used to recover this kind of modulation. No short-wave broadcasters use this mode today although many achieve similar results by reducing the carrier power by 6dB or 3/4 during pauses in speech.

Many of the problems, using product detectors for AM reception, are overcome by the "synchronous detector". A sync detector is simply a product detector with a feedback circuit that keeps the LO precisely locked in phase with the incoming carrier. Fades in the carrier do not change the LO amplitude and, therefore, you do not get the distortion that occurs with diode detectors during fading.

If the carrier fades too deeply, then the LO feedback loop will go out of lock. Frequency distortion will result as the LO returns to its rest frequency. Designing the gain control time constants and tracking loop bandwidths to minimize the breaking of lock under a wide variety of short-wave fading conditions is a real challenge for the receiver circuit designer. That is why some manufacturer's sync detectors work better than others.

Because it is hard to simulate a fading HF channel in the laboratory, you will normally not find sync detector performance under such conditions in quantitative receiver reviews. The break-lock performance is also a function of how closely the LO rest frequency is to the locked frequency. If the loop is required to pull the oscillator farther, the loop will be under stress and more likely to break lock during a fade.

Sync detectors can be designed to cancel an unwanted sideband. This capability is useful for eliminating interference on one sideband while still providing the fade immunity of the sync detector.

Sync detectors under ideal conditions can enhance the recovered signal-to-noise ratio by 3dB on a double-sideband signal compared to working with only one sideband. In double-sideband AM the energy in each sideband is the mirror image of the other sideband. This causes the sync detector to add the two sidebands in a coherent manner. The signal voltage doubles (6 dB increase). The noise components in each sideband are randomly related. They do not combine as efficiently. The noise goes up by only 3dB when the bandwidth doubles. The net result is that the signal to noise ratio can go up by 3dB with the use of a sync detector.

Watkins-Johnson did not have a sync detector function implemented in its original HF-1000 DSP design. By popular demand they are retrofitting early models. The DSP algorithms are modified to make the DSP computer emulate a sync detector.

After the detector, all radios have some form of audio level control and audio amplification. These circuits are important contributors to the overall pleasure one derives in using a receiver for program listening or for DXing. Good program listening audio may not be good DXing audio. There is little one can get from specification sheets about how a radio will sound. The speaker size and cabinet material are big swingers. You just have to listen and decide for yourself if the fidelity is to your liking and the distortion tolerable. My personal modern favorites are the Drake R8, the Sony 2010, and the Lowe HF-150. I really like the sound of an old Hallicrafter's model with a pair of 6V6's in push-pull for its 10 watt audio output. I'm not going to tell you which one it is because I don't have one yet and don't want to drive up the price. There is also a push-pull audio amplifier modification for the Collins R-390A which sounds great.

Well that concludes the journey through the super heterodyne receiver. I hope you found the trip interesting and maybe learned something. I'm looking forward to seeing you all in Kulpsville.

Until next time, stay tuned.



Listener's Notebook

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PLAIN-TEXT NOTE FOR THE HINT IMPAIRED I have alluded in previous columns to my need for someone (anyone!) to transcribe newsy bits from both World of Radio and Media Network. Since no one has come forth to shoulder this terrible burden, I must implore you directly: HELP!!! What trouble would it be? You already jot the good stuff down for yourselves; just make a copy for me and your fellow NASWAns. I know it looks like a magazine, but this is, after all, a club...of which all of you, after all, are members. Remember? As extra incentive, I will send the first person who volunteers to send each program's tips a full box of Freihofer's Chocolate Chip Cookies!! Those in the know will immediately realize what a princely offer this is. I await your frenzied replies.

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ANGOLA Radio Nacional-Luanda heard at 1900 in Portuguese on 11955, by 2300 the 3375 and 4950 outlets were heard in parallel. (Sellers 1-28, NU #1309) At around 0300, it's possible to hear 3375, 4950, 7245 and 11955 all at once! (Lobdell)

The Lusaka protocol says that the Voice of Resistance of the Black Cockerel, Vorgan, radio station can broadcast for 270 days after the signing of the protocol. After that period, Vorgan should be legalized in terms of the current law on news media. [Video shows Vorgan studios and facilities, including the station building, a mobile studio and an antenna tower]. (Angolan TV/BBCM)

BOLIVIA Radio Perla del Acre, 4600, noted quite strong these days around 1000 with Spanish IDs, talks and pop music, fading by 1045. (Lobdell)

9624.96, Radio Fides, 1130-1154, Canned ad by M for Banco Nacional de Bolivia, live M w/TC, ID, and what appeared to be LA nx (mostly CP). Ads every few minutes. Fairly good w/some QSB. Tnx John Wilkins tip. (07-Feb/Dave Valko/Hans Johnson)

BOSNIA-HERCEGOVINA Serb Republic Radio, the Bosnian Serbs' external service

which emanates from the Bijeljina transmitting station in northeast Bosnia-Herzegovina, has been unheard since 13th January.

Shortwave broadcasts from the Belgrade-based Radio Yugoslavia, which also uses the transmitters at Bijeljina, have also been disrupted recently; observations indicate that all of Radio Yugoslavia's transmissions may be off the air with the exception of those on 6100 kHz. It is not known whether these transmissions on 6100 kHz emanate from Bijeljina or from transmitters in Serbia itself. The first program of the Radio Belgrade domestic service continues to be heard on its usual shortwave frequency of 7200 kHz, from an unknown site. (BBCM)

BRAZIL Radiobras sked:

1000-1120	Spanish	9745
1200-1320	English	15445
1630-1750	Portuguese	15265
1800-1920	English	15265
1800-1920	Portuguese	17750
1930-2050	German	15265

(BBCM)

BURUNDI Radio Burundi has reactivated 6140 kHz as of 22nd January, from where it's been absent since April 1994. (BBCM). Radio Burundi, reactivated, noted tentatively here

on 6140 at 0300 sign on. Strong carrier but weak modulation. (Valco, Johnson, Rippel, Jihad DX #20). Frequency noted was 6140.06. (10-Feb/Chuck Rippel)

CANADA The Canadian Forces Network noted at 0300-0330 on 5920 kHz. Assume this is via RCI, though not listed. (03-Feb/Jill Dybka/Internet)

CENTRAL AFRICAN REPUBLIC Radio Centrafrique sked, various languages:

0430-0730 5035v
0730-1655 7220v
1655-2400 5035v

(BBCM)

CHILE Radio Santa Maria 6029.6 0908 best ever with news and ID. Also noted Radio Patagonia Chilena 6080.1 at the same time. (06-Feb/Hans Johnson)

CHINA Central People's Broadcasting Station (CPBS) station identification in Standard Chinese for both First and Second Programs: "Zhongyang Renmin Guangbo Diantai Xianzai Kaishi Dui Taiwan Guangbo" ("This is the Central People's Broadcasting Station. We now begin our broadcast to Taiwan"). First Program: "Di Yi Tao Jiemu" ("This is the First Program"). Second Program: "Di Er Tao Jiemu" ("This is the Second Program").

CPBS Taiwan service First Program:

0055-0130	Chinese	15710 11935 11100
0130-0200	Amoy	15710 11935 11100
0200-0330	Chinese	15710 11935 11100
0330-0400	Amoy	15710 11935 11100
0400-0430	Chinese	15710 11935 11100
0430-0445	Hakka	15710 11935 11100
0445-0610	Chinese	15710 11935 11100
0955-1100	Chinese	11935 11100 9380 3815
1100-1130	Chinese	11100 9380 7620 3815
1130-1200	Amoy	9380 7260 6015
1200-1315	Chinese	9380 7260 6015
1315-1330	Hakka	7620 6015 5125 3815
1330-1630	Chinese	7620 6015 5125 3815
1630-1700	Amoy	7620 6015 5125 3815
1700-1730	Chinese	7620 6015 5125 3815
1730-1800	Hakka	7620 6015 5125 3815
1800-2030	Chinese	7620 6015 5125 3815
2030-2100	Amoy	7620 6015 5125 3815
2100-2130	Chinese	7620 6015 5125 3815
2130-2145	Hakka	7620 6015 5125 3815

2145-2230	Chinese	7620 6015 5125 3815
2230-2345	Chinese	7620 6015 5125 3815
2345-2359	Hakka	7620 6015 5125 3815
2359-0004	Chinese	7620 6015 5125 3815

CPBS Taiwan service Second Program:

0355-0545	Chinese	15880 11000 (We-Mo)
0545-0600	Hakka	15880 11000 (We-Mo)
0600-0605	Chinese	15880 11000 (We-Mo)
0605-0700	Chinese	15880 11000 (We-Mo)
0700-0730	Amoy	15880 11000 (We-Mo)
0730-0900	Chinese	15880 11000 (We-Mo)
0900-0930	Amoy	15880 11000 (We-Mo)
0930-0955	Chinese	15880 11000 (We-Mo)
0955-1015	Chinese	15880 11000 6095
1015-1030	Hakka	15880 11000 6095
1030-1045	Chinese	15880 11000 6095
1045-1100	Chinese	11000 9170 6095
1100-1130	Amoy	11000 9170 6095
1130-1300	Chinese	9170 6790 6095
1300-1315	Hakka	9170 6790 6095
1315-1400	Chinese	9170 6790 6095
1400-1430	Amoy	9170 6790 6095
1430-1515	Chinese	9170 6790 6095
1515-1600	Chinese	9170 6970 6095
1600-1615	Hakka	9170 6970 6095
1615-1804	Chinese	9170 6970 6095
2055-2100	Chinese	6790 5090
2100-2130	Amoy	6790 5090
2130-2300	Chinese	6790 5090
2300-2315	Hakka	11000 5090
2315-2330	Chinese	6790 5090
2330-0104	Chinese	11000 9170

(BBCM)

Sked of the Neimenggu (Inner Mongolia) PBS (Chinese Service) "Neimenggu renmin guangbo diantai".

0015-0550	Chinese	6045 3970
0955-1520	Chinese	6045 3970
2200-2400	Chinese	6045 3970

(BBCM)

CHINA-TAIWAN Voice of Free China sked:

0000-0200	Chinese	15215 11825
0100-0200	Cantonese	5950
0100-0200	Japanese	15345 11745
0200-0300	English	15345 11825 11740
		9680 7130 5950
0200-0300	Spanish	15215 11825
0300-0400	Amoy	11915 7130
0300-0400	Cantonese	11740
0300-0400	English	15345 11825 11745
		9680 5950
0400-0500	Chinese	15345 15270 11825
		9680 7130 5950
0400-0500	Spanish	11740
0500-0600	Cantonese	15345 15270 11915
		11825 9680 5950

0600-0700	Amoy	5950
0600-0700	Indonesian	11860 11825 7130
0600-0700	Thai	15345 15270
0700-0800	English	5950
0900-1000	Chinese	15345 15270 11915 11745 9610 7445 7285 7130
1000-1100	Amoy	15345 15270 11745 9610 7130
1000-1100	Cantonese	11915 7445 7285
1100-1200	Cantonese	15270 9610
1100-1200	Hakka	15345 11860
1100-1200	Japanese	11745 7130
1200-1300	Chinese	15270 11745
1200-1300	English	9610 7130
1200-1300	Indonesian	15345 11915
1300-1400	Cantonese	15345 11915
1300-1400	Japanese	11745 7130
1400-1500	Amoy	11745 7130
1400-1500	Hakka	15345 11915
1500-1600	Thai	9610 7130
1500-1600	Vietnamese	15345 11915
1900-2000	Chinese	17845 9955 9850
1900-2000	German	9610
2000-2100	Arabic	15270 9955
2000-2100	French	9850 9610 5810
2100-2200	German	9850 5810
2100-2200	Spanish	15270
2200-2300	English	9850 5810
2200-2300	Thai	15345 7445
2300-0000	Spanish	11720 9745

Voice of Asia

0500-0700	Chinese	7285
0900-1100	Chinese	9280
1100-1200	Englisl.	7445
1200-1300	Indonesian	7445
1300-1445	Chinese	7445
1450-1500	Chinese	7445
1500-1600	Thai	7445
1600-1700	Indonesian	7445

(BBCM)

CIS Radio Vedo has the following schedule:

0500-0900 on 5915 and 1500-1900 on 13710 kHz in Russian (Martin-Australia/OZDX #99)

Khabarovsk Radio:

0000-1800	Russian	7210
2000-2400	Russian	7210

Local programming from 0200-0300, 0930-1100, 2010-2100, 2110-2200 and 2210-2300; all other times relays Radio Russia. (BBCM)

Chita Radio operates from 2000-1800 on 4860; local programs 1000-1100, 1120-1200, 2110-2200 and 2210-2300; relays Radio Russia all other times. (BBCM)

Radio Tashkent English transmission schedule:

0100-0130	English	5955 5975 7285
1200-1230	English	6025 9715 13785
1330-1400	English	6025 9715 13785
1930-2000	German	5035 5060 7105 9540 11905 13800
2100-2130	German	5035 5060 7105 9540 11905 13800

(RVI Radio World/Cees van Oudheusden-Netherlands/Jan Nieuwenhuis-BDXC editor)

Radio Intercontinental, the Armenian station whose output mainly consists of relays of programs in English and German from Christian organizations, is now heard with an additional broadcast in German at 1000-1030 on 15275 kHz. (BBCM)

On the evening of 31st January the transmitter on 4957.5 kHz which normally carries programs from Azerbaijan Radio's domestic and external services was observed to be relaying programs from BBC World Service. Between 1930-2000 it carried the BBC Russian service and at 2000 it switched to a relay of the BBC for Europe service in English. An announcement in English at 2040 stated: "This is BBC World Service in English for Azerbaijan."

BBC World Service recently arranged the rebroadcasting of some of its services in Azerbaijan from this site, but shortwave was not mentioned. (BBCM)

CLANDESTINE La Voz de Chiapas Libre /La Voz de Guatemala Mayan, international tropical and AM band outlet, are soon to begin portable operations in either NW Guatemala, NE Chiapas or NC Chiapas. Because these mobile SS language programs will depend on battery power, the maximum hours of operation will be 1200-0300 UTC, due to power limitations and the need to circumvent both nations' monitoring of these propagandists hours will be irregular. In deference to radio hobbyists worldwide, we will attempt some special DX programs that would include an EE cassette prepared by a DX hobbyist. Starting Feb. 1, 1995 reception reports are solicited for both "Voz" (propaganda) and SS

supply data/voice utility broadcasts as troops in Chiapas and Guatemala are resupplied by Mayan allies. One trusts that not providing frequencies will be understood. Jay Murley of San Diego CA 92143-4106 will handle all QSL reports ..." (Tijuana statement/Jay Murley/Manual Rodriguez/Hans Johnson) [Hint to Tijuana source: mentioning a frequency might generate a higher percentage of reception reports.—AQ]

National Radio of the Saharan Arab Democratic Republic (Arabic: al-Idha'at al-Wataniyah li al-Jumhuriyah al-Arabiyyah al-Sahrawiyah al-Dimuqratiyyah) supports the Polisario Front and is hostile to Moroccan policy on the Western Sahara issue.

0000-0100	Spanish	11610*
0600-0800	Arabic	11610* (Sa-Th)
0700-0900	Arabic	11610* (Fr only)
1800-2400	Arabic	11610

* unconfirmed

[I believe the 1544 mediumwave channel has also been widely noted.—AQ] (BBCM)

Radio Message of Freedom, the station operated on 7090 kHz by the Hezb-e Eslami (Islamic Party) of Afghanistan led by Golboddin Hekmatyar, was unheard for its scheduled 0730 broadcast on 14th February. This non-reception of Radio Message of Freedom follows reports that Hekmatyar's headquarters at Charasiab on the southern outskirts of Kabul were captured late on 13th February by combined forces of the religious student militia known as Taliban and units loyal to President Rabbani. (BBCM)

Voice of Free Tajikistan announced at the start of its 0600 transmission on 30th January that it broadcast daily at 0300, 0600, 0900 and 1100 UTC on 6875, 6890 and 7080 kHz. Only the use of 7080 kHz has been confirmed. Broadcasts are around 40 minutes long. (BBCM). Voice of Free Tajikistan in Tadjik with ID "... Tadjikistane Ozod" broadcasts on 7080 kHz from 0300 to 0400. Nice signal. (Stanislav Mekhonoshin—Russia/Mathias Kropf—UK/WDXC Contact)

Voice of Independent Kashmir 4115 1547 ID and programming in Kashmiri. (30Jan/Hans Johnson—Hawaii)

Voice of Kashmir Freedom (Urdu: "Sada-i Hurriyat-i Kashmir") is opposed to Indian control over Kashmir. Programs start with a recitation and interpretation of the Koran. It is assumed that the station operates from Pakistan. It has announced an address of PO Box 102, Muzaffarabad, Azad Kashmir, via Pakistan. In the past the station has used 4080, 5000, 5900 and 7375 kHz. Two or three frequencies used may be used at any one time, but programming on them may not always be in parallel. In February 1995 the transmitter on 5750 kHz was operating in AM mode and the transmitters on 5300 and 6300 kHz in upper sideband mode. Programs are in Urdu, Kashmiri and English, with English confirmed only on the first broadcast.

0230-0330	6300 5300
0700-0800	6300 5750 5300
1100-1200	6300 5750 5300
1430-1530	6300 5750 5300
1630-1730	6300 5750 5300

(BBCM)

Voice of Human Rights and Freedom for Iran is sked:

0230-0425	9380
0600-0645	15150
1545-1625	9255
1630-1825	9270 11470

Address is: Manouchehr Ganji, 18 bis, rue Violet, 75017 Paris, France. (Stanislav Mek—Russia/Mathias Kropf—UK/WDXC Contact)

Voice of Iranian Kurdistan broadcasts on 4282 kHz from 0315 to 0430. (Stanislav Mek—Russia/Mathias Kropf—UK/WDXC Contact)

The Voice of Iraqi Kurdistan (Kurdish: Aira Dengi Kurdistana Iraqiya) broadcasts in support of the Kurdistan Democratic Party (KDP) and its leader Mas'ud Barzani.

0345-0500	Kurdish/Arabic	4180v 1610
1345-1530	Kurdish	4180v 1610
1530-1600	Arabic	4180v 1610

(BBCM)

Voice of Islam, Voice of the Islamic Movement in Iraqi Kurdistan (Arabic: Sawt al-Islam, Sawt al-Harakah al-Islamiyah fi Kurdistan al-Iraq):

0430-0530	Kurdish	6285v 4400v 4110v
0530-0600	Arabic	6285v 4400v 4110v

1330-1430 Kurdish 6285v 4400v 4110v
 1430-1500 Arabic 6285v 4400v 4110v
 (BBCM)

The pro-Polish Voice of the Free Sahara program has been heard again via Radio Algiers International. Voice of the Free Sahara is heard at 2200-2300 on 9640 and 15215 kHz, the same times and frequencies as before. Programming is in Arabic and Spanish. (BBCM)

Voice of the Iranian Communist Party (Persian: "Seda-ye Hezb-e Komonist-eIran"):
 0430-0530 Persian 6400-6420v 3870-3910v
 (Fr only)
 1700-1800 Persian 6400-6420v 3870-3910v
 (BBCM)

Voice of the Communist Party of Iran 6419 heard in Farsi with id at 1711. (Hans Johnson—Hawaii)

Voice of the Iranian Revolution 3888v, 6420v 1430-1530 in Farsi. (Mekhonoshin via Mathias Kropf)

Voice of the Iraqi People (Arabic: Idha'at Sawt al-Sha'b al-Iraqi; Surani Kurdish: Ere deng-y gel-y Iraqe)
 0300-0500 Arabic 7095v 3915v
 1500-1645 Kurdish 7095v 3915v
 1700-1745 Arabic 7095v 3910v
 (BBCM)

Voice of the Mojahed moved from 6005 (which was a very stable frequency) to 6020 kHz. (Stanislav Mek—Russia/Mathias Kropf—UK/WDXC Contact)

COLOMBIA 4680.5H CARACOL 1111-1115 1/14 w/ CARACOL pgm // 810 kHz. Many possibilities of who this could be—3x1560, 4x1170, 6x780. I suspect Cartagena on 1170. (Don Moore—Venezuela)

Newly reactivated on 4955 kHz is Radio Nacional de Colombia. Finn Krone reports hearing them around 2230-0000 identifying in Spanish as "Canal Internacional" of Colombian national radio. They're looking for reception reports to: Radiodifusora Nacional de Colombia, Radio Canal Internacional, PO Box 93994, Bogota (01-Feb/HCJB DX Partyline & 12-Feb/AWR Wavescan/BBCM)

Radio Ecos del Cobeima on 4785 changed its name to Radio Super de Ibagui. There is a small change in their address, too: Parque Murillo Toro No 3-29, Piso 3, A.A. 1187 Ibagui, Tolima. (08-Feb/Wolf Harranth—Austria/Internet) Actually it is not a name change, but rather a sort of frequency switch and creation of a new station. The SW and MW frequencies of Ecos del Combeima became the new station Radio Super de Ibague. Ecos del Combeima took over the MW frequency of La Voz del Nevado, which apparently has ceased to exist. These are all co-owned stations in the Super network. I had heard the Radio Super de Ibague IDs on 4785 back in December. Then while MW DXing in western Venezuela in late Dec/early January, I heard and IDed Radio Super de Ibague on Combeima's listed MW frequency (1020, I think) and Combeima on Nevado's listed MW frequency (1110, I think). Kind of sad to see the La Voz del Nevado station name disappear. Nevado is the word for a snowcapped mountain, of which there are a lot in this part of Colombia. Too many picturesque local station names are disappearing in Colombia as networks give the stations a generic network ID. BTW, I just got my '95 WRTH a few days ago and checked and these changes are already there. (09-Feb/Don Moore)

CONGO Radio-TV Congolaise noted back here on 4765 with strong signals around 2240 with a French language music request show. (Ward 12-31, NU #1309).

COSTA RICA AWR Cahuita frequency schedule:

0200-0500	7375
0200-1000	5030
0600-1300	13750
1000-1800	9725
1300-1700	15460
1700-0200	13750
1800-2300	11870
2300-0600	9725
2300-1800	6150

by language:

0100-0200	Spanish	6150 9725 13750
0200-0500	Spanish	5030 6150 7375 9725
0500-0600	French	5030 6150 9725
0600-0800	English	5030 6150 13750
0800-1000	Spanish	5030 6150 13750

1000-1300	English	6150 9725 13750
1300-1700	Spanish	6150 9725 15460
1700-1800	French	6150 9725 13750
2300-0100	English	6150 9725 13750

(ADDX Kurier—Germany/Jan Nieuwenhuis—Netherlands, BDXC editor)

Radio For Peace International sked:

0000-1330	12150U
0000-2400	9400U
1200-0200	15050
1330-1700	6200
1700-2400	17910
2100-0800	7385 (testing to -1500 UT Saturdays and Sundays)

(14-Feb/RFPI/Marc Vissers—Belgium/SW Echo)

ECUADOR New outlet Estereo Carrizal, noted on 3260, opening with the HC National Anthem at 1058, drums, ID in Spanish, then an English ID too: "From Calceta, Province Of Manabi.. Estero Carrizal...transmitting directly from the middle of the world. Our frequency is 91 meters, 3260 kiloHertz. Our emissions in Spanish for our listeners all over Latin America... Thank you for tuning in to our station. Please write to us. Our address is: Avenida Estudiantil, Quinta Velazquez, Calceta, Manabi, Ecuador". Poor signal, but heard the English ID twice before fade out around 1130 UTC. Other days, just a carrier, or nothing at all. (Berg, NU #1307)

4919.9, Radio Quito, 1130, Canned ID/promo at t/in "...R. Quito, La Voz de la Capital", and into lcl HC rx by M and W. Very strong. Glad to see this one back on. (Valko 1/30) [see below—AQ]

Radio Alianza is the correct name of the station noted both on 5453.9 and 5686.2. kHz. The correct name was supplied by Henrik Klemetz who believes it to be a pirate station located in the Ecuadorian province of Imbabura. It appears to be a weekend operation only. Noted on 2-18 on 5453.9 with sign off at 0413, and sign on at 1121 utc the next AM. Typical guitar ballads with short anmts by male announcer. (Johnson, Valko, Grace, Lobdell, Jihad Dx #20)

Peru and Ecuador are fighting over their disputed border again. They last clashed in 1981 and fought a war over the region in 1941. The Rio Protocol of 1942 was suppose to decide things but the border is still disputed along the Cenepa River. Actually, Ecuador claims all territory north of the Maranon River. The disputed region is rich in uranium and diamonds and possibly oil. (various news accounts via Johnson) Now are these stations [above and below] connected with this conflict?

UNID 6990 Heard with talk by man in SS talking about Peru- Ecuador from 0316 past 0347. At both 0330 and 0345 they went off the air for a few minutes but returned. Good signal and modulation but absolutely no IDs. This night only. (07-Feb/Hans Johnson)

ERITREA Voice of the Broad Masses of Eritrea on 4999.5. // 7020. Time around 0415. (06-Feb/Chuck Rippele—VA)

ESTONIA Estonian Radio External Service:

0800-0900	Finnish	5925 (Su only)
0900-0930	Swedish	5925 (Su only)
0930-1000	Estonian	5925 (Su only)
1600-1610	Finnish	5925 (Mo-Fr)
1600-1700	Finnish	5925 (Sa only)
1610-1620	German	5925 (Mo-Fr)
1620-1630	English	5925 (Mo-Fr)
2000-2030	English	5925 (Mo/Th)
2000-2030	German	5925 (Tu/Fr)
2030-2100	Finnish	5925 (Mo-Fr)
2100-2130	Swedish	5925 (Mo-Fr)

(DX program at 2000 on first Monday of each month) (BBCM)

GREECE Voice of Greece sked, as observed. [And subject to change with wind direction—AQ]:

0000-0350	Greek	9935 9425 7448 6260-alt
0400-0445	Greek	9425 7450
0500-0615	Greek	9425 7450
0700-0745	Greek	11645 9935 9425
0800-0950	Greek	17525 15650
1000-1050	Greek	17525 15650
1100-1150	Greek	9825 9425
1200-1250	Greek	15650 11645 9935
1300-1450	Greek	17520 15650
1300-1350	Greek	11645
1400-1450	Greek	9425
1500-1700	Multilingual	9935 9425 7450

1710-1750	Greek	11645 9935 9425	1330-1345	Boro	11580 (We-Su)
1900-2000	Greek	7448 6260	1330-1400	Swatow	9870
1900-1950	Multilingual	9380 6260	1345-1400	Santali	11580
2000-2050	Multilingual	9375	1400-1500	Cantonese	9870 (Su-Fr)
2000-2150	Greek	7448 6260	1400-1430	Cantonese	9870 (Sa)
2100-2250	Greek	9425 9375	1430-1500	Amoy	9870 (Sa)
2200-2300	Greek	11595	1430-1515	Burmese	9430
2300-2350	Greek	9375 9425 9375	1500-1615	English	11580 (Mo-Tu)

Programming is in Greek, with newscasts in the following languages:

0130-0140	English (Mo-Sa)
0340-0350	English (Mo-Sa)
0440-0445	Arabic
0600-0615	Turkish
0740-0745	English
0940-0950	English
1130-1140	Turkish
1230-1240	Arabic
1335-1345	English
1335-1340	Russian
1430-1445	Arabic
1500-1510	Greek
1600-1610	Albanian
1615-1625	Serbo-Croat
1630-1640	Bulgarian
1645-1655	Romanian
1725-1740	Russian
1740-1750	Polish
1901-1910	English
1910-1920	French
1920-1930	German
1930-1940	Italian
1940-1950	Swedish
2000-2010	Bulgarian
2015-2025	Romanian
2030-2040	Albanian
2040-2050	Serbo-Croat
2240-2250	English (Mo-Fr)
2305-2320	Portuguese (Mo-Sa)
2320-2335	Spanish (Mo-Sa)
2335-2345	English (Mo-Fr)

(BBCM)

GUAM KTWR, Trans World Radio Winter Schedule:

0800-0915	English	15200
0825-0855	Hakka	9785
0855-1000	English	11830
0900-1200	Mandarin	9785 11665
0915-0930	Balinese	15200 (Tu)
0915-0930	Madurese	15200 (Fr-Su)
0915-0930	Torajanese	15200 (We-Th)
0930-1100	Indonesian	15200
1000-1130	Russian	9870
1100-1325	Mandarin	9590
1130-1155	Korean	9870 (Su)
1130-1145	Korean	9870 (Mo-Sa)
1200-1300	Japanese	9870
1200-1530	Mandarin	9785 9820
1330-1345	Assamese	11580 (Mo-Tu)

(14-Feb/Alexander Ageenkov—Russia/Marc Vissers—Belgium/SW Echo)

HUNGARY Domestic Kossuth Radio is relayed on shortwave from 0329-2400, frequency 6025 kHz. (BBCM)

INDONESIA RRI-Sorong sent along this schedule with a verification letter: 0800-1400 on 4875 kHz and 0300-0800 on 9742 kHz. (Brown, OZDX #99)

GEC-Marconi Communications Ltd (UK) has won a major turnkey contract for the supply and installation of a shortwave broadcasting system for Radio Republik Indonesia. Equipment comprises three Marconi 250-kW shortwave transmitters, five curtain antennas, satellite program links and ancillary equipment. The complete system will give enhanced coverage of the Voice of Indonesia to Malaysia, China, Japan, Australia, Papua New Guinea, Europe and the Middle East. (BBCM) [RRI upgrade stories have popped up once a year since I got into this hobby in 1962. Let's see if this one pans out in our lifetimes.—AQ]

IRAQ Radio Iraq International noted with a broadcast in Turkish around 2030 on 9755 kHz. Although the station's sked lists a number of languages (including Turkish), the only broadcasts heard recently were in English (at around 0900-1300 on 13680 kHz) and Arabic (at around 2100-2340 on 9745). (BBCM)

ISRAEL Here, reflecting budgetary noose-tightening, is the latest complete Kol Israel sked, valid through 31 March 1995:

0400-0800	Hebrew (BET)	11590
0400-2000	Hebrew (BET)	13755 15615
0400-2215	Arabic	5900 15095 15480 5915 9815
0500-0515	English	9435 7465
0515-0530	French	9435 7465
0800-1700	Hebrew (BET)	17545
1100-1130	English	17575 15650 15640
1130-1200	French	17575 15650 15640
1330-1355	Yemenite	15650
1330-1455	Russian**	11675 11587 11603 11685
1400-1555	Russian*	11685 (Su-Th)
1430-1445	Georgian	15640 11603 11675 (Su-Th)
1445-1500	Bucharian	11675 11587 15640
1500-1555	Persian	11587 15640 11675 11603 (Su-Fr)
1500-1555	Persian	11587 15640 11675 11603 11675 (Sa)
1600-1655	Russian	11587 11603 9435 11675 11685 (Su-Th)
1600-1655	Russian**	11587 11675 11603 11685
1700-1725	Yiddish	7465 11603 9435 9845 11685
1700-2300	Hebrew (BET)	11585 9388
1725-1745	Easy Hebrew	11685
1725-1745	Romanian	7465 11603 9435 9845
1745-1800	Hungarian	9435 11603 7465 9845
1800-0800	Hebrew (BET)	7495
1800-1830	Yiddish	11603 11685 9845 7465 9435
1830-1845	Romanian	11685
1830-1955	Russian	7465 9435 11603 9845 11685
1845-1855	Spanish	11685
2000-2010	English	7465 11603 9435 15640 7405
2010-2020	French	7465 11603 9435 15640 7405
2020-2030	Spanish	7465 11603 9435 15640 7405
1745-1800	Ladino	11685

* includes Tat 1440-1455 Su/We

** Fri, Sat & Jewish Holidays or Holiday eves
(06-Feb/Shabtai Lerner/Internet)

ITALY RAI-Caltanissetta (Sicily), heard on 6060 with the RADIO UNO program at 2215. Mostly talk until 2230, when time pips, time check were noted, then into a jazz program. Sign off just before 2300 with ID as "RAI, Radiotelevisione Italiana, Radio Uno". RAI back on a minute later from Rome transmit-

ters. If you hear it before 2300, it's Sicily with 25 kw, after 2300 it's Rome with 100 kw, per Andy Sennitt. (Berg, 1-16, NU #1307)

Radio Mariquita 3924 new freq. (Play Dx)

KOREA (SOUTH) Radio Korea International and the BBC will expand their exchange relay transmissions from three to four hours in late March. RKI plans a new one-hour Russian transmission from Skelton, and will be increasing its French and German transmissions from 45 minutes to one hour. No word yet on the Beeb's new offering from KBS Kimjae. (22-Jan/RJ Media Roundup/BBCM)

LAOS Unid Regional 6970.1 presumed react here relaying Vientiane 6130 at 1210 (Foster OZDX). Since 17th January, Laotian Radio's regional station at Luang Prabang has been heard on 6970 kHz. Although the station had been heard on or around this channel in years past, more recently it had operated around 7162 kHz. (BBCM)

LEBANON The Voice Of Lebanon now has French at 2318, then English at 2325-2336 on 6550 Mondays thru Saturdays. English has also been heard at 1800. (January DXers Calling)

MALTA Voice of the Mediterranean in Malta has started its planned French service. For the moment the broadcasts are on Sundays only at 0635-0700 on 9765 and at 1435-1500 on 11925. (Amitie Radio/Andy Sennitt/RN Media Network/BBCM)

MEXICO 10388v, XERMX/Radio Mexico, Heard around 0100 per tip from S. Carolina DXer Dave Gasque. Terrible distorted audio, FMing carrier. Finally heard a "Radio Mexico Internacional presento..." ID by W at 0232. Could not find any of the freqs listed in the WRTH to // it to. What was this??? (29-Jan/Chris Lobdell)[An acid flashback?—AQ]

MOLDOVA Radio Moldova International is asking for reports at RMI-Monitoring Action, P.O.Box 9972, Chisinau-70, Moldova 277070

The RMI schedule being valid until the 26th of March, 1995 reads as follows:

0130-0200	Romanian	7190
0200-0225	English	7190
0230-0255	Spanish	11775
0400-0425	Russian	6135
0430-0455	Spanish	7270
1100-1125	Spanish	17775
1200-1225	Spanish	15335
1230-1300	Romanian	15315
1300-1325	English	15315
1400-1425	French	15315
1430-1455	English	15315
1830-1855	English	7235
1900-1925	Russian	6050
2000-2025	French	7235

(Richard D'Angelo)

MOZAMBIQUE Renamo is considering offering Voz da Renamo radio up for privatization or lease. The station, which has not yet been legalized, has run out of money. (20-Jan/BBCM)[The opportunity of a lifetime for you ambitious pirates. Unless Gene Scott beats you to it.—AQ]

NEW ZEALAND Radio New Zealand International frequency schedule effective 1850 UTC 19 March—06 May 1995:

0459-0716	11900 (Mo-Fr)
0459-0758	11900 (Sa/Su)
0717-1206	9700 (Mo-Fr)
0759-1206	9700 (Sa/Su)
1207-1649	6100 (occasional use for sport events)
1650-1849	6100 (Mo-Fr)
1850-2050	11910 (Su-Th)
1850-2058	11910 (Fr/Sa)
2051-0458	15115 (Su-Th)
2059-0458	15115 (Fr/Sa)

(21-Feb/direct)

PAPUA NEW GUINEA Radio Gulf 3245 per the NBC this station has been off since last October 14th. The NBC is trying to get funds to keep these stations on. (04-Feb/Hans Johnson).

Radio United-Loloho, still active, noted here on 3880 around 0955 with C&W music, talking by male announcer. Quite weak, even in the wilds of Kuranda with a 100 meter long wire. (21-Jan/Martin—Australia/OZDX #99)

PERU Radio Soledad, 4633.3 v, ex-4663.5 noted regularly since January 30th. (N.

Grace, Jihad DX #20) Freq is always quite variable between 4633-4. At one point, the freq jumped up about 600 hz. I wouldn't be surprised if they disappeared soon. (Dave Valko)

PHILIPPINES Radio Pilipinas' external schedule in English via VOA transmitters:

0230-0330	17760 17840 21580
1730-1800	11815 15190

(Jacob Nx Bulletin via Johnson, Jihad Dx #20)

POLAND Sked for Polish Radio Warsaw:

0600-0625	Belarussian	6035
0600-0625	Czech	5995
0600-0625	Ukrainian	7270 6135
0630-0725	Polish	7285 6095 6035 5995
0730-0755	Polish	7285 6095 6035 5995
1200-1240	Lithuanian	7285 5995
1200-1225	Russian	9525 7145 6135
1230-1255	German	9525 7145 6135
1240-1255	Belarussian	7285 5995
1300-1355	English	11815 9525 7270 7145
1400-1425	Lithuanian	7145 6135
1400-1425	Russian	9525 7285 7270
1430-1455	Belarussian	7270 6095
1430-1455	Esperanto	9525 7285 7145 6135
1530-1525	German	9540 9525 7285 7145 6135
1530-1555	Russian	9525 7270 6095
1530-1555	Ukrainian	7285 6135 6035
1600-1625	Czech	7285 6095
1600-1625	German	7270 6135 6035
1630-1725	Polish	6135 6035
1730-1755	German	7270 6135 6000
1800-1855	English	7270 6000
1900-1925	Russian	7285 7270 6000
1930-1955	Ukrainian	7270 6035 6000
2000-2025	Czech	???? [freq missing —AQ]
2030-2125	English	7285 6135 6000
2130-2155	Esperanto	6135 6000
2200-2255	Polish	6135

(BBCM)

PORTUGAL According to Portuguese TV, RDP Internacional has initiated "stronger" shortwave transmitters for broadcasts to East Timor. No power, frequencies, or other info preferred. (BBCM)

RWANDA Radio Rwanda sked, via facilities of Deutsche Welle. Programs are in a variety of local languages. News in English 0515-0525, 1145-1155 and 1915-1925, plus 1640-

1650 Sundays.

0359-0600 6055
0900-1605 6055
1605-1700 6055 (Su only)
1700-2100 6055

(BBCM)

SAO TOME The VOA relay station will not be on shortwave here until "around December." (Ferguson, NU #1309).

SINGAPORE Radio Singapore International (RSI) sked:

1100-1300 English 9530
1100-1400 Chinese 9590
1200-1400 Malay 9635
2300-2400 Chinese 9590-unconfirmed
2300-2400 English 9530
2300-2400 Malay 9635

(BBCM) Also heard between 1000-1100 on 11850. (Manual Rodriguez via Andy Sennitt)

SOMALIA Radio Mogadishu heard on 6870 at *0330 with dead air until 0330 then directly into Quran chants to 0348 then tlx in AA by M. Transmission was in AM, not USB. 06-Feb/Chuck Rippel)

Radio Free Somalia is testing at 1300 on 9865, 9900, and 9935. It is operated by Sam Voron, who also started up R. Free Bougainville. His transmitter is located outside of Mogadishu and has also been heard at 1300 testing on 13720 kHz. Address: 2 Griffith Ave., Roseville, NSW 2069. (Cushen, OZDX #99)

SWEDEN Radio Sweden is the latest shortwave broadcaster to have its triodes in a vice due to financial uncertainties. The service must cut 11% from its budget by 1998. Previous financed from the foreign ministry's tax revenues, Radio Sweden this year must rely on license fees for operating expenses. In previous cuts, the station lost a third of its entire program budget. (BBCM)

TANZANIA Radio Tanzania 5050.06, *0327-0331, IS, W w/opening ID "This is the External Service of Radio Tanzania, Dar es Salaam. Good morning everyone", followed by instru. NA, anmnts by W again. Decent signal w/ heavy QRM. (Dave Valko 1/25)

Radio Tanzania 5985 NF in Swahili with ID at 1800. Perhaps one of the new transmitters Al referred to in LN. (Johnson—Hawaii)

5050 1815 clandestine programs once directed to South Africa at this time have been replaced by music programs. (ibid.)

UNITED ARAB EMIRATES UAE Radio-Abu Dhabi Domestic Service:

0200-0400 Arabic 7215 6180
0400-0500 Arabic 15315 7215 6180
0500-0600 Arabic 9770 7215
0600-0700 Arabic 15315 13605 11885 9770
0700-0800 Arabic 15315 13605 11885
0800-0900 Arabic 21630 15380 15315 13605
0900-1000 Arabic 21630 21500 17885 15315
13605 11885
1000-1100 Arabic 21500 17885 17740 15315
1100-1200 Arabic 17885 17765 17740 11885
1200-1300 Arabic 17885 17765 11885 11815
1300-1400 Arabic 17885 15315 11885 11815
1400-1500 Arabic 15315 15265 11970 11885
11815
1500-1600 Arabic 11970 11885 9780 7215
1600-1700 Arabic 21485 11970 9780 7215
1700-1800 Arabic 11970 9780 9605 7215
1800-1900 Arabic 11970 9780 9605
1900-2200 Arabic 9780

(BBCM)

UAE Radio-Abu Dhabi External Service:

0000-0200 Arabic 11885 9770 9605
2200-2400 English 11885 9770 9605

(Relay of Capital Radio 2230-2300)

(BBCM)

UAE Radio-Dubai

0230-0330 Arabic 11945
0330-0400 English 13675 11945
0600-1030 Arabic 21605 15395 13675
1030-1110 English 21605 15395 15320 13675
1110-1330 Arabic 21605 15395v 15320
13675
1330-1400 English 21605 15395 15320 13675
1400-1600 Arabic 15395 15320 13675
1600-1640 English 15395 15320 13675
1640-2050 Arabic 15395 15320 13675 11795

(BBCM)

USA VOA began using 5745 at 0530-0630 to Africa a short while back. Now WHRI has jumped on the frequency, 2300-0500. Ex 7315, I think. (Dan Ferguson)

Note from John Vodenik, ex-VOA Bethany site:

"Hi everybody. As you know, Bethany is closed, and as such I will be gone no later than April 17. I talked with the audience mail people today, and they ARE going to do U.S. reports. Please mail your reports to:

Betty Thompson
Audience Mail
Voice of America
330 Independence Ave. S.W.
Washington, DC 20547

"Doing the QSLing for VOA on your behalf for the last few years has been a lot of fun for me. I just want to say thanks for your kind notes along with your reports. I have almost every report I have answered, in a box here at home. Kinda sentimental or something. Thanks for your support during the last few months. I will be lurking here [online—AQ] and may have a few supprises for you soon. Thanks again my friends.

"73/88

John

WPE9IQF/WPE4IXS" (09-Feb/John Vodenik)

KWHR, Naalehu, HI sked:

0400-1600	9930
1600-1800	6120
1800-2000	13625
2000-2200	11980
2200-0400	17510

(21-Jan/Joseph Brashier/CompuServe)

WHRI sked:

0800-1000	English/Spanish	7355	7315
1000-1300	English/Spanish	9850	7315
1300-1700	English/Spanish	15105	9465
1700-1800	English/Spanish	15105	13760
1800-2100	English/Spanish	13760	9485
2100-2300	English/Spanish	17830	13760
2300-0800*	English/Spanish	9495	7315

(* from Mo-Fr includes 2330-2400 prog. from Radio Bosnia-Hercegovina, Sarajevo, in English and Serbo-Croat) (BBCM)

WINB:

0000-0500	English	11950
1700-1900	English	15715
1900-2100	English	12160
2100-0000	English	11915

(BBCM)

Here is the SUMMER schedule as announced by WVHA on their DXTRA Show this week. According to the program, the following are Frequency Authorizations only, an the full exact sked has not been worked out yet. The following takes effect 0100 26-March (to 25-September):

0200-0600	7465
0600-0800	7455
0600-0800*	9870
1000-1100	11930
1000-1200	13770
1100-2100	15745
1200-1500	11745
1200-1700	15665
1700-1800	17612.5
1700-2200	13720
2200-0200	9852.5

* perhaps until -1000

Station is very interested in reports on the 15745 channel since it is slightly out of band, and may not be available on some receivers. (George Thurman/Marc Vissers—Belgium/SW Echo)

VENEZUELA 2060H Radio Onda, Guanare 0005-0023 1/14 w/ Sp pops, W ID. Fundamental of 1030 covered by slop from local Radio Los Andes on 1040. Fair. This is a 2x1030 harmonic. (Don Moore—Venezuela)

Radio Frontera, San Antonio del Tachira (4760 kHz) is active again since January 26th, now with a better signal (5 here in Caracas) but a very low modulation. (29-Jan/Manuel Rodriguez Lanza—Venezuela)

Radio Rumbos is having troubles with the 4970 kHz transmitter, which is off the air. (29-Jan/Manuel Rodriguez Lanza—Venezuela)

According to a conversation between DXer Luis Guerra Brandt and the Director-Owner of Radio Barquisimeto, the station was ready to start transmissions on 9510 kHz, but over the holidays some people stole the radials of the shortwave antenna to sell for scrap. The station is waiting for insurance money to replace the antenna, and will "probably" start transmission in a month. (24-Jan/Manuel Rodriguez Lanza—Venezuela)

Ecós del Torbes, Radio Tachira, and Radio Valera are currently operating on reduced schedules on shortwave (but not AM) so as to save electricity costs during Venezuela's present economic crisis. (Don Moore—Venezuela)

VIETNAM Voice of Vietnam now noted on 5940 kHz to North America at 0500 UTC, probably from a Russian transmitter in Siberia or the Far East. (09-Feb/Arthur Cushen—RNZI/Charles Albertson/Internet). Strangely enough, direction finding by engineers BBC Monitoring suggests a location much further west. There is a registration for Armavir, Ukraine in the current coordinated schedule, and BBCM think it could be from there. It would be interesting to see some reception reports of this transmitter, since VoV apparently doesn't want people to know the location of the relay (or maybe doesn't even know). (11-Feb/Andy Sennitt/Internet). [see next item—AQ]

Voice of Vietnam's external service has been heard with a further transmission from a shortwave transmitter site in the former Soviet Union. The station is now observed broadcasting on 7400 kHz in Spanish at 0600-0700. Immediately prior to 0600 the transmitter on 7400 kHz carries a broadcast in Spanish from Voice of Russia in Moscow. The transmitter then stays on the air without a break to carry the Voice of Vietnam program. Voice of Vietnam has been using transmitting facilities in the former Soviet Union since the start of 1995. In January the station was heard with a broadcast in English from such a transmitter on 5940 kHz at 0400-0600. This broadcast continues to be observed. The exact site being used for these relays of Voice of Vietnam is unknown. However, rough direction-finding exercises indicate that the transmissions on 5940 and 7400 kHz may well be emanating from the same site, which is thought to be in Ukraine or in southeast Russia. (BBCM)

YUGOSLAVIA Radio Yugoslavia has been heard at 1700-2230 on 6100 kHz with transmissions in French at 1700 and 2130, Ger-

man at 1730 and 2100, English at 1930 and 2200 and Spanish at 2000 (RVI Radio World/Cees van Oudheusden—Netherlands/Jan Nieuwenhuis—BDXC editor)

ZAMBIA Radio Christian Voice-Lusaka. According to a recent verification letter received from the transmitter engineer, Andrew Flynn, Radio Christian Voice is operating from 1300-2230 on 6065 with about 80 kw. Transmitter is a type 418-E with a TCI omnidirectional log periodic array with 9 db gain. Although only operating on 6065 kHz, the frequencies of 4968 and 7250 are also available. (Lobdell)

CLANDESTINE ACTIVITY SURVEY Here's the last part of Mathias Kropf's mini-series about the 1994 Clandestine Activity Survey. Mathias edits the clandestine column of CONTACT, the magazine of the World DX Club:

"To conclude this mini-series about the 1994 CAS let's take a look at the target areas outside Asia: Activity to Africa has increased by 73.2% to 414 WBHs. Mozambique is leading the target areas with 112 WBHs (+84 when compared to the previous year). However, activity to Mozambique can be expected to drop considerably during 1995 [see **MOZAMBIQUE**—AQ]. Next on the list is Morocco with 106 WBHs (+99), followed by Angola with 94 WBHs (unchanged), Somalia with 81 WBHs (+39), Ethiopia with 17 WBHs (not active one year ago) and Egypt with 4 WBHs (unchanged). Two African target areas that were active one year ago are no longer listed: Sudan (-39) and Rwanda (-25). Activity to the American continent dropped 38.6% to 253 WBHs. The main target area is still Cuba with 242 WBHs (-146), followed by Guatemala with 6 WBHs (+1) and Columbia with 5 WBHs (-14). And finally, the continent of Oceania is shown as a re-entry with activity to Papua New Guinea with 26 WBHs (+26)."

THIS MONTH'S PIRATE PROFILE K2000, also known as "The Loose Cannon," first hit the pirate airwaves on Independence Day

1993. Their first few shows were not well heard due to low power and bad propagation. On-air personalities feature Bob Rock and his Canadian Cousin John Barnyard. The station uses state of the art production facilities and has produced some of the best original DX related comedy ever, including the "Pirate Busters" series. If you hear a K2000 show, you can write to them at: Box 146, Stoneham, MA 02180 (Lobdell).

PIRATES-NORTH AMERICA On January 18th and 19th, 1995 the FCC visited three suspected pirate operators. The first one was greeted with a warrant and all his equipment, including his receivers were confiscated! The second one was subjected to an "Official Amateur Radio Station Inspection". He was asked questions, accused of operating a pirate radio station. No equipment was taken. The third one wasn't home at the time. Because they had no search warrant, his mom sent the FCC guys packing. That's the kind of mom I'd like! (CL) These actions were supposedly in response to the New Years' Eve marathon broadcasts heard on 6955 kHz. (Lobdell) [Actually, they were in response to some knucklehead promoting the marathon—named "Pirate Radio Insanity 1995"—on the Internet.—AQ]

MICRO-BROADCASTERS-NORTH AMERICA [Mainstream media often mistake micro-broadcasters for "pirates." I will not make this same mistake in LN. Micro-broadcasters operate almost exclusively on FM, with low power and regular hours, and exist to a) serve areas in which no community-based stations exist, and/or b) to represent a broader spectrum of opinion than is represented by mainstream broadcasters. Furthermore, micro-broadcasters take themselves seriously and wish to distance themselves as much as possible from the joy-ride image of pirate broadcasting. That said, the following, precedent-setting case may have broad implications for the pirate community as well.—AQ]

The unlicensed community radio station Radio Free Berkeley has received a temporary

reprieve. This, after a federal judge rejected a Federal Communications Commission request for a preliminary injunction to shut down the station.

Free Radio Berkeley is a 20 watt FM station that broadcasts from 9 p.m. to midnight on Sundays. It's operated by Stephen Dunifer, who says that he wants to expand the station's hours. But the FCC says that the small alternative station was illegally broadcasting without a license and should be shut down. It argues that there is no constitutional right to operate a radio station.

But in an order issued on Friday January 20th, U.S. District Judge Claudia Wilken. Judge Wilken said she questioned the FCC's rules governing small stations like Dunifer's. She stopped short of ordering the FCC to adopt new rules authorizing the operation of such stations. She did say that the FCC, not the courts, should decide how to regulate "micropower" stations like Radio Free Berkeley, and indicated that the government cannot simply run them off they air.

The FCC says that the ruling was the first time a judge has rejected the FCC's request to shut down an unlicensed radio station. The agency will be appealing the case to a higher court. (Amateur Radio Newline/Steve Coletti)

WHAT'S MORE FRIGHTENING THAN A VISIT FROM THE FCC? South Africa's Independent Broadcasting Authority [IBA] is investigating whether a radio station transmitting from Berea, in Johannesburg, to Zaire is contravening IBA regulations. The station's existence was reported late last year after Berea residents complained that it was interfering with their television reception. One local newspaper report said a complainant received a Zairean voodoo doll in his postbox as a warning against taking the matter further. (BBCM)

PIRATES-HELP WANTED New Zealand's free-radio specialist, David Miller, is planning to release a maxi-CD with a mix of different land-based pirate stations, both

Europeans and Americans. If you have any ID's or jingles, in studio quality, you can send them to David Miller, 55 Falcon Street, Dunedin, New Zealand for inclusion. (SRSNEWS—Sweden)

CLUBS (-EX) As you no doubt have heard, both SPEEDX and ADXR have recently ceased operations. As a former staffer for SPEEDX, I'm saddened to see them go. While some chalk up the demise of both clubs up to evolution, all of us as SWLs and DX'ers are nonetheless poorer for this collective loss to the hobby. Here's a toast to your contributions and respective legacies, ADXR and SPEEDX. Salut!—AQ

AND FINALLY... PROOF THAT THE WORLD IS COMING TO AN END Here's the text of an actual message posted to the Internet by Myke Weiskopf:

"FOR SALE For the first time in Four Years 'AT THE TONE': A Collection of WWV Rarities 1959-1979

Compiled and Annotated by Lloyd Matthiesen for ITDXA

"Originally issued to International Time Signal DXer's Association members. Featuring rare announcements, technical errors, original formats (Mountain Standard Time! GMT! AM/PM!), other really cool stuff. Cassette-only release; \$7 for 1 hour of unedited original announcements from the archives of Lloyd Matthiesen! Publicly available for the first time.

"OBSCURE INTERMEDIA

1119 Parkwood Av

Rockford IL 61107

(815) 229-7121

shrkinfo@execpc.com"

Any readers compelled to buy this should contact the editor. I am currently putting together a cassette featuring original, uncut samples of static and thunderstorm crashes as taped by me over a period of many years. The title: "1962-1982-The Golden Years of QRN."

73,

Al Q.

SW/



The 1995 Edition of
**The
Shortwave
RadioGuide**
Compiled and Edited by
John A. Figliozzi



With **completely updated** and comprehensive listings for thousands of programs broadcast in English to North America and the World on shortwave radio.

The 1995 edition again has been improved through the addition of columns classifying programs by type and now including frequencies for each program!

These improvements come to you, once again, at **no increase in price** over the 1994 edition.

Watch later this year for the new '95 SWRG Supplement with amended English language program and frequency listings, as well as listings for non-English language "world" services, and other surprises!

The SWRG is available worldwide only through its co-publishers and exclusive sales agents in the USA and Canada:

NASWA Company Store

705 Gregory Drive, Horsham, PA 19044 USA

US\$16.00 postpaid in USA

US\$20.00 postpaid overseas

ODXA Mail Order

PO. Box 161, Station A

Willowdale, ON M2N 5S8 Canada

CS\$21.67 postpaid incl. GST in QU and ON

(ON add PST)

CS\$23.27 postpaid incl. GST in rest of Canada

CS\$23.00 postpaid to USA

CS\$24.00 postpaid overseas

QSL Reports

Sam Barto
47 Prospect Place
Bristol, CT 06010



ALASKA: KNLS 7365 f/d cd. w/ personal ltr. in 3 wks. for \$1.00. (Schwartz).

ALGERIA: Radio Algiers International 15215 via Bouchaoui f/d cd. w/ sked. in 6 wks

ARGENTINA: RAE 11790 p/d ltr. (Barto-CT). w/ bookmark and sked. in 76 ds. for a * SP rpt. and \$1.00. (Dybka-TN). Radio Malargue 6160.6 f/d "StudioPhoto" cd. in 5 wks. after a f/up rpt. 500 watts.

ARMENIA: Radio Mitternacht (Field-MI). struf 9480 n/d ltr. in 16 ds. for SASE and rpt. to US addr. (Klinck-NY). same in 2 wks. (Field-MI).

ASIATIC RUSSIA: RID 15004 via Irkutsk f/d cd. in 7 wks. for 3 IRCs. (Schwartz-NC).

* Radio Chita 4860 p/d ltr. in RS in 6 wks. (Barto-CT).

ASCENSION ISLAND: RAI 11765 f/d cd. in 3 mo. (Field-MI).

AUSTRALIA: VL6T 2325 via Tennant Creek f/d cd. in 28 ds. (Hankison-KS). VL8A 2310 via Alice Springs n/d ltr. in 42 ds. (Hankison-KS). Radio Australia 5995 f/d ltr. in 6 wks. for ms. (Pappas-SD).

AUSTRIA: Radio Austria International 9655 f/d ltr. in 1 mo. (Schwartz). 6155 f/d cd. in 1 mo. (Placanica-IT). IRC. (Shepard-CT).

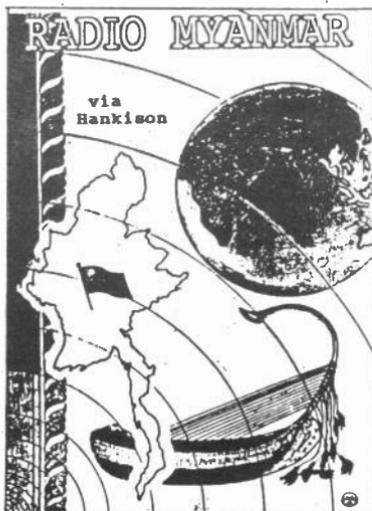
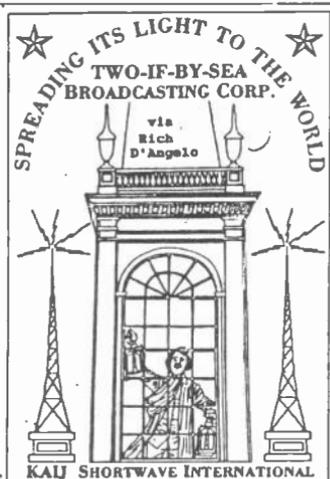
BELGIUM: Radio Vlaanderen International 13675 f/d cd. in 38 ds. for 1

BOLIVIA: Radio San Miguel 4925 f/d "Certificado de Sintonia" cd. in 2 mo. v/s Felix A. Rada Q., Director. (Dybka). Radio Metropolitana 6195 rcvd. 2 page ltr. w/ postcards and a very nice pennant. This was in 2 wks. for a SP rpt. after a f/up rpt. (Berg-MA).

BONAIRE: Radio Nederland 6165 f/d cd. w/ "Floral Series" in 29 ds. for 1 IRC. (Chalhoub-WI).

BOTSWANA: Radio Botswana 4830 f/d cd. in 2 mo. for 3 IRCs. (Schwartz). VOA f/d "Looking Toward Tomorrow" cd. w/ schedule and pennant in 1 mo.

BRASIL: Radio Difusora (Thow). Aquidauana 4795 f/d cd. in 57 ds. for \$1.00. Sked. and info. sheet were rcvd. v/s Primaz Aldo Bertoni, (Paszkievicz). Radio Rio Mar 9695 n/d cd. in 55 ds. for a PT rpt. and \$1.00. (Paszkievicz). Radio Rural Santarem 4765 p/d ltr. w/ sticker in 31 ds. for a PT rpt., tape and ms. (Klinck-NY). Radio Guaiaba ZYE852 5999.9 p/d "Logo" cd. in 5 wks. for a PT rpt. (Barto-CT). Radio Marumbi 9665 n/d note on back of photo in 32 ds. for a PT rpt. and \$1.00. v/s Davi Campos. (Paszkievicz). Radio Cancao Nova 4825 f/d cd. w/ form ltr in 3 wks. for a PT rpt. (Field-MI). Radio Gazeta ZYE964 15325 n/d short personal ltr. in 57 ds. for a PT rpt. and \$1.00. (D'Angelo-PA)...more.



* Radio Alvorada Parintins 4965 f/d prepared cd. w/ ltr. & sticker in 45 ds. for a PT rpt., tape and \$1.00 (Klinck). Radio Bandeirantes 6090 f/d ltr. w/ schedule, sticker and used stamps in 61 ds. for a taped rpt. & \$1.00. (Yamada-NM).

BULGARIA: Radio Sofia p/d cd. in 5 mo. for some GM rpts. (Schwartz). Horizont 11660 cd. w/ schedule in 5 wks. (Barto)

CAMBODIA: Radio The Voice of Cambodia - * Radio Cambodia 6089.8 f/d ltr. w/ per-

NOTES: Richard Hankison is extremely pleased with his QSL from Radio Myanmar. (You otta be!!!) I hope that they are now going the way of Botswana - as they were very hesitant to QSL years ago...Sam. Jerry Klinck says that he really missed the QSL Column in January. You weren't the only one to express those sentiments! Steve Price sent along a greetings to everyone and a rpt. to the Column. Thank you...Sam. Nick Grace is very happy to return to NASWA after a few years. He has strung up a 160 m dipole over the sidewalk where he lives in DC. Hope no one gets hurt. You'll have the shortwave police at your door. Hi!



sonal ltr. and sked. in 3 mo. Addr: R.C. Monivong Boulevard, Road No. 106, Phnom Penh. (Barto-CT).

CANADA: CFRX 6070 f/d cd. w/ sked. and info. in 4 mo. for 1 IRC. (Dybka). CKOI-FM 6005 via CFCX f/d B&W sheet in 3 wks. Sticker and decal rcvd. (Barto). same in 6 wks. (Berg-MA).

Radio Canada International 6120 f/d "McLuhan Teleglobe Canada Award" cd. w/ sked. and sticker in 10 ds. for

CLANDESTINE: Voice of 2 IRCs. (Thow-PQ).

* Human Rights and Freedom of Iran 9350 and 11470 f/d ltr. in 6 wks. v/s Mina Alborzi. Addr: 18 bis, Rue Violet, 75015 Paris. Also rcvd. sked., info sheet and small poster. (Barto-CT).

COLOMBIA: HJLW Radio Super Ibaque 4785.6 personal ltr. w/ large sticker in 3 mo. for a SP rpt. v/s German Ramos. (Barto-CT).

COSTA RICA: TIPC 5055 f/d cd. w/ ltr. and pennant in 48 ds. for ms. v/s Carlos Rozotto Piedrasanta. (Pappas-SD).

CHINA, PEOPLES REP. OP: China Radio International 15210, 11795 and 15440 f/d cd. w/ sked. in 2 mo. (Barto-CT).

CROATIA: Croatian Radio 5895 f/d cd. w/ "HRT/ADXB" cd. in 1 yr. for a taped rpt. and 2 IRCs. (Rausch-NJ).

CUBA: Radio Habana Cuba 9820 f/d "Varadero Dock" cd. in 2 mo. for 2 IRCs. (Thow-PQ).

CZECH REP: Radio Prague 11990 f/d "Otter" cd. w/ sked. for \$1.00. (Dybka). f/d "Schwarzenberg Palace" cd. in 3 mo. for \$1.00. (Dybka). 7345 f/d "Flora/Fauna" cd. w/ sked. and sticker in 3 wks. for 2 IRCs. (Thow). 5930 f/d cd. in 2 mo. (Schwartz).

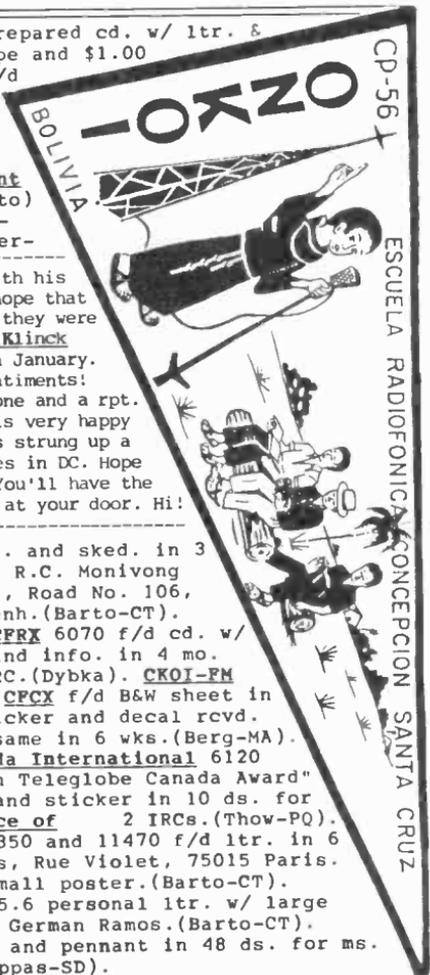
via Lobdell



ALLIANCE
FOR
FREE RADIO

CONFIRMS YOUR REPORT ON
7.415 MHz 0349 UTC
ONE 18 1971 WITH WATTS.
SUPPORT FREE RADIO!!!
COMMENTS:

SIGNED: *[Signature]* OFF MAN
CSC 602



BPM



中国科学院
陈石天文台

Thank you for your reception report of BPM. This is to verify the following report, via Compton

Call BPM Frequency 10MHz
Location 109°31'E, 35°m'N
Date 9.15.1994 time 1445-1500 UTC
Radiated Power 1.6KW
Antenna Horned-Cage Antenna
Signature 陈石
Title _____

GERMANY: Deutsche Welle 9670 n/d cd. w/ sticker in 2 mo. for 2 IRCs.(Thow-PQ). p/d cd. in 50 ds.(Humenyuk). **Bayerischer Rundfunk** 6085 f/d cd. w/ sticker in 2½ mo.(Schwartz). **Suddeutscher Rundfunk** 6030 f/d cd. w/ sticker in 2 mo. for a GM rpt.(Schwartz). **VOA Munich** f/d cd. in 60 ds.(Placanica).

GHANA: GBC 4915 f/d cd. w/ sked. in 3½ mo. for 3 IRC (Schwartz).

GREECE: Thessaloniki 11595 cd. w/ stickers and booklet in 3 mo. for a taped rpt. (Berg-MA).

GUAM: KTWR 9575 f/d cd. w/ sked. and calendar in 3 wks. for \$1.00.(Schwartz). **KSDA** 9370 f/d "Code" cd. in 1 mo. for ms.(Papp-

GUATEMALA: Radio Cultural 3300 p/d "Quetzal" cd. in 4 mo. w/ as-SD). ltr. and sked. for a SP rpt. and \$1.00. v/s Wayne Berger.(Dybka-TN).

HAWAII: KWHR 13625 f/d cd. in 13 mo. (Rausch-NJ). 9930 f/d "Globe/Satellite" cd. in 73 ds. v/s Loren Holycross.(Humenyk). f/d cd. in 5 mo. for \$1.00. (Dybka-TN). 17510 f/d cd. in 68 ds. for ms.(Weissborn).

HOLLAND: Radio Nederland 6165 f/d "Floral" cd. w/ sked. in 1 mo. for 2 IRCs.(Thow-PQ).

HONDURAS: Radio Internacional 4930.6 f/d cd. w/ ltr. and sked. w/ stickers in 48 ds. for a taped rpt. and \$1.00. (Yamada). f/d "Yojoa Lake" cd. w/ sticker, schedule, business cd. and a banknote

NOTES: Amanda Glockner is a new 13 year old member from the Allentown area. She says that in 1 year she has collected over 30 QSLs from all around the globe. Great! **Larry Compton** checks in from Singapore. He uses a Panasonic RF-B65 with an outdoor wire. He has passed his general class amateur radio

test and is trying to cut through the red tape to get certain kinds of equipment he plans to use. You may need sharper scissors...Sam. **Franz Schwartz** uses a Sony ICF-2010 receiver and has been involved with DXing since the early 50s! Franz has a habit of requesting certain QSL cards from stations that are illustrated in the QSL Column. He thus adds to his collection. You know what really works great? Send the station a copy of their illustration or write up from the QSL Column. Praise goes a long way...Sam.

7

-Q.S.L.-
Certificado de Sintonia
- La Voz de La Selva -

Sr. Jerry Klinack, U.S.A.:

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 4,824.4 kHz. de fecha 23 septiembre, 1994 a las 05:11 - 05:41 horas de Peruviano tiempo. Valores de potencia: 10,000.



Afectuosamente,

Julia Rengifo
JULIA RENGIFO RENGIFO
Directora

in 1 mo. for a SP rpt. v/s Victor Antonio (Tito) Handal, Director General.(Dybka-TN). **HRET** 4960.3 p/d sheet w/ personal ltr. in 2 mo. for a SP rpt. v/s Mateo McCollum, Gerente General.(Barto-CT).

HUNGARY: Radio Budapest

9835 f/d "Churches" cd. in 2 mo.(Schwartz). 3955 p/d ltr. in 70 ds.(Placanica) * **Radio Kossuth** 6025 f/d cd. for 85 reception. w/ XMAS cd. in 1 mo.(Barto-CT).

ICELAND: INBS 11402 f/d cd. in 3 mo. for 3 IRCs.(Schwartz).

ALTERED STATES RADIO



Chris Lobdell

DATE December 25, 1994
TIME 2100 to 2140 UTC
FREQUENCY 7375 khz

KOREA, REPUBLIC OF: Radio Korea 9650 f/d "Seoul" cd. for the Samoa broadcast. in 3 mo. via registered mail. (Berg-MA).

NOTES: Jim Galgano says hello to everyone after being away for a while. Nice to hear from you...Sam. Jill Dybka wishes everyone had the best of Holiday Seasons. Same here. Marina Pappas says thanks for another year of great QSL Columns! Yea!...Sam. Jerry Klinck says hello to everyone and had especially nice comments for the Column. Thanks...Sam. Also received a postcard from Dario Monferini and the "DX Group" that was touring Colombia and Venezuela.

KUWAIT: Radio Kuwait 11990 f/d cd. w/ calendar and sked. in 66 ds. (Shepard-CT). same in 7 wks. w/ sked. (Schwartz).

LATVIA: Latvian Radio Riga 5935 f/d cd. w/ pennant and schedule in 7 wks.

MALI: China Radio International 11715 via Bamako f/d "Dove" cd. w/ paper cuts and sked. in 2½ mo. (Schwartz). (Placanica-IT).

MALTA: Voice of the Mediterranean 11925 f/d cd. w/ newsltr. in 25 ds.

MONGOLIA: Radio Ulaanvaatar 12015 f/d cd. in 114 ds. for 1 IRC. (Yamada).

NAMIBIA: NBC Radio 3270 f/d "Satellite Dishes" cd. in 2 mo. for 3 IRCs.

NEPAL: Radio Nepal 5005 f/d "Pokhara" cd. in 2 mo. for a (Schwartz). taped rpt. and \$1.00. v/s R.J. Karlei. (Rausch-NJ). same in 76 ds. for a taped rpt. and \$1.00. V/C #184! (Klinck-NY).

NEW ZEALAND: RNZI 15115 p/d cd. w/ sked. in 2½ mo. for 3 IRCs. (Schwartz).

NEW ZEALAND (Pirate): Kivi Radio 7445 f/d "Rock of the South Pacific" cd. w/ stickers and info. sheet in 1 mo. for \$1.00. (Rausch-NJ).

OMAN: Radio Sultanate of Oman 9735 f/d folder cd. in 6 wks.

PALAU: KHBN 9830 f/d "Map" cd. w/ sked. in 3 (Schwartz). wks. for \$1.00. (Schwartz).

PAPUA NEW GUINEA: NBC 9675 via Port Moresby f/d cd. in 115 ds. for 2 IRCs. (Yamada-NM).

PARAGUAY: Radio Nacional del Paraguay 9735 n/d ltr. w/ tourist info. in 2 mo. for a SP rpt. and \$1.00. v/s Julio Cesar Cardozo, Jefe de Personal. (Dybka-TN).

PERU: Radio Satellite OAX2L 6726.5 f/d cd. in 6 wks. for a SP rpt. and "Flag Photo" v/s Sabino Llamo Chaves, Gerencia. (Barto-CT). f/d cd. in 133 ds. for a SP rpt. &

Hemos recibido su amable carta de el 29 de octubre, en la cual nos dice que ha sintonizado nuestra emisora. lo que nos da una gran satisfaccion saber que nos escuchan en el exterior.

Aquí le estamos mandando la contestación afirmativa sobre su recepción y adjuntamos la programación para seguir en contacto.

Agradecemos la atención de habernos escrito . esperando recibir noticias suyas a la brevedad, salud atentamente.

INDIA: AIR 9950, 7412 and 11620 f/d cd. in 5 mo. (Schwartz).

ISRAEL: Kol Israel 7465 f/d cd. w/ sked. in 1 mo. (Schwartz).

ITALY: RAI 9725 f/d "Francesco Garrone" cd. in 4 mo. for \$1.00. (Dybka). 9725 and 11800 f/d "Armedeo Modigliani" cd. in 5 mo. (Schwartz).

JAPAN: Radio Japan 11915 f/d "Sunset in Nara" cd. in 5 wks. (Schwartz). NSR Radio Tampa 6055 f/d cd. in 3½ mo. for 3 IRCs. (Schwartz).

JAVA: RRI Yogyakarta 7098 f/d ltr. in 46 ds. for \$1.00. v/s Phoenix Sudomo Sudaryo. (Paszkievicz).

JORDAN: Radio Jordan 11955 f/d cd. w/ flag & sked. w/ sticker

in 7 wks. v/s Jawad Zada, Director. (Barto-CT). 9560 cd.

w/ sked. and stickers in in 13 mo. This was after several rpt. over many yrs! (Berg-MA).

Thanks
For
Your
QSL



40
1994

ラジオたんぱ



SWEDEN: Radio Sweden 6200 and 9850 f/d cd. in 14 ds. (Brouillette). 6155 f/d cd. w/ sked. in 3 wks. for 2 IRCs. (Thow) 15240 and 17870.4 f/d cd. in 6 wks. (Barto). 15240 & 11650 f/d "Stockholm" cd. in 5 wks. (Barto-CT).

SWITZERLAND: Swiss Radio International 9885 via Schwarzenburg f/d cd. w/ sticker in 109 ds. (Humenyk). f/d cd. in 6 wks. (Barto). 13635 f/d cd. in 40 ds. (Shepard). 9885 and 6135 p/d cd. in 7 wks. (Barto-CT).

NOTES: Robert Chalhoub says he QSLs on a regular basis and there will be many more reports to be sent in. Glad to hear from you. As to your question about the deadline I usually start typing around the end of the second week of the month. Chris Lobdell had comments regarding the loss of mail. Enough said...Sam. Steven Thow reports in from Montreal. He uses a Grundig YB 500 as a primary receiver. Thanks for the reports...Sam.

SYRIA: Radio Damascus 12085 f/d "Globe" cd. in 2 mo. for a GM rpt. Sticker & sked. rcvd. (Sch-

TAHITI: RPO Tahiti 11827 f/d cd. in wartz) 4 mo. for 3 IRCs. (Dybka-TN).

TAIWAN: Voice of Free China

5950 f/d "Art" cd. w/ sticker and sked. in 1 mo. for 2 IRCs. (Thow-PQ).

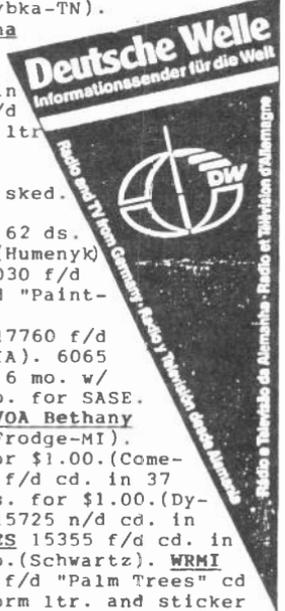
THAILAND: Radio Thailand 15370 f/d "Stamps" cd. in 38 ds. for \$1.00 and 2 IRCs. (Newhall). 9700 f/d cd. in 2 mo. (Barto). 11845 f/d "Lotus" cd. w/ ltr. in 6 wks. (Barto). Thai Meteorological Station 6765 ltr. in 2 mo. for a taped rpt. (Berg).

TURKEY: Voice of Turkey 9445 f/d cd. w/ sticker, sked. and pennant in 6 wks. (Schwartz).

UKRAINE: Radio Ukraine 6020 f/d "Costume" cd. in 62 ds. (Humenyk). 12030 same cd. w/ sked. in 206 ds. (Humenyk)

same w/ sked. in 5 mo. (Schwartz). 9860 and 12030 f/d cd. in 2 mo. (Barto). Ukrayinsko Radio 4940 f/d "Painting" cd. in 2 1/2 mo. (Barto-CT)..

USA: KTBN 7510 f/d cd. in 15 ds. (Shepard). WYPR 17760 f/d cd. w/ sked. in 23 ds. Sticker rcvd. (Griffin-IA). 6065 same in 15 ds. (Shepard). WWCR 5810 n/d cd. in 6 mo. w/ sked and sticker. (Dacus-AR). 7435 same in 5 mo. for SASE. (Dybka). 5065 cd. in 6 wks. for ms. (Pappas). VOA Bethany 9575 f/d "Last Day" cd. in 37 ds. for \$2.00. (Frodge-MI). same in 45 ds. (Humenyk). 9755 cd. in 37 ds. for \$1.00. (Comeau-MA). 7405 f/d cd. in 33 ds. (Weissborn-TX). f/d cd. in 37 ds. (Frodge). WJCR 7490 f/d "Logo" cd. in 2 wks. for \$1.00. (Dybka). cd. w/ sked. in 45 ds. (Grant-NC). KCBI 15725 n/d cd. in 3 mo. for \$1.00. v/s Fred Bithell. (Dybka). KJES 15355 f/d cd. in 2 1/2 mo. (Schwartz). WRMI 9955 f/d "Palm Trees" cd w/ form ltr. and sticker in 38 ds. for \$1.00. (Newhall-CT). WVW 2500 f/d cd. in 2 wks. for \$1.00. (Dybka-TN). 10000 f/d cd. in 20 ds. (Griffin-IA). WRNO 7355 p/d cd. w/ sked. in 35 ds. (Grant). WENW 7425 f/d cd. w/ sticker in 81 ds. (Thompson-NY). WSHB 9430 f/d cd. in 3 ds. for an E-mail rpt. (Dybka). WHRI 6040 7315, 9495 and 13760 f/d cd in 75 ds. (Humenyk). 13760 f/d cd. in 82 ds. for ms. (Weissborn-TX).



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ADDIS ABABA, ETHIOPIA

NASWA Scoreboard

Jerry Lineback
6361 Shore Drive
Douglasville, GA 30135



Jerry A. Lineback
6874 Parkway Dr.
Douglasville, Georgia 30135

Welcome to SCOREBOARD. Please note that I have moved again. I sold my house and have moved into an apartment. What with moving and other things, I got off schedule with the SCOREBOARD. Spotlight is in Africa. You must update your totals at least once a year to remain on the SCOREBOARD. Totals are to be made in accordance to the NASWA Radio Country List.

Name, State	Total		Africa		Best African QSL
	C/H	C/V	C/H	C/V	
James Young, CA	246	228	65	64	Zanzibar
Edward Kusalik, Alberta	241	238	66	65	Cordac 4900
Marlin Field, MI	237	236	65	65	Mt. Kenya NYERI
Jerry Berg, MA	235	233	63	63	R Clube Tenerif
William Flynn, OR	234	221	63	57	V3USE Mauritius
Ed Shaw, KY	230	214	64	60	Sp. Sahara
John Sgrulletta, NY	226	226	61	61	Comoros Is.
Steven Lare, MI	226	203	59	45	Mauritius
Terry Palmersheim, WA	224	213	59	55	Mauritius
Nobuaki Takahashi, Japan	224	198			
Donald Hosmer, MI	223	194	58	43	Malawi
Chris Lobdell, MA	222	216	62	61	R. Zanzibar
Al Miller, Jr., OH	220	212	61	57	Sao Tome
Richard Davis, NM	215	205	55	52	Mauritius
Ron Howard, CA	215	200	55	49	Vo Renamo
Larry Abraham, MI	215	200	60	55	Zanzibar
Sheryl Paszkiewicz, WI	214	208	58	56	Sierra Leone
Paul Buer, FL	214	202	60	54	LV Isla Palma
Rick Krzemien, CA	213	203	56	50	St. Helena
Frank Orcutt, NY	213	182	61	47	R. Cordac
Christos Rigas, IL	210	191	55	44	St. Helena
Fred Kohlbrenner, PA	210	185	55	38	Sao Tome
Jerry Klinck, NY	210	183	57	52	Djibouti
Mike Hardester, NC	209	194	51	45	Malawi 3380
Jerry Lineback, GA	206	108	60	32	St. Helena
Dino Bloisse, Dominican Rep.	205	85			
Charlie Washburn, ME	201	157			
Martin Foltz, CA	200	164	55	41	Azores 4865
Stephen Pitts, NE	197	171	49	41	St. Helena
Larry Kramer, CO	196	138			
Stephen Price, PA	182	148	48	33	R. Ondurman
John MacDonald, WA	178	76	21	17	En Reg Azores
Rev. John Eckert, PA	175	161	48	38	R. Mogadishu
Allan Loudell, DE	175	146	46	29	TWR Manzini
Ichiro Maruo, Japan	174	113	40	13	SWABC
Andy Rugg, Que.	170	154	46	37	TWR Swaziland
Daniel McCarthy, GA	169	144	49	36	Swazi Music R.
Carl Mann, NE	165	151	38	31	Lesotho 4800
Scott Helm, KS	163	113	45	27	R. St. Helena
Mark Humenyk, Ont.	160	122	38	26	Vo Ethiopia
Richard Hankison, KS	158	132	38	25	ORT Mauritania
Ross Comeau, MA	158	122	43	24	St. Helena
Kirk Trummel, MO	158	119	35	23	Zimbabwe BC
Carl Radtke, WA	153	153	36	36	S. Rhodesia
Elliot Straus, NJ	152	88	47	21	Cape Verde 3960
Chris Sweitzer, FL	147	93	37	17	St. Helena

Name, State	Total		Africa		Best African QSL
	C/H	C/V	C/H	C/V	
Joe Kremer, IN	137	87	37	12	Uganda BC
Barry Schwartz, NY	125	100	28	15	R. Algerienne
Lowell Pankake, MN	122	73	30	12	R. St. Helena
Norm Newhall, CT	114	105	18	16	R. Brazzaville
Bruce Orenstein, NY	102	77	24	10	Sierra Leone
Mark Anderson, MI	99	79			
Andreas Scheurell, PA	84	53	16	8	VoA Botswana
Ed Poston, IA	82	64	14	8	R. St. Helena

Thanks to all our contributors. The next deadline will be February 15, 1995, for the March Journal. The Spotlight will be on Asia. Be sure to use the new address. 73s

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to over 480 WRTH transmitter sites including new Russian Republics. ITU Country Codes included. Send your location or coordinates, \$7.15. NASWA Journals '91, '93, and '94 complete, \$11.00 a year or \$30.00 for all three. WRTH '91, \$7.00; '93, \$8.00; '94, \$10.00. "Passport to World Band Radio", '94, \$9.00. All items include shipping (overseas shipping extra). Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398. No collect calls, please.

FOR SALE: LOWE PR-150 preselector, \$275.00. Sanserino 15" air-core box loop antenna for BCB DXing, \$130.00. Rick Krzemien, 5398 Concerto Circle, Concord, CA 94521-3250. Phone (510) 687-2719 after 7:00 pm EST.

FOR SALE: 1995 wrth with minor cosmetic damage to cover and first 22 pages. Damage is "dog ears" and minor cover tear. \$16.99. The Complete Shortwave Listener's Handbook, 4th Edition 1994, \$9.99. Jon Klinedinst, 962 N. George St., York, PA 17404. Phone (717) 843-5237, not collect. Shipping in U.S.A. included. Prices firm. Cashiers check or money order only.

FOR SALE: Shack clean out! Equipment, books, magazines, club bulletins, tapes, station momentos, miscellany, etc. Full list for an SASE with two units of postage. G. Dexter, 213 Forest ST., Lake Geneva, WI 53147.

Contributors' Page

John Schmid
P.O. Box 86
Line Lexington, PA 18932

LOGGINGS CONTRIBUTORS - March 1995 - DEADLINE 10th of MONTH

The following members contributed loggings:

- Brian ALEXANDER , Mechanicsburg , PA NRD 535D 100' LW
Mark ANDERSON, Prescott, MI NRD525 Eavesdropper 180' RW
Jerry BERG , Lexington , MA R8 R390A HQ180A 150' LW
Julianna L. BICKUS, Herndon, VA R8 Eavesdropper indoor vertical
William BROWN, Independence, MO R8
Richard D'ANGELO , Wyomissing , PA R8 FL3 AD Sloper Farley Loop
William DAVENPORT , Nashville , TN DX380 ICF7601 AN1
Jim DUCHARME, South Hadley, MA ICF-7600G Datong FL3 41' MLB antenna
Gary EMERSON, COSTA RICA ICF2003 AN1
Marlin FIELD, Hillsdale, MI NRD535D Eavesdropper
Bill FLYNN , Cave Junction , OR R8 R7A 500' loop 83' Dipole
Harold FRODGE, Midland, MI R71A MFJ956 80' & 185' RW's
Nick GRACE, Kings Park, NY Kenwood TS440S 160m Dipole
Tom HALL , Sebastopol, CA R5000 MFJ Versatuner Dipoles V's LW's
Richard HANKISON, Praire Village, KS
Mark HUMENYK, Weston, ON Magnavox D2935 TUN3 tuner
Rufus JORDAN, Pittsburgh, PA DX302 Transoceanic indoor wire
Marv KAMINSKY , Flanders , NJ NRD535D Random Wire
Jerry KLINCK, West Seneca, NY 2 R8's HQ180 80' LW Dipoles
Marie LAMB , Frewerton , NY HF150 ATS803A DX375 MFJ10610 60M LW Indoor
Dipole
Harold LEVISON , Philadelphia , PA R8 R70 D2999 Indoor LW
William McGUIRE , Cheverly , MD DX380
Mark MEECE, West Chester, OH Yaesu FT767GX R390A 60m Delta Loop 75' LW
Ed NEWBURY, Bridgeport, NE R8 R5000 70' Windom
Marina PAPPAS, Huron, SD R8 DX400 indoor random
Sheryl PASZKIEWICZ, Manitowoc, WI NRD515 NRD525 60' LW Eavesdropper
Salvatore PLACANICA, ITALY Grundig 500 ICF7600D indoor LW
Ed RAUSCH, Cedar Grove, NJ R5000 2010 MFJ959 Eavesdropper 300' Dipole
Chuck RIPPEL, Cornland, VA FT1000D Lowe Europa SP600JX1 R390A 51S1 100'
Inverted Vee Carolina Windom 160
DX302 FRG8800 FRA7700
Doug ROBERTSON, Oxnard, CA Sony 2010 Indoor Telescopic Antenna
Betsy K. ROBINSON, Clinton, TN 2 Sony 2001DS's R8
Mike RYAN , Bangkok , THAILAND NRD525 AD Sloper
Giovanni SERRA, Rome, ITALY Grundig YB400 ICF SW33
Jack THOMPSON, New York, NY TS940SAT FT980 100' LW Antron99
Errol URBELIS, Kings Park, NY

Hi everyone. Good news on the postal front this month... Line Lexington to Seattle...3 days! Hope our luck holds out. Now I [we?] have a request. Many of our loyal contributors are using computers to print out their logs. This makes for easy reading, but may I ask that you space the loggings on the paper so that when the logs are cut into strips, each strip is at least 3/4" [2cm]. Those little skinny strips are difficult to cut and stack for mailing. I know what you're thinking, " Hey, this guys really getting picky". True, but I'll be appearing in person in Kulpsville, PA this month to entertain all thoughts on the subject. See you there!

Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



- NEW ADDRESS: SHERYL PASZKIEWICZ, PO BOX 152, MANITOWOC, WI 54221-0152
- 2310 AUSTRALIA VL8A 1/6 1255 EG mx, Aussie voices, poor (Hankison)
1/27 1204 rockabilly mx //2325, fair (Newbury-NE)
- 2325 AUSTRALIA VL8T 1/17 1252 no noise, Phil Collins (Brown-MO)
1/27 1210 poor & //2310 (Newbury-NE)
- 2360 GUATEMALA R Maya 1/14 0115 tlks, weak (Emerson-COSTA RICA)
- 2390 GUATEMALA LV de Atitlan 1/14 0120 lcl pops, weak (Emerson-Ck)
- 2460 BRAZIL R Alvorada 1/21 0055 anmts, ads, US pops, IDs (Alexan.)
- 3230 SOUTH AFRICA Oranje 2/14 0157 EG/AK pops, IDs, TCs (Lamb-NY)
1/16 0355 EG pops, nx, promo for Infinite Lite (Newbury-NE)
- 3245 INDIA AIR Lucknow 1/26 1520 Hindi/EG nx, TP, ID (Flynn-OR)
- 3249.5 HONDURAS Luz y Vida 1/26 0331 SP ID, insp. mx (Hankison-KS)
1/8 0406* EG rel, Xmas mx, ID Old Rugged Cross (Alexander-PA)
2/8 0228 SP rel, call ltrs, ID, Christian mx (Lamb-NY) 1/27
1215 SP simple gospel tunes, ID (Newbury-NE) 1/21 0204 rel
tlk, good (Emerson-COSTA RICA)
- 3255 LESOTHO BBC 1/12 0344 EG tlk, Stevie Wonder, TP ID (D'Angelo)
2/12 0405 EG ID Network Africa //6005 (Lamb-NY)
- 3260 ECUADOR Estereo Carrizal 1/17 1050 NA, drums, SP/EG ID, addr
phone ins (Berg-MA) OK, addr is Av. Estudiantil, Quinta
Velazquez, Calceta, Manabi, Ecuador.
- 3260 NEW GUINEA Madang 1/29 0941 pops, ID, TC (Grace-DC)
- 3270 NAMIBIA NBC 2/13 0423 EG Afr nx, ID, wx, cig ad (Lamb-NY)
1/16 0405 EG nx //3290, fair (Newbury-NE)
- 3275 PAPUA South. Highlands 1/29 0944 pops, ID (Grace-DC)
- 3280 ECUADOR LV del Napo 1/13 0200 SP anmts, ballads (Davenport-TN)
1/28 1100 ID, ment Napoli (Pappas-SD) 1/15 0226* tlk, ballads
ID, NA, weak (Alexander-PA) 1/21 0208 nx, mx (Emerson-CR)
- 3290 ECUADOR R Centro 1/14 0130 tlk, weak (Emerson-COSTA RICA)
- 3290 NAMIBIA NBC 1/17 0430 EG nx, wx, tlk, fair (Flynn-OR)
- 3300 GUATEMALA R Cultural 1/20 0410 EG sermon abt teens (Hankison)
1/13 0136 opera, ad string (Davenport-TN) 1/11 0230 SP pop mx
(Emerson-COSTA RICA)
- 3315 ADM ISL R Manus 1/29 0955 pops, ID, TC, strongest (Grace-DC)
- 3324.8 GUATEMALA R Maya 1/22 1229 SP ID, mx pgm, fair (Hankison-KS)
tent 1/15 1030 anmts, mx (Davenport-TN) 1/15 1204 IDs (Pappas)
1/27 1220 SP ID, gospel mx, good (Newbury-NE) 1/21 0215 SP
rel pgm (Emerson-COSTA RICA)
- 3325t ECUADOR Ondas Quevedenas 1/13 0126 anmts, ment Ecuador (Daven.)
- 3340 PERU R Altura 1/19 1020 OA mx, IDs, anmts (Klinck-NY)
- 3359.9 GUATEMALA LV de Nahuala 1/27 1228 lang ID, marimba (Newbury-NE)
1/14 0135 SP mx, strong, poor mod (Emerson-COSTA RICA)
- 3365p PAPUA Milne Bay 1/29 1005 island mx, weak OM (Grace-DC)
- 3370 GUATEMALA Tezulutlan 1/14 0140 SP mx, strong (Emerson-CR)
- 3374.8 BRAZIL R Clube Dourados 1/16 0430 mx, nx, ID (Newbury-NE)
- 3375 ANGOLA RN tent1/14 0540 Afro vcls, PT promos, drums, IS?(Flynn)
1/21 2330 Afro mx, nx abt Angola, ID (Klinck-NY)
- 3375 NEW GUINEA West. Highlands 1/29 0950 pops, EG ID (Grace-DC)
- 3380 GUATEMALA Chortis 1/21 0220 SP anmts, mx (Emerson-COSTA RICA)
- 3385 NEW BRITAIN RENB 1/20 0803 PD tlk, RA EG nx (Brown-MO)
- 3395 NEW GUINEA East. Highlands 1/29 1049 instl, vcl, ID (Grace-DC)
- 3395 SUMATRA Tanjungkarang 2/4 2300 SCI, ID, nx (Rausch-NJ) tent on
2/12 2220 IN pops, anmts, muffled (Murray-MA)
- 3396 ZIMBABWE ZBC 1/31 0414 EG jingle, pop, wx, Police mx, rxtbol
scores (Lamb-NY) 1/24 0355 EG hilife mx, tlk abt rock mx greats
ID, TC, tlkg drums (Flynn-OR) 1/22 0300 EG EZL mx ID (Anderson)
- 3550h CUBA Rebelde 1/22 0850 SP/US pops, 710x5 (Alexander-PA)
- 3580 COLOMBIA R Catolica 1/14 0155 SP mx, poor (Emerson-COSTA RICA)
- 3810 ECUADOR HD2IOA 1/29 0810 SP time stn (Pappas-SD)

3925 JAPAN R Tampa 1/27 1234 JP tlks, poor (Newbury-NE)
3940 CHINA Hubei PBS 2/13 0953 CH 40s mx, TP ID (Robertson-CA)
3965 FRANCE 1/20 0744 weak w/Bon Soir pgm in FR (Brown-MO)
3985 SWITZERLAND SRI 1/26 0544 FR/IT jazz, ID, TP, ID (Serra-ITALY)
CRI Relay 1/4 2230 IT, ID, Posta degli Ascoltatori (Placanica)
SRI 1/26 0643 FR/IT/EG nx of Chechnya, Auschwitz, OJ (Lamb-NY)
3995 WEST GERMANY DW 1/13 0120 GM tlks (Davenport-TN) 1/14 2346
GM Dixieland pgm, nx fair (Frodge-MI)
4000.1 SULAWESI Kendari 2/12 2157 IN SCI, tk, NA (Murray-MA)
4003.2t SUMATRA Padang 2/12 2211 Koran, ME mx (Murray-MA)
4120 CLAND Vo Natl Salvation 2/13 1005 KR tk, mx //4450 (Robertson)
4460.9 PERU R Norandina 1/6 0353 OA mx, anmts, IDs (Klinck-NY)
4471.9 BOLIVIA R Movima 1/18 1101 IDs, nx, ute QRM (Brown-MO) 1/21
1010 lcl mx, anmts, IDs (Klinck-NY)
4505 PERU Horizonte 1/18 1043 story, fair w/QRN (Brown-MO) 1/12
1100 atencion, IDs, huaynos (Robinson-TN)
4549.4 BOLIVIA Tropic tent 1/18 1110 political tk, greetings
(Brown-MO) 2/1 0443* folk, ID, flutes, anmts (Paszkiwicz-WI)
4600 BOLIVIA Perla del Acre 1/16 1055 mx, IDs (Klinck-NY) 1/4 0955
Mex mx, IDs, TCs 2-3 mins fast, ads (Berg-MA)
4606.4p IRIAN JAYA Serui 1/29 1135 weak w/IN tk, clas mx Koran (Grace)
4615 UNID 1/11 0340 AR tk, Koran, pop, fair (Serra-ITALY) Iraq?
4615.2 IRAQ Rep of Iraq R 1/29 *0253 bird IS, NA, Koran (Alexander)
4725 MYANMAR R Myanmar 1/29 1235 Bamar tk, EZL, SEAS vcls, 1241
ID //5990 not hrd (Murray-MA)
4747 PERU R Huanta 2000 1/7 2335 tk, ID, OA mx (Alexander-PA)
4753.4 SULAWESI Ujung Pandang 1/29 1020 Koran ID gamelan (Grace-DC)
2/1 2152 IN pops, tk, SCI, nx, anthem? (Lamb-NY) 1/26 1205
IN tk, ID, soft rock w/East inst (Newbury-NE)
4755 BRAZIL Educ Rural tent 1/8 0030 ment Brazil, noisy (Davenport)
1/29 0155 PT lite rock mx (Newbury-NE) 2/12 1022 lang chants &
chor response-weird! sfx, ID (Robertson-CA)
4760v LIBERIA ELWA 1/16 2008 EG sermon, hymns, ID, anmt (Serra-ITALY)
4766 SUMATRA RRI Medan 1/25 1625 ID, pops, nx (Williams-OR)
4770 NIGERIA R Nigeria 1/16 2027 EG/lang ID, TC, mx (Serra-ITALY)
1/7 2300* ID, tlks, NA (Davenport-TN) 1/16 0445 Afr, soul mx
ID 0500, nx (Newbury-NE)
4770.1p ECUADOR Centinela del Sur 1/8 0211* ads, jingles, pop (Alex.)
4775 INDIA AIR Imphal 1/24 1520 Hindi IS, EG ID, nx, fair (Flynn-OR)
4775 PERU R Tarma 1/17 1026 huaynos, ID, TC (Brown-MO)
1/8 0045 lcl ballads, ID 0053 (Davenport-TN) 1/15 1106 live
sounding tlks (Field-MI)
4779.6rf DOM REP Onda Musical 1/28 2350 tk abt Mex econ, ID (Rausch-NJ)
2/2 0030 ads, jingles, IDs, ballads, Coatan weak (Alexander-PA)
1/19 0249 discuss, Herb Alpert, IDs (Klinck-NY)
4779.7t ECUADOR R Oriental 1/29 0235 ID'd from Quito, mx (Newbury-NE)
4779.8 GUATEMALA Cult Coatan 1/20 1234 SP ID, pgm ID mx (Hankison-KS)
2/5 0211* tk, ID, lcl rel mx (Alexander-PA) 1/21 0035 rel tk
rustic drums, chorus, poor (Flynn-OR) 2/4 1138 ID tk(Field-MI)
4785 CHINA Zhejiang PBS 2/12 0926 CH kids pgm, pres ID (Robertson)
4789p IRIAN JAYA Fak Fak 2/2 1208 Koran, anmts, ME mx (Murray-MA)
4790 PERU R Atlantida 1/13 0100 anmts, huaynos, ID (Davenport-TN)
4799.8 GUATEMALA Buenas Nuevas 1/8 0125 rel tk, TC, weak (Davenport)
4800h CUBA Rebelde 1/31 1015 nx //3600 both harmonics (Field-MI)
4800 ECUADOR R Pop Ind 2/4 0215 LA nx, ID call ins of border
conflict (Rausch-NJ)
4800 LESOTHO RL tent 1/16 2032 lang chants, mx, tk, poor (Serra)
1/20 0435 lang lots of tk, poor (Hankison-KS) 1/29 0346 lang
Afr folk mx, addr (Newbury-NE) 1/29 0357 Sesotho ID, lcl mx
(Klinck-NY)
4805 BRAZIL Rdf Amazonas 1/7 1020 pops, tent ID, fade (Davenport)
4805.4 SUNDAS Kupang 2/13 1030 TP ID, tk, mx, 300w! (Robertson-CA)
4810 SOUTH AFRICA R 2000 1/7 0210 AK EZL mx (Davenport-TN) 1/3 0140
EZL mx fair (Newbury-NE) 1/18 0108 EZL mx, fair (Levison-PA)
1/20 2309 EZL mx, exc (Klinck-NY)
4810 SOUTH AFRICA Afrikaans Stereo 1/20 0300 AK tone, ID, nx (Hank.)
4815 BRAZIL Rdf Londrina 1/16 0352 tk, ID over instl D'Angelo-PA)
4820 HONDURAS HRVC 1/8 0119 rel tlks, ID, poor (Davenport-TN) 1/6
1230 mx, rel tk (Pappas-SD) 1/13 2125 rel tk (Emerson-CR)
1/21 0232 rel mx (Emerson-COSTA RICA)
4824.4 PERU LV de Selva 1/12 1101 morn pgm, ID (Davenport-TN) 1/8
0304* anmts ads, ID, pops, NA (Alexander-PA) 1/12 0215 Amer

rock mx, ID, 0229 fade (Kaminsky-NJ)
 4828 ZIMBABWE Radio 3 1/23 0306 EG pop/rock, jingle ID (D'Angelo)
 4830 VENEZUELA Tachira 1/8 1000 LA mx, no Relej today (Davenport)
 1/13 1155 LA mx, anmts, ID (Newbury-NE)
 4831.8 COSTA RICA R Relej 1/7 0920 ID, TC, ballads (Davenport-TN)
 1/29 0842 many IDs, 6 min of classic rock segments (Pappas-SD)
 1/24 0430 salsa, tick tocks, IS (Flynn-OR) 1/21 0235 ici nx
 (Emerson-COSTA RICA)
 4834.5 PERU R Maranon 1/19 1013 lively OA mx, IDs (Klinck-NY)
 4835 GUATEMALA Tezulutlan 1/8 0057 SP ID, marimbas (Davenport-TN)
 1/13 2135 SP pops (Emerson-COSTA RICA) 1/24 0120 marimbas
 ID, anmts, QTH (Jordan-PA)
 4835 MALI RTM 1/16 2045 FR sports, Le Journal Sportif (Serra-ITALY)
 4840 VENEZUELA Valera 1/17 0858 moderate NA, anmts (Brown-MO) 1/8
 1040 tlk, ads, LA mx, ID (Davenport-TN) 1/21 0240 good sig
 mx, many IDs, AIR QRM (Emerson-COSTA RICA)
 4845 BRAZIL unid 2/5 1021 mx ment Amazonas, Christ (Field-MI)
 4845 GUATEMALA Kekchi 1/13 2120 SP pop lcl mx (Emerson-COSTA RICA)
 1/26 1205 SP gospel/organ mx, ID, fair (Meece-OH)
 4845 MAURITANIA ORTM 1/10 1935 FR canned ID, Afropop (Serra-ITALY)
 1/20 2345 AR ME mx, poss call in, ID 0000 nx (Hankison-KS)
 1/15 0020 FR/AR pol discuss, nx, Koran (Jordan-PA)
 4860 ECUADOR Federacion 1/19 0059* pop, march tune //5980 (Alex.)
 4860 INDIA Delhi 1/12 1230 EG/Handi ID, nx, SC mx (Robinson-TN)
 4860 ASIA RUSSIA R Rossii 1/12 1959 IS, ID, nx, folk (Ryan-THAILAND)
 4860 UNID 1/14 0057 march mx, similar pgm to Honduras (Field-MI)
 4865 BRAZIL R Alvorada 1/7 1011 pops, ads, anmts (Davenport-TN)
 4865 COLOMBIA LV del Cinaruco 1/12 1131 Caracol, morn nx (Davenport)
 4870 BENIN ORTB 1/26 0505 Afropop, tlk, chant (Serra-ITALY) 1/7
 2235 FR nx cmtry, ment Benin (Davenport-TN) 1/25 *0458 FR drums
 kalimba, NA, ID, welcome, rap mx (Lamb-NY) 1/16 0503 FR nx
 drums btwn items, fair (Newbury-NE)
 4870 ECUADOR LV del Upano 1/12 1121 ID, mx (Davenport-TN)
 4879.6t ECUADOR RN Espejo 1/13 1035 promos, ballads, weak (Davenport)
 4880t BRAZIL Rf Acreana 1/7 1026 mx bridges weak (Davenport-TN)
 4885 COLOMBIA Ondas del Meta 1/7 1000 ballads, Caracol (Davenport)
 4890 GABON RFI 1/26 0510 FR nx, corres, class mx //others (Serra)
 1/9 0430 FR nx hlites & detail, fair (Hankison-KS)
 4890 PAPUA NBC 1/24 2019 EG folk/pop, gud morn, IDs (Serra-ITALY)
 2/12 0847 EG/PD chorus, sfx, ID, nx (Robertson-CA)
 4895 COLOMBIA LV del Rio Arauca 2/17 0309 tlk abt Bogota, jingles
 TP, RCN IDs, ads (Paszkiwicz-WI)
 4900 CHINA Vo Strait 1/29 1213 lang/CH w/RS folk songs, tlk, ment
 Haixia (Murray-MA)
 4904.5 CHAD RNT 1/10 2033 FR tlk, Afropop, fair (Serra-ITALY)
 4905 CHINA CNR 2/3 2250 EG lang lesson, TP, ID (Rausch-NJ)
 4914.5 PERU R Cora 1/9 0423 SP mx, anmts, IDs, poor (Hankison-KS)
 1/7 0936 OA ballads, ID (Davenport-TN)
 4915 GHANA GBC 1/26 0519 lang/EG Afropop, ID, TC, chant (Serra)
 1/20 0450 lang drum mx, ID, Waf mx (Hankison-KS) 1/29 2323
 Afr mx, native inst, Anglican hymn, EG ID (Newbury-NE)
 4915t KENYA KBC 1/16 0515 lang, Afr mx, good (Newbury-NE)
 4920rf ECUADOR R Quito 2/1 0220 IDs, tlk of border conflict (Rausch)
 2/7 0532 pops, nx, IDs, ads for El Comercio (Lamb-NY)
 4920 SUMATRA Tanjung Pinang 2/9 1610 IN cmtry, ID, C&W (Williams-OR)
 4925 BOLIVIA San Miguel 1/17 1006 ID, kids chor, animal noise (Brown)
 4925 RIO MUNI RN 1/24 0553 SP Afr mx, tlkg drums, nx, TC (Lamb-NY)
 4925t SUMATRA Jambi 2/9 1649 on sudden IN/EG, nx, RRI IDs (Williams)
 4930.6 HONDURAS Internacional 1/20 0457* IDs, strong (Brown-MO) 1/26
 0450 SP mx, IDs, fair (Hankison-KS) 1/7 0159 anmts, ads, ID
 addr (Davenport-TN) 1/13 2110 SP pop mx (Emerson-COSTA RICA)
 1/22 0045 fast chit chat, pops, ballads, QTH refs (Jordan-PA)
 4935 PERU R Tropical 1/17 0958 moderate w/NA (Brown-MO)
 4945 BOLIVIA Illimani 1/28 0403* IDs, var mx, NA //6025 (Alexander)
 4950 ECUADOR Bahai 1/17 0916 flutes, IDs (Brown-MO) 2/1 0903 NA
 anmts, ID, HC flutes (Alexander-PA)
 4955nf COLOMBIA RN 1/29 0045 ID, ask for rpts, Musica de America
 Latina pgm (Rausch-NJ) 1/28 0140 IDs, ballads, salsa (Alex.)
 2/1 0457* Musica del Caribe, ID, Pasetas Colombianas (Lamb-NY)
 1/30 0420 LA mx from var ctries, ID, good (Newbury-NE)
 4955 PERU R Cult Amauta 2/1 0230 OA mx, pops, IDs, anmts (Jordan-PA)
 4959.6 VIETNAM VoV 2/9 1530 EG ID, addr, VT lesson, sked (Williams-OR)

4960 ECUADOR Federacion 1/17 2343 lang/SP long tlks, rustic mx, audio somewhat muffled (D'Angelo-PA)

4960 HONDURAS HRET 1/17 0130 ID, short pgm, mx (Field-MI)

4975 BRAZIL R Tupi 2/7 0450 Brasopop, IDs, Sao Paulo, ads (Lamb-NY)

4976 UGANDA RU 1/17 2032 lang ment Kampala, Uganda, pops (Serra) 1/16 0357 lang to 0400 EG ID, nx, fair (D'Angelo-PA) 1/15 *0259 drum IS, ID, EG church svc (Alexander-PA)

4980 VENEZUELA Ecos del Torbes 1/7 0900 Domingo Espectador (Daven.) 1/28 1048 air raid siren sfx, IDs (Pappas-SD) 1/26 0702* live folk mx, crowd noise, cmtry, IDs (Lamb-NY) 1/26 1132 ID, anmts good (Meece-OH)

4985 BRAZIL R Brasil Central 1/13 0110 echo anmts, pops (Davenport)

4990 ARMENIA Araks R 1/18 2037 Arm. nx //4810 (Serra-ITALY)

4990 NIGERIA Radio 1 Lagos 12/19 2200 EG ID, nx, pops (Anderson-MI)

4991 PERU R Ancash 1/15 1102 OA mx, ID, TC (Field-MI) 2/3 1130 R Ancash programa..patria..campesino (Robinson-TN)

5000 ERITREA Vo Broad Masses 11/27 *0329 IS, ID chant, nx //7020 (Rausch-NJ) 2/7 0415 long tlks, unrecog. mx, tiks //7020 (Rippel-VA)

5005 NEPAL R Nepal 2/3 1529 ID, vcls, ads (Williams-OR)

5010.3 ECUADOR Esc. Radiofon. Pop 1/28 1117 tkl, mx (Pappas-SD)

5020 COLOMBIA Ecos del Atrato 1/12 1140 Broadway mx, Caracol (Daven) 1/28 0400* anmts, LA mx, ID, NA (Alexander-PA) 1/21 0255 nice mx, many IDs (Emerson-COSTA RICA)

5020 NIGER LV du Sahel 2/5 0530 FR Afropop, ment Niamey (Rippel-VA)

5020t SHRI LANKA SLBC 1/26 1718 SC mx, anmts, TP (Williams-OR)

5025 BENIN ORTB 1/18 2040 ment Parakou, chants, FR tkl (Serra-ITALY) 1/22 2301* FR drama, tkl, pop mx, ID, NA (D'Angelo-PA)

5025 CUBA R Rebelde 1/7 2305 mx, ment Cuba, Castro (Davenport-TN)

5030 COSTA RICA AWR 1/28 1018 rel pgm, mx, ID (Pappas-SD) 1/22 0710 EG Wave Scan DX pgm //6150, 9724.9 (Alexander-PA) 2/11 0835 SP tkl o/mx, rel mx, ID (Robertson-CA) 1/13 0320 rel tkl insp mx, ment coverage area (Jordan-PA)

5034 CENT AFR REP 1/20 0509 FR ment Cent Afr Rep (Hankison-KS)

5040 COLOMBIA LV de Yopal 1/31 0431 RCN IDs, jingles, nx, promo for BBC rebx, LA oldies (Lamb-NY)

5043 ANGOLA EP Benguela 1/5 0449 pop, anmts, IDs (Klinck-NY)

5047 TOGO Lome 1/24 1951 EG/FR nx, IDs, mx bridge (Serra-ITALY) 1/17 2325 FR soft rock, C&W, soul, fair (Newbury-JE)

5049.8 ECUADOR R Jesus 1/13 0143 SP ID, TC, anmts, fair (Hankison-KS) 1/28 1131 M anncr, mx (Pappas-SD)

5050 TANZANIA RT 1/15 0252 SH tkl, Afropop, folk, EG 0330 (Alex.) 1/15 0345 EG nx, anmts, f-g (Newbury-NE)

5054.6v COSTA RICA TIFC 1/28 1111 tlks, mx (Pappas-SD) 2/4 0630 ballads, ID, TC //6175, 9644.7 (Alexander-PA)

5055 FRENCH GUIANA RFO Cayenne 2/11 0823 FR mx pgm, ID (Robertson)

5060 UZBEKISTAN R Tashkent 2/4 *2057-2128* IS, GM ID, nx, vcls (Rausch-NJ)

5065 USA WWCR 1/7 2330 EG Rock the Universe pgm (Davenport-TN) 1/6 0038 phone in pgm, exc (Levison-PA) 2/11 0813 EG rel pgm ID, addr (Robertson-CA)

5068.5 PERU Ondas del Sur Oriente 1/16 1035 OA mx, nx, ID (Field-MI)

5075 COLOMBIA Caracol 1/26 0501 nx, anmts, ID, fair (Serra-ITALY) 1/24 2310 folk mx, bank ad for instalment credit (Bickus-VA)

5131 PERU Vision 2000 1/27 0156 romantic mx, TC, ID (Grace-DC)

5453.9 ECUADOR R Alianza 2/6 0120-0300 ID, slogans, rel mx, NA (Rausch-NJ) new pirate per Henrik Klemetz on TLC

5700 PERU Frec San Ignacio pres 2/8 0329* LA vcl, poss ID, NA (Lamb) 1/28 0220 OA mx, anmts, IDs (Klinck-NY) 2/6 0215 flutes, vcls ID, huayno (Paszkiwicz-WI)

5745nf USA WHRI 2/17 0457* EG For the People, IDs, Universal Radio ad, switch to 7315, tnx Cushen on RNMN (Lamb-NY) 2/4 0002 EG USA Radio Nx, Ad for Tiny-tenna (Alexander-PA)

5770 NICARAGUA R Miskut 1/14 2339* anmts, ballads, ID, Ode to Joy 2337, NA, weak (Alexander-PA)

5825 USA WEWN 1/5 *2200 GM IS, ID, rel pgm (Placanica-ITALY)

5850 USA Monitoradio 1/28 0233 political tkl (Newbury-NE)

5850 USA KVHA 2/11 0806 EG rel hymns, ID (Robertson-CA)

This month reporters from 16 states & 3 countries! Next deadline 3/17.

International Band Loggings

Wallace C. Treibel
357 N.E. 149th Street
Seattle, WA 98155



- 5905 TAJIKISTAN R Nederland relay in EG *0030, IS, ID, Newline, ex-9860 (Rausch NJ 1/14)
- 5920 CROATIA Croatian R Zagreb in EG 0959, chorus mx, ID, nx in CR & EG, f (Serra ITALY 1/8)
- 5930 SLOVAKIA R Slovakia in EG 0100, tlk on Verdi opera, interview, folk wx, ID (Jordan PA 1/23)
- 5940nf? CZECH REPUBLIC R Metropolis in multi-lang 1640, test tape, sked, fqys, QTH (Ryan THAI 2/2)
- 5940nf RUSSIA V of Vietnam relay in EG *0400-0600*, first day of relay on 1/23, IS, ID, sked, nx, inail, from blind VT guitar player, folk mx (Rausch NJ 1/23, Lamb NY 1/27, Alexander PA 1/28)
- 5960 CANADA R Japan relay in EG 0312, recorded eyewitness rpt on Kobe quake (Newbury NE 1/29)
- 5965 OMAN BBC relay in EG 0100, ID, into nx, sever e QRM from REE 5970 (Hankison KS 1/19)
- 5975nf? GUATEMALA R K'ekchii in SP 1250, L Am mx, ID, fgy, TC at 1254, f (Hankison KS 1/10)
- 5975 ANTIGUA BBC relay in EG 2205, nx on Mexican monetary crisis, cmntry, exc (Bickus VA 1/10)
- 5980nf? CZECH REPUBLIC Radioropa Info in GM 0400-0630+, ID, Euro pops, f (Alexander PA 1/22)
- 59812 GUATEMALA AWR Union R in SP 0100*, relig mx, ID's "LV de Esperanza" (Alexander 1/15)
- 5990 ITALY RAI Roma in IT 1614, feature pgm, pop mx, //7290, 9755 (Serra ITALY 1/6)
- 5995 AUSTRALIA RA in EG 1240, tlks re gun control, nx ID, f-p (Jordan PA 1/13, Meece OH 12/29)
- 6005 SEYCHELLES BBC relay in EG 2102, nx headlines, ID 2114, g (Meece OH 12/26)
- 60058 COSTA RICA R Reloj in SP 0250, L Am pop mx, ID w/ment of Costa Rica (Rippel VA 2/6)
- 6010 MEXICO R Mil in SP 0830, variety mx, big production w/echo effect, ID, QTH (Jordan PA 1/13) in SP 1030, auto horn, ID, whistle (Flynn OR 1/12) in SP 01431, QTH (Hankison KS 1/10)
- 60148nf? BOLIVIA R El Mundo in SP 0955, mix of tlks, mx, nx, ID's, fgy, f (D'Angelo PA 1/19)
- 6020 AUSTRALIA RA PNG service in EG 1115, tlk of bad econ condx in PNG, ID (Meece OH 1/27)
- 6020 NETHERLANDS RN Flevo in EG 2335, rpt on Bosnian Serbs interdiction of UN (McGuire MD)
- 6030nf BELGIUM R Vlaanderen Intl in FR/DT? 2235, nx, field rpts, interviews, ID (Jordan PA 1/23)
- 6035 THAILAND VOA relay in EG 2240, ID, intl nx in spec EG, econ rpt (Rausch NJ 1/22)
- 6050 ECUADOR HCJB Quito in SP 1218, mx pgm, variety of vcls, instrmls, ID (Robertson CA 2/2)
- 6055 SLOVAKIA AWR in EG 2125, ID's, QTH for rpts, DX nx, Lifetalk (D'Angelo PA, Anderson MI)
- 6060 ITALY R Uno Sicily in IT 2045, futbol match, ID (Rausch NJ 1/14) in IT 2215, tlk, 4 pips, TC, jazz pgm, ID 2258, fqys, off briefly, into RAI pgming, QRM after 2300 (Berg MA 1/16)
- 6060 CUBA RHC in SP 0315, OM w/polemics (Castro?) & cheering crowd, fqys, ID, IS (Jordan PA 2/4)
- 6060 AUSTRALIA RA in CH 1200, ID, nx, classical piano, Mozart aria, f-g (Lamb NY 1/29)
- 6065 SWEDEN RS in EG 2146, "Media Scan", ID, QTH, pop mx, //9655 (Serra ITALY 1/3)
- 6090 CHILE R Esperanza in EG/SP 0755, unusual EG relig pgm, into SP 0800, QTH (Berg MA 1/22)
- 6090 PERU R Luz Universal in SP 0920, uptempo relig pgm, jingles, ID, QTH Cusco (Rausch NJ 1/14)
- 6110 PHILIPPINES VOA relay in EG 1201, intl nx, ID, rpt of floods in Holland, g (Robertson CA 2/3)
- 6115 PERU R Union in SP 0518, ID, into Latin mx, f-g (Hankison KS 1/26)
- 6120 CANADA R Japan relay in EG 1155, nx, sked, fgy, ID, quake rpt (Robertson CA, Meece OH)
- 6135 SWITZERLAND SRI in EG 0110, rpt on European Union, ID, g (McGuire MD 1/12)
- 6110 HUNGARY R Budapest in EG 2200, ID, "DX World", f (Placanica ITALY 1/1)
- 612996v LAOS Lao National R(p) in lang 1136, M&W tlk, SEA nx, lots of f/o, weak (Murray MA 2/11)
- 6140 MOROCCO VOA relay in EG 0530, "VOA Wed. Morning", nx, f (Lamb NY 1/25)
- 6155 AUSTRIA RAI in EG 1130, ID, New Year concert w/Vienna Philharmonic (Placanica ITALY 1/1)
- 6165 INDIA AIR Delhi in lang 1220, Hindi mx, nx 1230, some tlks, hrd daily (Urbelis NY)
- 6185 MEXICO R Educacion in SP 0958, mx, tlk pgm, ID, het QRM, f (Robertson CA 1/31)
- 6200 CZECH REPUBLIC R Metropolis in multi lang 2300, IS, ID, 5 min station info repeated in CZ/RS/EG/GM, test xmsn include also QTH (Klinck NY 1/7, Frodge MI 1/14, Grace DC 1/24)
- 62039 PERU R Cusco in SP 1014, OA mx, tlks by OM, ID's (Klinck NY 1/25)
- 6205 ECUADOR HCJB Quito in EG 0730, nx bulletin, "DX Party Line", f (Placanica ITALY 1/7)
- 6250 NO KOREA Pyongyang BCS in KR 2300, lite mx bumpers (sic), pips, //6400 (Frodge MI 1/14)
- 62504 EQUATORIAL GUINEA RN de Guinea(p) *0457, NA, Afro pops, no ancms (Rippel VA 2/7)
- 6260nf GREECE V of Greece in GK/EG *2358-0351*, IS, NA, GK tlk 0000, GK mx, into EG 0132, repl 9420, //7448 (Alexander PA 1/28, Lamb NY 2/10, Berg MA 1/7, Jordan PA 2/10)
- 6472 PERU R Luz y Sonido in SP 0045-0104*, ballads, OA mx, ID's (Alexander PA, Klinck NY 1/31)
- 65601 IRAQ Rep of Iraq R *0252-0340+, clucking chicken IS, NA, Koran, AR mx (Alexander PA 1/29)
- 6570 MYANMAR Def Forces BC Unit(p) in lang 1248, vcls w/SEA instrmts, lcl mx (Murray MA 1/29)
- 6576 NO KOREA R Pyongyang in EG 1137, tlk on KR revolution, propaganda, ID (Robertson CA 2/3)
- 66273 PERU LV de San Antonio in SP 0128-0417*, DJ chatter, OA mx, anms, huaynos, ID's, TC, closing ancms 0413, f (Alexander PA 2/5, Grace DC 1/27)
- 67265 PERU R Satellite in SP 0040-0329*, electronic sfx, ID, OA mx, NA (Alexander PA, D'Angelo PA)
- 68032v PERU R Ondas del Rio Mayo in SP 0200*, tlk, OA mx, ID, huaynos (Alexander PA, Frodge MI)
- 6870 SOMALIA R Mogadishu in AR/Somal(p) *0330-0402*, Koran speech & chants, clear mention of Mogadishu (Rippel VA 2/6, Rausch NJ 2/8) Rippel rpts xmsn in AM, Rausch rpts USB)

- 68954v PERU R Sensacion in SP 2356-0055*, ancmts, L Am mx, ID, huaynos, comunicados & TC, s/off w/NA, RTTY QRM (Alexander PA 2/4, Lamb NY 2/9, Grace DC 1/27)
- 7105 RUSSIA Universal Life in EG *0330-0358*, relig pgm from GM ministry, ID (D'Angelo PA 1/23)
- 7115nf MONACO TWR in EG 0735, IS, ID, fqy, relig pgm, ex-7120 (Alexander PA 1/15, Urbelis NY)
- 7130nf GERMANY R Nederland relay in EG *1127-1325*, nx, IS, ID, QTH (Lamb NY 1/29, Urbelis NY)
- 7135nf? MOZAMBIQUE Voz da Renamo in lang?, ID, into choral mx, f (Meece OH 12/29)
- 7150nf SWAZILAND TWR in EG/Vern *0354-0459*, IS, ID in EG, into Vern pgming 0400, tlk, Af pops, choral mx, Vern ID's 0429, 0458, ex-7140, g (Alexander PA 1/8)
- 7180 HONG KONG BBC relay in Mandarin 1050, pop mx, pips, ID 1100 (Rausch NJ 1/14)
- 7190 YEMEN Dern Rep of Yemen R in AR 0255, nix, ID 0300, nx (Rippel VA 2/6)
- 7200 RUSSIA R Yakutsk in RS 0047, cnntny, occasional bumper(sic) mx, ID's (Frodge MI 1/20)
- 7210 RUSSIA Khabarovsk R Tikhiv Okean in RS 1132, folk mx, humor, TP, ID, nx (Robertson CA 2/2)
- 7220 HUNGARY R Budapest in HG 2305, national & political nx, native mx, f (McGuire MD 1/13)
- 7225 SRI LANKA Deut Welle relay in EG 1600, nx, classical mx, GM lesson (Ryan THAILAND 1/22)
- 7235 ITALY RAI Roma in EG 2025-2045*, IS, ID, national & European nx (Rausch NJ 1/15)
- 7255 NIGERIA VON in EG 0500, "Reflections", ID, mx requests, (Anderson MI 1/13, Rausch NJ 1/7)
- 7260nf? IRAN VOIRI in EG 1930, IS, ID, NA, Koran, nx, f, better on //9022 (Alexander PA 1/14)
- 7270 CROATIA Croatian R in EG 0900, short nx bulletin, lite mx to 1000, f (Placanica ITALY 1/6)
- 7275 CHINA Guizhou Peoples BS in CH 1120, M/YL dialogue, CH mx bridges, ID (Robertson CA 2/2)
- 7280 BOTSWANA VOA relay in EG 0309, nx of OJ Simpson trial, Kobe quake, ID (Hankson KS 1/19)
- 7285nf? THAILAND HSK9 Udom in EG/langs (VT & Khmer) *1100, ID's, IS, gongs, exc (Urbelis NY)
- 72859v MALI RTVM in FR/Vern 0705, march mx, tlks, folk mx, //9634, 11960, f-p (Alexander PA 1/22)
- 7290 ITALY RAI Roma in SP/PT 2054, nx, ID's, fqy, QTH, IT songs, NA, IS (Serra ITALY 1/6)
- 7300 RUSSIA V of Russia in IT 2046, feature on IT class mx in Russia, ID, cmntry (Serra ITALY 1/6)
- 7305nf? CZECH REPUBLIC R Metropolis in multi-langs 2230, ancmts in langs, ID, QTH, address as per NASWA Jour 1/95, p 33, history of station, sked, tech info, f (Jordan PA 1/17)
- 7370nf? CROATIA Croatian R in EG/CR 0900, nx bulletin in EG, nonstop ezl mx (Placanica ITALY 1/6)
- 73853v COSTA RICA RFPI in EG 0939, F.I.R.E pgm & World of Radio (Pappas SD 1/29, Newbury NE)
- 7400nf? PHILIPPINES R Pilipinas in SP/EG 0020, M anc in SP, EG, ID, ment Quezon City (Kaminsky NJ)
- 7412 INDIA AIR Delhi in EG 1817, HD classical song, ID, sports, nx, cmntny on Pres Mandela of South Africa, mailbag, DX'ers Corner, mx, //9950, 11620, 9650 (Serra ITALY, Placanica ITALY 1/23)
- 7470 CHINA CRI Xi'an in IT 2030, IS, ID's, nx, mx, "Vita Culturale" (Serra ITALY 1/6)
- 7504 CHINA CPBS Xi'an in CH 1106, M & YL dialogue, ID(p), f (Robertson CA 2/2)
- 7516 CHINA CPBS Beijing in CH *1100, YL w/mx pgm tlling over mx, IS, ID (Robertson CA 2/2)
- 7820 CHINA CRI Beijing in RS 1051, tlk with child, ID, IS in CH/RS, nx, g (Robertson CA 2/2)
- 9200 SUDAN R Omdurman in EG/AR 1856, vocal chants, nx in EG, req recep rpts, no clear ID, all AR after 1900 (Frodge MI 12/31) long chants 0325, call to prayer, presumably in AR (Rippel VA 2/6)
- 9345 NO KOREA R Pyongyang in EG 1307, nx, cmntny on the new leader, ID, f (Ducharme MA 1/27)
- 9370 GUAM KSDA AWR in EG 1303*, relig mx, V of Hope, ID, QTH in EG & lang (Ducharme 1/27) in EG 1500-1700*, DX pgm, V of Prophecy (Placanica ITALY, Anderson MI, Urbelis NY)
- 9400usb COSTA RICA RFPI in EG 2100, cmntny on several issues, nx, tlk on women's rights & UN, QTH (Jordan PA 1/14, Newbury NE 1/6, Humenyuk ONT 1/5, Frodge MI 1/24, Levison PA 1/8)
- 9420nf? ECUADOR HCJB Quito in EG 0743-0830*, "Saludos Amigos" bcst to Eur (Pappas SD 1/22)
- 9445nf? SLOVAKIA AWR Slovakia in 0900, ID's, "Lifestyle Magazine", DX pgm (Placanica ITALY 1/15)
- 9470 PAKISTAN RP Islamabad in EG 1610, Koran, nx, Urdu mx mix, ID's (Urbelis NY)
- 9480 ARMENIA R Intercontinental in GM *2159-2235+, IS, ID's, nx, tlks, nx, relig tlk, choral vocals (Jordan PA 1/23, Urbelis NY, Klinck NY 1/7, D'Angelo PA 1/22) Station also referred to as Radio Mitternachtstruf. Also Berg (MA) rpts Radio Voice of the Martyrs test pgm on 1/14 from 1800 to 1813 w/light relig mx & ID in GM, EG, FR & QTH 'Konstanz, Germany'
- 9485 CZECH REPUBLIC R Prague in EG 1625, ID, nx from Eur press (Rausch NJ 2/6)
- 94989nf SWAZILAND TWR in EG *0501, IS, ID, relig pgm, QTH (Alexander PA 1/8, Field MI 2/5)
- 9500 VATICAN STATE VR in EG 1605, Holy Mass w/Alleluia song, //11640 (Serra ITALY 1/7)
- 9505 CUBA RHC in SP 0135, ID, L Am mx, nx (McGuire MD, Newbury NE, Robertson CA 2/2)
- 9505nf? PHILIPPINES R Veritas in EG 2305, ID, W anncr hosting pop mx pgm (Newbury NE 1/6)
- 9515 CANADA BBC relay Sackville in EG 1545, modern mx composition, nx on hr (Newbury NE 1/6)
- 9525nf? SOUTH AFRICA TWR in EG *1803, IS, ID, relig pgming, weak sig (Alexander PA 1/7)
- 95348 ANGOLA National R in EG 2000, nx, pop mx, ID, vg 2000-2028 only (Alexander PA 1/14)
- 9535 JAPAN NHK Tokyo in EG 1450, ID, Media Roundup, //11705 (Rausch NJ 1/22, Newbury NE 1/7)
- 9535 PORTUGAL Deut Welle relay in EG 0349*, nx, ID, sports rpt (Hankson KS 1/20, Humenyuk ONT)
- 9555 PHILIPPINES R Veritas Asia in langs 1330, HD rel tlks, ID in EG, into Bengali (Placanica ITALY)
- 9555nf? UNITED KINGDOM R Korea relay in EG 1430, ID's, mailbag pgm, g (Placanica ITALY 1/15)
- 9560 ETHIOPIA V of Peace in EG/FR/langs 0400, ID's, "R Amahoro" pgms, mx, f-p (Urbelis NY)
- 9605 MADAGASCAR R Netherlands relay in EG 1850, "Newslime", mx, ID, //6015 (Serra ITALY 1/6)
- 9615 RWANDA Deut Welle relay in EG 2058, IS, site ID, nx, "European Journal" (Meece OH 1/26)
- 9620 SRI LANKA Deut Welle relay in GM 1545, ID, mx variety pgm (Rausch NJ 1/22)
- 9630nf? IRAQ Holy Medina R in AR 1915, ME mx, tlk by YL w/ment of Medina (Rausch NJ 1/8)
- 9630 COSTA RICA R Ext Espana relay in SP 0235, tlks, guitar mx, ID, nx, fqy, IS, political discussions (Jordan PA 1/20, McGuire MD 1/14, Robertson MD 2/2)
- 9640 ANTIGUA BBC relay in EG 0525, rpt on US investments in India, g (McGuire MD 1/13)
- 9640 SPAIN R Liberty relay in RS 0427, old time jazz, big band mx, ID, tlks, f-g (Lamb NY 2/8)

9645 THAILAND VOA relay in EG 1237, "Talk to America" interview, TC, ID, f-p (Meece OH 1/13)

9650 BANGLADESH RB in EG 1235, international nx, ID, vocals, Asian nx to 1300* (Rausch NJ 1/8)

9670 IRAN VOIRI in EG *0030, IS, NA, ID, prayers, drum roll into nx (Jordan PA 1/24, Flynn OR 1/12)

9670 RWANDA Deut Welle relay in EG *2100-2150*, IS, site (reactivated) ID, nx (Rausch NJ 1/21)

9700 BULGARIA RB in EG 0000, fqys, ID, IS, nx, ethnic mx (Jordan PA, Newbury NE, Levison PA)

9705 PORTUGAL RDPI Lisbon in EG 0230, nx, wx, fqys, pgm lists, f (Newbury NE 1/7)

9720 NETHERLAND ANTILLES R Nederland relay in EG 0817, pgm on mx/art (Robertson CA 1/31)

9720 SRI LANKA SLBC in EG 1430, ID, into "Top of the Pops" mx pgm, f (Ducharme MA 1/18)

9730 MYANMAR RM Yangon in EG 0700, nx, pops/RNR oldies to 0730* (Ryan THAILAND 1/6)

9735 PARAGUAY RN de Paraguay in SP 2248, serious mx, ID, NA, speech (Frodge MI, Newbury NE)

9770 AUSTRALIA RA in EG 1530, ID, "Innovations", rock-a-billy mx (Placanica ITALY, Newbury NE)

97803 YEMEN Rep of Yemen R in EG/AR 1800-2101, Eg pgming to 1900 then into AR, nx, Eur o pops, US rx, NA 1859, haunting AR instrmls, mournful vcls, ID (Alexander PA 1/14, Jordan PA 1/28)

9790 FRENCH GUIANA RFI relay in SP 1027*, polit pgm, LA mx, ID in sev langs (Serra ITALY 1/8)

9810 RUSSIA R Nederlands relay Irkutsk in EG 1030, nx, site ID, cmntry (Ducharme MA, Urbelis NY)

9810 SEYCHELLES FEBA Mahe Is. in lang 1257, IS, site ID, in EG, subcont mx, g (Ducharme 1/26)

9830usb CUBA RHC in EG 0320, childbirth disc, Cuban pop mx, ID, nx, pgm preview (Jordan PA 1/27)

98398 VIETNAM V of Vietnam in EG 1230, economic nx, mx, ID, p (Anderson MI)

9840 MADAGASCAR R Nederland relay in EG 0052, "Media Network" by J Marks (Humenyk ONT)

9840 KUWAIT R Kuwait in AR 2305, AR instrmls, voice-over, nx?, prayers, ID, p (Jordan PA 1/27)

9850nf? BULGARIA R Bulgaria in IT 2115, ID, fqy, TC, feature, folk/pop songs, //7245 (Serra ITALY 1/6)

9865 SEYCHELLES FEBA Mahe Is. in AM 1730, defin ID, Bible pgms, hymns (Urbelis NY)

9895 MADAGASCAR R Nederland relay in EG 1505, sports, ID, banjos (Hankison KS, Newbury NE)

9935 GREECE VoGreece in EG 1830, GK mx, spec test xmsn for Africa, nx, //11645 (Rausch NJ 1/29)

11335 NORTH KOREA R Pyongyang in EG 0000, nx re Korea, ID, usual propaganda, f (Anderson MI)

11615 FRANCE RFI in EG 1200, "Focus on France", ID, econ rpt (Anderson MI 1/21, Humenyk ONT)

11630nf? CROATIA Croatia R in CR 1955*, nx bloc, sels of US/Euro pops, ID's, f (Jordan PA 1/14)

11640 VATICAN STATE VR in EG *1600, ID, fqy, nx re Pope visit to Philippines (Ducharme MA 1/12)

11665 RUSSIA R Nadezhda in RS 1315, phone-in, pops mx, YL DJ, ads, ID's (Ryan THAILAND 1/25)

11690 PHILIPPINES FEBC in EG 0927, IS, ID's, nx re Kobe earthquake, Bible, hymns (Urbelis NY)

11700 SWEDEN R Sweden in EG 1830, "60 Degrees North", "Mediascan" (Placanica ITALY 1/3)

11700 GABON RFI relay in EG 1600, "A look at the French Press", intl nx (Placanica ITALY 1/2)

117051v BRAZIL R Nova Visao in PT 2205-2300*, tkl by M/W, BR ballads & relig mx, many ID's, prayer, pulled plug midway thru NA, formerly R Transamerica (Alexander PA 2/4, Rausch NJ 1/29)

11710 ARGENTINA RAE in SP 0220, breezy tlks, orch mx, ID, QTH, fqy (Jordan PA, Pappas SD 1/28)

11715 MALL China R Int in EG 0014, spec Spring Festival mx, orig CH instrmls (Newbury NE 1/30)

11720nf CUBA RHC in EG *2100, IS, ID, fqys, pgm sked, L Am mx, sports (Serra ITALY, Rausch NJ 2/6)

11730 SOUTH AFRICA(p) TWR in EG *0601, IS, ID, "Radio Bible Class", xmt site? (Alexander 1/8)

11735 FINLAND RF in EG 1230, "Nordic Report", joint product of Nordic countries (Anderson MI 1/21)

11750 ASCENSION IS BBC relay in EG 0130-0200*, comedy, abrupt s/oif before nx (Jordan PA 1/15)

11785 GABON R France Int relay in IT 0546, nx, ID, pgm re oregami, f (Serra ITALY 1/26)

11790 SEYCHELLES FEBA familiar IS hrd twice during VOIRI silent period 1529 (Hankison KS 1/7)

11790 IRAN VOIRI in EG 1527, IS, ID, NA, Koran, nx, f (Alexander PA 1/14, Hankison KS 1/7)

11810 JORDAN R Jordan in AR 1145, AR vocals, nx, ID "Huna Amman" (Ryan THAILAND 1/19)

11830 BRAZIL R Anhanguera in PT 0905, lcl info, many ads, ID's, TC, BR pop mx (Urbelis NY)

11830anf? MOZAMBIQUE RM Maputo in PT 2000, ID's, "Renamo" pgms, TC, hilife mx (Urbelis NY)

11850nf JAPAN RJ Tokyo in EG 2345, ID, interview re Kobe earthquake, phone #'s (Rausch NJ 1/21)

11850 NORWAY Dem VO Burma relay in lang 1433, tkl, into RN pgning 1500, ID (Pappas SD 1/14)

11855 BRAZIL R Aparecida in PT 0905, BR pop mx, ID's, ads (Urbelis NY)

11870 SEYCHELLES FEBA in EG 1524-1549*, pop songs, QTH in Bangalore-India, nx, ID's, sermons, relig mx, IS (Serra ITALY 1/7, Ryan THAILAND 1/28)

11905nf THAILAND R Thailand in EG *0030, tkl on copyright invasion of software (Newbury NE 1/28)

11905 TAIWAN CBCS Taipei in CH 0720, classical mx, ID, long tlks, //11775 (Ryan THAILAND 1/11)

11920 SINGAPORE BBC relay in Sinhala 1500, ID, pips, nx w/several ments Pakistan (Hankison KS 1/7)

11925 GABON NHK Japan relay in EG 2120, ID, "Living in Japan" (Rausch NJ 2/6)

11935 SAUDI ARABIA BSKSA in AR 1940, Holy Koran, chants, ID, tkl (Ryan THAILAND 1/17)

11940 ROMANIA RRI Bucharest in EG *1300-1400*, IS, ID, fqy, nx, press review, f (Jordan PA 2/7)

11940 CAMBODIA Nat VO Cambodia in EG *1200, tkl on economy, nx (Ryan THAILAND 1/13)

11950 SAUDI ARABIA BSKSA Jiddah in AR 1508, call of Islam chants, tkl, //11780 (Ryan THAI 1/18)

11955 SINGAPORE BBC relay in EG 0005, ID, intl nx, UK nx, sports info (Rausch NJ 1/22)

11990 KUWAIT R Kuwait in EG 1830, dance mx, ID as relay of Superstation FM 99.7" (Meece OH 1/26)

12000 MONGOLIA Ulan Bator R in EG *1445, IS, ID, sked, tkl on agriculture (Ryan THAILAND 1/6)

12005 TUNISIA RTV Tunisienne in AR 1600, M & W alternating tlks, AR mx, jammer (Flynn OR 1/12)

120199 VIETNAM VO Vietnam in EG *2030-2058*, IS, ID, intl nx, mx from VT films (Rausch NJ 1/28)

12035 SPAIN REE in SP 1040, DX pgm "Amigos de la Onda Corta", ID's, QTH, lite mx (Serra ITALY)

12040 RUSSIA R Atlantika in RS 1700, intl nx pgm, interviews, NA, pips, ID 1759 (Jordan PA 2/4)

- 12050 RUSSIA Khabarovsk site in EG 2035, R Aum Shinriko pgm, "Meditation", f (Flynn OR 1/22)
- 12075nf SWITZERLAND SRI in EG 1510, "Newsnet" re efforts of Red Cross in unstable Afr countries, //13635 (Rausch NJ 1/8) in IT 1638, nx, ID, fgy, QTH, IS (Serra ITALY 1/6)
- 12085 SYRIA Syrian BCS in AR 1440, brief classical mx, no ID hrd, tentative log (Hankison KS 1/21)
- 12150usb COSTA RICA RFPI in EG 0238, tlk on fishing, request for donations, QTH (Levison PA 1/10)
- 13615 BANGLADESH RB Dacca in EG 1233, nx, cmntry, econ tlk, ID's, Urdu nx (Urbelis NY)
- 13640 CROATIA Croatian R Zagreb in EG 1303, nx re war in Bosnia, ID, g (Anderson MI 1/21)
- 13670 SO KOREA R Korea Int in EG 0815, pop songs w/DJ, DX pgm, ID, f-p (Serra ITALY 1/22)
- 13680 BULGARIA VOA relay Plovdiv in EG *1800-1900*, "Daybreak Africa", nx (Ryan THAI 2/1)
- 13710 BOTSWANA VOA relay in EG 2110, African svce, nx on ME affairs, exc (Bickus VA 1/10)
- 13732nf? INDIA AIR GOS in EG *1330, nx, UN Radio pgm, Nx Magazine, //15120 (Ryan THAILAND 1/7)
- 13760 NO KOREA R Pyongyang in EG 0008, M anncr, ID's, f, //11348, 15130 (Pappas SD 1/1)
- 13785 UZBEKISTAN R Tashkent in EG 1200, ID, pgm celebrating anniversary of indepe ndence, f (Placanica ITALY 1/4) in EG 1358*, IS, ID, nx, cmntry, folk mx, f-g, //9715 (Alexander PA 1/28)
- 15110 MALI China R Int relay in EG 2025, ID, stock rpt, interview nigr Hilton Hotel (Newbury NE 1/10)
- 15115 NEW ZEALAND RNZI in EG 2150, comedy skit w/lively audience, world nx, p (Jordan PA 1/14) in EG 2130, ID, "Sounds of the South Pacific", cricket results, cmntry, g (Bickus VA 1/10)
- 15145 PORTUGAL Deut Welle relay in EG 1900, fgy's, nx, ID, "Africa in the GM press" (Lamb NY 2/4)
- 15151nf? COSTA RICA UN Radio in EG 2137, nx in review, ID, g (Pappas SD 1/8)
- 15185 UNITED KINGDOM VOA relay in Uzbek 1522, cmntry by YL re Arafat, ex (Humenyk ONT 1/14)
- 15185nf EQUATORIAL GUINEA R Africa in EG 2000, Bible pgm format, ID's, QTH (Urbelis NY)
- 15240 SO AFRICA Channel Africa in EG 1630, African nx, ID, mx (Placanica ITALY, Bickus VA 1/24)
- 15330 UZBEKISTAN UR Tashkent in lang 0530, IS, ID, nx, UZ folk nx to 1240 (Ryan THAI 1/28)
- 15345 ARGENTINA RAE in SP 2130, tango nx, cmntry, ID (Newbury NE 1/14, Humenyk ONT 1/15)
- 15370nf ARMENIA Araks R Agency in EG 0928, ID, christian rel mx, carrier only from 0942-0945, fgy, IS, into FR pgm, Sundays only, //15275, g (Serra ITALY 1/8)
- 15400 ASCENSION IS BBC relay in EG 1933, "This Week in Africa", African nx (Meece OH 1/13)
- 15400 FINLAND R Finland in EG 1434, "Compass North", Nordic nx, ID, press review (Meece OH 1/13)
- 15410 MOROCCO VOA relay in EG 2145-2200*, "News Hour", British royal scandal (Bickus VA 1/10) "World Report" in EG 2111 (Meece OH 1/23) EG nx 2123, promo, ID, f (Lamb NY 2/9)
- 15435 UNITED ARAB EMIRATES R Dubai in EG 0535, nx, ID's, QTH, AR mx, feature (Serra ITALY)
- 15445 BRAZIL Radiobras in EG 1215-1319*, BR econ nx, ID, Sunday Special (Meece OH, Hankison KS)
- 15495 KUWAIT R Kuwait in AR 1215, drama, ID, nx, s/off 1300* (Ryan THAILAND 2/5)
- 15640 ISRAEL Kol Israel in EG 1406, "Calling All Listeners" mailbag, "DX Corner", both shows said that slashing of KI's budget could put them off the air, requested protest letters (Meece OH 1/8)
- 15675 HONDURAS R Copan Int in EG 2030-2220. "Viva Miami" pgm, OM ID'ing as R Albatross Int (via R Copan Int), 50's rock mx (Jordan PA 2/5, Field MI 2/5, Urbelis NY)
- 15665 USA WVHA via WCSN (before sale was final) in EG 1530, relig pgm, ID (Placanica ITALY 1/5)
- 17510 HAWAII KWHR Naalehu in CH(p)/EG 2240, CH rel ig tlks, hymns, ID, QTH, f (Lamb NY 2/12)
- 17620 FRANCE RFI in EG 1645, FR mx adapted from Tchaikovsky, //15300 (Newbury NE 1/14)
- 17780 GABON R Japan relay in IT 1115, ID, nx, spec pgm re IT lite mx in Japan (Serra ITALY 1/8)
- 17800 FINLAND R Finland in EG 0905, nx, ID, "Finnish Media Comment", //15330 (Serra 1/22)
- 17810 SO AFRICA Channel Africa in EG 1029, spec report, mx, nx, ID, feature, f-g (Serra ITALY 1/6)
- 17860 RWANDA Deut Welle relay in GM 2200*, tlks re Cologne, GM posts, site ID (Lamb NY 2/12)
- 17860 AUSTRALIA RA in EG 2145, "Network Asia", ID, nx, sports scores (Rausch NJ 1/22, Lamb 2/12)
- 17900v PAKISTAN R Pakistan in EG 1120*, nx, tlk re economy, noticeable hum (Ryan THAILAND 1/26)
- 17905usb COSTA RICA RFPI in EG 1847, children singing, boogie mx, ID, exc (Levison PA 1/8)
- 21455usb ECUADOR HCJB Quito in EG 1726, "Studio Nine", 4 pips, feature, f (Meece OH 12/29)
- 216049 UNITED ARAB EMIRATES R Dubai in EG 1030, fgy, pips, nx, ID's, f-p (Serra ITALY 1/8)
- 21725 AUSTRALIA RA in EG 0915, mx, "Soundabout" w/DJ, ID, world nx, feature, f-g (Serra 1/22)

CLANDESTINE STATIONS

- 9942v GUATEMALA LV del Cid in SP 1318, tlk, "Fiddler on the Roof" mx, ID's, f (Pappas SD 1/15)
- 11945 RUSSIA Free Radio Voice of Ethiopian Unity in Amharic *1559-1700*, flute IS to 1600, ID over flute mx, tlks, short mx sels via Voice of Russia xmtrs, station hostile to ruling Ethiopian and Eritrean governments (D'Angelo PA 1/8)

Several contributors send in their loggings on a page or two without clipping them into individual slips which is OK if you consider the task of cutting them is not worth the time to do it. Since they have to be cut before I can start sorting, I have to do the job and this delays preparation of the column during the deadline period. In any event, it is better that I do this than not receive the loggings at all but your cooperation in cutting the loggings will be much appreciated. Also, some of the logging slips are so small (3/8" for example) that they are difficult to handle. The optimum size is 3/4" or 1" high. There have also been a few loggings that contain so few program details that they are not of interest to other members who may wish to try logging the station themselves.

The turnout this month was excellent with many fine reports on new frequencies and hard to catch stations. Thanks to those who continue to share their information with the rest of us.

English Schedules

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Prepared 2/23/95.

Thanks to Chuck Albertson (WA), Ed Evans (WSHB), Lars Gunnarsson (TWR), Jonathan Marks (R Netherlands), Dr. Adrian Peterson (AWR), and Andy Sennitt (WRTH).

The sale of WCSN in Maine was concluded on January 31. The station was sold to World Voice of Historic Adventism (WVHA), an affiliate of Prophecy Countdown, Inc., for \$5 million.

Chuck Albertson writes via email on the 19th: "Radio Moscow (sorry, Voice of Russia) seems to have moved up to some higher frequencies ahead of schedule. I've noticed their Goros Rossii service in Russian on 13605 kHz most afternoons (2000+ UTC), except for today (Sunday) when they shut down at 2100. I've also noted 17665 in English between 2300 and 0000; they go out of English at 0000, go into Russian around 0030, and then switch back to English at 0100." This message prompted me to look around for what else was new, and the changes found are included this month.

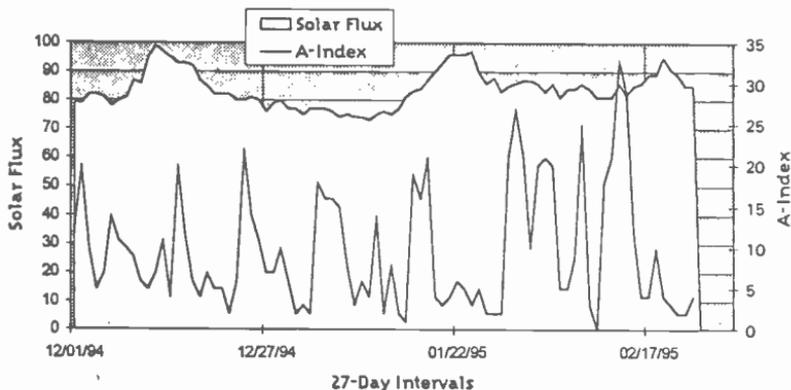
If you haven't been listening to Rich McVicar hosting *The Latest Catch* on HCJB (UT Th 02 and 06 to NAm), you've been missing some very timely information on interesting and rare loggings. I've added some new ones that I wouldn't have otherwise thought to listen for.

AWR Asia will conduct daily test broadcasts beamed toward Australia and New Zealand from March 26 to June 24. This will be the first time that AWR has targeted the south Pacific. 9530 (KSDA 1, 100 kW, 245 degrees) will be used. No times yet, so listen to *Wavescan* for further details.

Late word received yesterday from the TWR Frequency Manager of Swaziland is that transmissions have started from their Johannesburg transmitters in Meyerton on December 4. Transmissions, using 500 kW, are to East Africa in Swahili and English 0333-0427 on 9500 (19 deg) and 1803-1857 on 9525; to West Africa in Hausa, Fulani, Twi and Yoruba 0600-0657 on 11730 (325 deg) and 1900-2057 on 9510 (338 deg). The 0333 UT release on 9500 moves to 7165 from March 26.

Dan Robinson, Bangkok, has a new email address: voabkk@ksc.au.ac.th. The old address will be phased out. On the beach at Phuket with a "new" Kiwa-modified Sony ICF-2010, Dan reports the Indian ATA time signal station, the Zambia Christian Radio station at 17-18 on 6065 through R Sweden... and tons of Indonesian, Indian and seAsia regionals. For those coming to the Winterfest, Dan has made a tape of some of the wonderful things that he hears from Thailand ... and most of us just dream about logging. He's offered to act as a tour guide for a DXpedition if you want to go...

SOLAR FLUX & A-INDEX: DEC '94-FEB '95



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SCHEDULES

START END	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST UPDATE
0000						
0030	Norway	R Norway Int'l	5910 5905	NA/N/SAm	Mo only	02/05/95
0400	USA	WVHA	7465	AI/Aus	Su	02/03/95
0100						
0400	USA	WVHA	7465	sAs/ME	Sa	02/03/95
0130						
0140	Greece	V of Greece	9935 7448 6260	Aus/NAm		02/20/95
0200						
0230	Norway	R Norway Int'l	7450	NA/N/CAm	Mo only	02/05/95
1400	USA	WWCR	5935	Eu/ME/nAt	tx #2	02/20/95
0300						
0400	Costa Rica	Lighthouse of Caribbean	5055	LAm		02/12/95
0315						
0330	Greece	V of Greece	9935 7448 6260	Aus/NAm	Su&Th	02/20/95
0340						
0350	Greece	V of Greece	9935 7448 6260	Aus/NAm		02/20/95
0400						
0500	Russia	V of Russia	7105	World Service		02/20/95
0600	USA	WVHA	5850	Eu	Sa	02/03/95
0600	Vietnam	V of Vietnam	5940	Eu	Pgm rpid 4x	02/18/95
0500						
0530	Norway	R Norway Int'l	5910	WNAm	Su only	02/05/95
0600	Russia	V of Russia	7340 7105	World Service		02/21/95
0515						
0525	Rwanda	R Rwanda	6055	AI	news	02/23/95
0600						
0620	Vatican State	Vatican Radio	6245 4011 1530 527	Eu		02/18/95
0640						
0820	Monaco	Trans World Radio	7115	UK	Sa-0835(Su-0845	02/01/95
0730						
0745	Vatican State	Vatican Radio	15210 11740 9645 7250 6245 4011 1530 527	ME/Eu/WCS	Mo-Fri/European 1st p	02/18/95
0800						
0830	Norway	R Norway Int'l	11735	NZ/Aus	Su only	02/05/95
1100	USA	WVHA	5850	Eu	Sa	02/03/95

SCHEDULEB

START End	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST Update
1000						
1100	India	AIR	17895 17387 15180 15050	GOSMeAs/Aus/NZ		02/05/95
1100	Russia	V of Russia	12015 11675 9550 9450	World Service		02/20/95
1100	USA	WWHA	5850	Eu	Su	02/03/95
1100						
1200	Russia	V of Russia	17860 15265 12015 11675 9550 9450 7205	World Service		02/20/95
1545	USA	WWHA	11695	Eu	Sa	02/03/95
1145						
1155	Rwanda	R Rwanda	6055	Af	news	02/23/95
1200						
1230	Norway	R Norway Int'l	15165 11850	Aus/As	Su only	02/05/95
1300	Russia	V of Russia	12015 11675 9540 9450 7205	World Service		02/20/95
2400	USA	WWCR	15685	Eu/ME/h/Af	tx #1	02/20/95
1300						
1330	Norway	R Norway Int'l	9590	Eu	Su only	02/05/95
1400	Romania	R Romania Int'l	15390 11940 9690	Eu		02/20/95
1400	Russia	V of Russia	12065 9830 9550 9540 7295 7205	World Service		02/20/95
1400						
1500	Russia	V of Russia	15480 15465 15140 12065 12015 9795	World Service		02/20/95
1800	USA	WWHA	15665	Af	Tu & Th	02/03/95
1500						
1600	Russia	V of Russia	15465 12065 12015	World Service		02/20/95
1530						
1545	India	AIR	11740 9910 7412 7140	GOS/AS/IME		02/05/95
1545						
1800	USA	WWHA	15665	Eu	Sa	02/03/95
1600						
1700	Russia	V of Russia	9890 9820 9775 9550	World Service		02/20/95
1700						
1800	Russia	V of Russia	11920 9890 9860 9550 9515	World Service		02/20/95
2300	USA	WWHA	17612	Af	Mo & We & Fr	02/03/95
1715						
1730	Vatican State	Vatican Radio	9645 7250 6245 4011 1530 527	ME/eA/W/EU	European 1st pgm	02/18/95
1800						
1830	Norway	R Norway Int'l	7120 5960	e/EU/ME/Af	Su only	02/05/95
1900	Russia	V of Russia	9890 9860 9550 7340 6055	World Service		02/20/95
2000	USA	WWHA	9930	Eu	Sa	02/03/95

SCHEDULES

START END	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST UPDATE
1840	1850 Greece	V of Greece	11645 9935	AI	Mo-Sa	02/04/95
1900	1910 Greece	V of Greece	9380 6260	Eu	Mo-Sa	02/04/95
1930 Norway	R Norway Int'l	9590 7215	5960 1314	Eu/Al/NZ	Su only	02/05/95
2000 Romania	R Romania Int'l	7195 6190	6105 5955	Eu		02/20/95
2000 Russia	V of Russia	9890 9800	9550 7340	World Service		02/20/95
2000 South Korea	R Korea	5975	7205 7170	GOS		02/20/95
1915	1925 Rwanda	R Rwanda	6055	AI	news	02/23/95
2000	2100 Russia	V of Russia	6110 6055	World Service	R Aum 20:30 on some f	02/20/95
2300 USA	WWHA	5850	5975 5920	Eu	Sa	02/03/95
2100	2150 Germany	R Deutsche Welle	15270 11810	wAI		02/18/95
2200 Romania	R Romania Int'l	7195 6190	6105 5955	Eu		02/20/95
2200 Russia	V of Russia	7215 7205	7170 7150	World Service		02/20/95
2200	2300 Russia	V of Russia	9620 9550	World Service		02/20/95
2245	0045 India	AIR	15145 13750	GOS/As		02/05/95
2300	2400 USA	WWHA	9855	AI/Aus		02/03/95
2330	2345 Armenia	R Yerevan	11920 11790	LAm	may have moved to 23	02/20/95

the **CPRV** page

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QSL NI Домашнее Радио

Серия "Отдыхаем с нами". 1992

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СЛУШАЙТЕ ПЕРЕДАЧУ "Молитвы от Пашки"

In this column we usually feature vintage QSLs, but this time we are displaying two very recent veries, both from Russia. The bottom QSL is from Radio Alpha & Omega, a protestant broadcaster. The top one, a rather odd design, belongs to Demasneye Radio, or "Home Radio," a Moscow pirate. These come to us from a donor in Ukraine, and aren't liable to show up in your mailbox anytime soon. +++ Full info on CPRV is available from JB for a business size SASE. 73 -- *J.B.*

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ПОДТВЕРЖДЕНИЕ ПРИЕМА.

Настоящим подтверждается, что Гетьман Вадим принимал передачу нашей радиостанции "Альфа и Омега".

Дата приема: 30.06.92.

Время: с 18.00. до 18.53. (Мск).

Частота: 9865 кГц.

Антенна: СГД 4/4 РАД.

Передатчик: РВ 417; РВ 433.

Мощность: 2x100кВт.

Местонахождения передатчика: город Екатеринбург (Россия).

Коллектив радиостанции "Альфа и Омега" благодарит Вас, и желает всего наилучшего. Да хранит Вас Господь!

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Е. Гетьман

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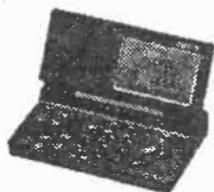
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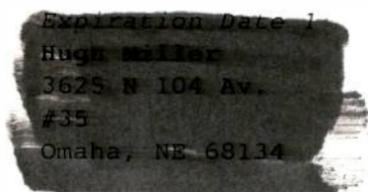
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