

Certificado de Sintonia

La Voz de la Federacion Mundial de

Riodifusora: Ex-Presos Politico de Cubanos

Transmitiendo desde: Tampa, Florida

Frecuencia de: 7081.1 kc/s

Potencia: **vattios**

Horas: 0047 - 0056 UTC, 7 de septiembre 1991

Fecha: (September 7, 1991)

First verified report outside Florida!

Card: 006



sello oficial

**Hemos comprobado sus detalles
de recepcion, y confirmamos
que la emisora sintonizada es
la nuestra.**

A handwritten signature in black ink, appearing to read "Allen J. Bar", written over a horizontal line.

firma

NAASA

**the
JOURNAL**

NORTH AMERICAN SHORTWAVE ASSOCIATION

VOLUME XXXVII NUMBER 3

MARCH 1996

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NASWA Notes

Richard A. D'Angelo

2216 Burkey Drive

Wyomissing, PA 19610

Genie: R.DANGELO3

Internet: r.dangelo3@genie.geis.com

We are off to the Winter SWL Festival later this month. As usual, we look forward to renewing old acquaintances and making many new ones at North America's premiere gathering of hobby folks. The club will have a table in the main meeting room where members can renew for another year. We will also be selling Company Store merchandise. I hope to see many of our members at this year's FEST.

I have received feedback from various members (direct and through our editors) about concerns they have that at any moment *The Journal* will only be available electronically. Let me state that **there are no plans** to eliminate the bulletin you receive in the mail each month. The Executive Council is not even discussing the matter. Our experiment with a web page is an attempt to attract shortwave listeners into our club. We are one of many hobby organizations developing a web page to attract new members into our club. This is just one of our many different outreach activities to obtain new members. The columns our Web Master, **Ralph Brandi**, makes available on our web page each month provides computer observers with a sampling of what the Journal has to offer. Think of it as a mini sample bulletin. We do not put columns on the web page that you do not see in print! Please remember that members musings are designed to discuss issues, stimulate thoughts, and generate fresh ideas. The opinions are those of the individual member doing the writing and do not represent club policy. QRM, QRN, and QSB—not musing—should be the principle sources of our aggravation, hi!

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)

Last month I mentioned that after many years of hard work as Secretary General of the European DX Council, **Michael Murray** was stepping down. The results of the voting for Secretary General and Deputy Secretary General are (almost) complete. There was a deadheat for Secretary General with **Risto Vahakainu** of Finland and **Luigi Cobisi** of Italy tying with 22 votes each. A run-off election is currently taking place. **Stig Hartvig Nielsen** of Denmark with 9 votes finished third. **Arto Mujunen** of Finland is the new Deputy Secretary General. He received 30 votes and was followed by **Paolo Morandotti** of Italy (22 votes) and **Stig Hartvig Nielsen** of Denmark (2 votes). Congratulations to Arto Mujunen on his election to the post of Deputy Secretary General of the EDXC.

My, oh my... Only 35 members bothered to report their country heard and verified totals to the Scoreboard column last month. Yikes!!! Okay, I'm guilty too but I have corrected that by sending my totals to editor Jerry

OUR MOTTO IS - "UNITY AND FRIENDSHIP"

Lineback. What about you? Please share your totals with your fellow members. It's part of what makes this an interesting hobby. Simply note on a sheet of paper your total countries heard and verified for each continent along with your best QSL for each continent. All you need to do is update your records once a year to stay on the scoreboard. Come on gang... let's participate!

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

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Fred Kohlbrenner** (2641 South Shields Street, Philadelphia, PA 19142). He will forward them to the appropriate editor. Remember, Fred has now expanded his business to include QSL report information. He can also be reached through the Internet at: fkohl@ix.netcom.com.

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 are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email - r.dangelo3@genie.com

Charles Boehnke <cb@ilhawaii.net>, Keaau, Hawaii

Hello from Hawaii,

You guys are doing a fantastic job with the Journal. I've been a member for a good many years and it continues to be TOPS. There are always those that will disturb the nest, well so what. Best way to handle them is to ignore them. Let them rant and rave and they will prove what ding dongs they are with their own words. The web page is great! NAWSA is moving forward as it should, and I sure have no complaints about the best DX publication in the world!

73 and Aloha,

Charles (Chuck) Boehnke

Georg U. Simon, 525 Fox Rd, Glenside PA, 19038 <VCJP66a@prodigy.com>

This is the first time that I am writing to the "Musings" column of THE JOURNAL.

First, I would like to express my appreciation to all the members who regularly contribute to this monthly endeavor. I know how much work goes into publishing such a magazine. I suggest that at the Winter SWL Festival all regular contributors who are present are recognized in some way, even if only via introduction. The least all readers can do is provide periodic feedback (preferably positive) and return any periodic surveys (of course, filled out) that might be sent to us. I think the percentage of returns should be at least 75%, even though pollsters tell us that 15% is a good return.

Second, I would like to add my two cents to the debate (controversy?) on the potential for an electronic form newsletter, as proposed by Joe Buch. I appreciate all of Joe's contributions and expertise, but I hope it does not come to the electronic format in my lifetime. This may sound strange coming from a PC application developer who deals daily with electronic mail,

electronic payments, electronic this, electronic that, to the point that I have electronic data overload. I hope that books and magazines never go away. It would be no enjoyment reading the JOURNAL on a computer screen while commuting. Also to consider is the fact that in many instances electronic communication is hardcopy printed anyhow, or at least a portion of it.

From this view there is a place for computers, a place for stereos, a place for radios, and a place for printed matter. Why don't we schedule a discussion on the pros and cons of electronic formats in a formal session at the FEST? We might get a very lively debate going.

Sincerely, GUS.

Peter Costello <pec@styx.ios.com>

When I was a youngster I was given a "Chinese finger puzzle". You know the tube of woven paper where you put the index finger of each hand into the two openings and then find it hard to extract them. The harder you pull the more the weave of the tube contracts. Somehow, the musings of Terry Jones made me recall that puzzle and how disturbed I was that I probably would never get my fingers out.

While I think I can see Terry's concern from his vantage point, there would appear to be more than a bit of overstatement in what was said. Like Terry, I too see the shortwave world changing. Not just the shortwave world, but, the whole realm of information exchange is in upheaval. Be it print publication, audio or video media, the very nature of what they are is changing. The rate of these changes is also changing; faster and faster. It is hard for anyone to keep up with it all. But one thing is for certain, if you stand still, the changes will appear to happen much faster.

A few years ago my boss forced our department into a small conference room to watch a video. The video was about how each of us develop and use "models" of how things work or "how life really is". The focus was on how the "models" we depend upon fail us when fundamental changes to what we have based our model upon change. Let me try an example.

The Swiss were once the major supplier of watches to the world. If you wanted a real watch, you wanted a Swiss watch. In the early 70's the Swiss watch makers were given a presentation by an electronics company for a new type of watch, a digital watch. The Swiss rejected the inventor's idea; it did not fit their "model" of what a watch was. The inventor found support from another country, Japan. The market share of watches was shifted away from Switzerland as an entirely new model for what a "watch" was rapidly took shape around the world.

I see the advance of new information sharing technology as an opportunity to blend the best of both worlds. The fact that loggings come via e-mail, or an electronic compilation is not important. The fact that I can have both in a printed version of the best loggings and articles is important. The NASWA web page promotes shortwave, the hobby and the club to thousands of people around the globe. The "sample" articles inform the multitude of people viewing the web pages as to what the club has to offer, and that is good for the club. There maybe a few that will reject the effort and maybe even leave, but, dare I predict that there will be lots of new club members added because of the web site. It is not by accident that major publishers, and media giants like USA Today, CNN, CBS, ABC, NBC, and not to forget Grove and yes even Monitoring Times have a presence on the internet. There are probably far more computer articles by computer savvy writers and regular computer/internet columns in an issue of Monitoring Times or PopComm than in the NASWA Journal.

The fact is, the pressure to change one's "model" of newsletters and print only publication will still be there no matter where you go, no matter what club you join or magazine you read. You can reject it or you can work with it. You can help combine the best of both worlds, computer & print and make it more than the sum of it's parts. It's up to you. From my point of view, to ignore or reject the changes is the one sure way to make Terry's worst fears come true, the demise of the club. Relax, that finger puzzle is easy if you just change that instinctive model.

Pete Costello

Don Aspinall, 106 Warrens Pond Road, Toano, VA 23168 <daspinall@aol.com>

Many thanks for the article in Dec. 95 issue of NASWA. Unfortunately, it did meet with a lot of comment's to me via E-Mail. If the "hobby" of SWDXing is getting so sophisticated that people almost call each other "liars" because they have picked up a country or station that other's who have been in the "hobby" for years can't or haven't listened to then all I can say is that they MAY be in the wrong area for these hard to get stations.

If you re-read the article, I did mention that I was new in the field and that any foreign station is a "catch" for me, because at this point in time I do not know a good catch from a bad catch. What kind of radio hobbyists are these people? I received a QSL card and a letter from Radio Bahrain. I have made errors and have been told so. Twice I thought I had heard KNLS from Anchor Point in Alaska. Mike wrote me (twice) and corrected my error. I now have a numbered collectors QSL card from them as I do from three other countries.

I did not even know that there was such a thing as a collectors, numbered QSL card. To all those people who wrote E-Mail to me I wish you all the luck in the world getting these hard to "CATCH" stations. I guess for a beginner I must be doing something correct. I do not spend all my spare time listening to the radio. If I did it would not be a hobby. I'm sorry, I don't try to stay up with the Jones's or the next door neighbor. I enjoy my radio and spend time when I can at it. There are other things to do in life. Right now staying up with all the snow and brigning in fire wood is a priority.

73's, Donald

P.S. To those of you who wish to correct or comment my E-Mail is DAspinall@AOL.COM

Gary Otteson, 3310 Hamilton Street, Philadelphia, PA 19194

As a first-year shortwave listener and new member of NASWA, I'd like to compliment Joe Buch on his February Journal article, "Getting the Most From Your Receiver." As much as I've enjoyed receiving The Journal for the past ten months, his is the kind of nut and bolts article that I've been waiting for as a novice to this hobby. I'm sure there are other new members out there too, who, like myself, have fairly stumbled alone into this hobby, and must teach themselves what they can. As good as the magazine is, I've felt that it skates just a bit over the newcomer's head, catering to those who already know their terms. Is a spur the same as a harmonic, for instance? No one says.

Thanks to Joe's let's-start-from-scratch article, however, I can now gauge a frequency to within 10 Hz, given proper conditions. And I went out and bought a pair of good communications earphones- what a relief to get those brilliant Sennheiser's off my head! The new set of JRC's are already transforming my listening. Thank you, Joe Buch.

This is all by way of suggesting that if NASWA is truly interested in attracting and keeping newcomers to the shortwave hobby, regular bare-bones features would be a vital asset. We all want to do what the old hands can, and we need all the help we can get.

Thanks, NASWA. You're a good bunch of folks.

73, Gary

(Meet Joe Buch and many of your favorite editors at the Winter SWL Festival later this month. It's a great place to learn more about our fascinating hobby. We hope to see you there.—RAD)

Luther E. Hall, 6160 Hazelwood Ave, Indpls., IN 46208 <vzsz51a@prodigy.com>

The bulletin is great. I have been a member of the club since 1980 and have seen many changes. I feel the need to be on the web is a must. Many of our new potential members are interested in SWL, DX, computers, and Ham. By keeping up with the times we will not follow SPEEDX to an end.

Keep up the good work and keep the web site.

See you at the FEST.

73 - RAD 19 Feb 96



Welcome to the following new NASWA members -

George E. Atkins, Weatherford, OK
Richard A. Bedlek, Eureka, MI
Tom Benedict, Edgartown, MA
Emily H. Bershad, Freehold, NJ
Daniel T. Blazwich, Ottawa, IL
Douglas Bradshaw, Tallahassee, FL
Joe Canan, Muncie, IN
Demetrius Carter, Los Angeles, CA
A. D. Chiquoine, Clinton, NY
W. Andrew Grubbs, Chapel Hill, NC
George W. Hallgren, Bel Air, MD
Gary L. Hyatt, West Chester, PA
Stephen E. Jacobs, Modesto, CA

Edward E. Johnson, Granger, IN
David Kevelson, North Woodmere, NY
Richard Livingston, Northport, AL
Mike Mayer, Hilbert, WI
Daniel C. McCarthy, Calhoun, GA
Steve Metcalf, West Richland, WA
Jim Moats, Ravenna, OH
John G. Mosley, Wilkes-Barre, PA
Robert W. Parker, Gainesville, FL
Selwyn Sacks, Chevy Chase, MD
Alex Vranes, Gerrardstown, WV
James T. Wicks, Toledo, IA

FRENDX: Twenty Five Years Ago...

Kim Elliott renewed for a 4th year. Charlie Loudenooper provided his predictions for the new year. Bill Eddings reported that Ed Shaw has printed up club stationery which was available to members for \$1.00 per 50 sheets. The Photo Parade page featured Glenn Hauser and Bill Flynn. The club's Board of Directors selected Ed Shaw as the "Man of the Year" for 1970. This was the first such award given by NASWA! Ed contributed reports every month, assisted headquarters in many ways, and published the bulletin during Bill Eddings hospital stay. In the Shortwave Center, Edward Pyatt wrote about "Expo 70 and Radio Japan." The DX Atlas focused on New Hebrides in a report from Bob Padula. The Scoreboard featured totals from 144 members with 90 reporting country heard totals of less than 100 countries! In the QSL Report, editor Gregg Calkin points out interesting verifications from Phnom Penh, Radio Barlavento in Cape Verdes, RTVC/Pointe Noire, Forest Side (Mauritius), Voice of the Coast (Trucial States), and VS18 (Turks and Caicos).

Calendar Of Events

- Mar 15 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Mar 16 Meeting. The Miami Valley DX Club** (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hammer at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.
- Mar'96 Convention.** The 9th Annual Winter SWL Festival will be held at the Kulpsville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 14-16 March 1996. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts over 200 hobbyists each year. For further information and the registration form see December's Journal. We look forward to seeing many of our club members at the FEST once again.
- Mar 22 Meeting. Boston Area NASWA Chapter.** The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: 74007.3434@compuserve.com. **NOTICE:** This meeting is moved to the 4th Friday this month rather than the usual 3rd Friday in order not to conflict with the Winter SWL Festival.
- Mar'96 Contest.** 1996 North American DX Championships. Further information will be published in the Journal or you can send a self-addressed stamped envelop to 1996 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.
- Apr 13 Meeting. The Tidewater SWL's** meet at 6:30 PM. For more information plus meeting location contact Joe Buch at 804-721-2782 or Internet: buch@exis.net
- Apr'96 Convention. St. Louis DX Get-Together '96** will be held April 19-20-21, 1996 in the St. Louis, MO area. Planned activities include AM/FM/TV station tours, DX sessions and a tour of Amateur Radio bulletin station WA0RCR-1860. Open to all bands. For more information, contact Eric Bueneman-NOUIH at (314) 839-9751, or via E-mail at EBSDJDX@aol.com.
- Apr'96 Convention.** The 30th EDXC Conference will be held in Florence, Italy on 27-30 April 1996. The Associazione Italiana Radioascolto ("AIR") is the organizing group. Detailed information is available from AIR, P.O. Box 30, I-50141 Firenze 30, Italy.
- May'96 Convention.** The 1996 ODXA Convention will be held at the Holiday Inn in Kingston, Ontario on 3-5 May 1996. More details to come.
- Jul'96 Convention.** The 1996 International Radio Club of America will hold its annual convention in Ocala, FL on 19-21 July 1996. More details to come.
- Aug'96 Convention.** The 1996 Worldwide TV-FM DX Association Convention will be held in Estes Park, CO on 9-11 August 1996. More details to come.
- Sep'96 Convention.** The 1996 National Radio Club will hold its annual convention at the Ramada Inn in West Knoxville, TN from 30 August-2 September 1996. More details to come.

Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: r.dangelo3@genie.com) or Ralph Brandi (Internet: ralph.brandi@att.com).

NASWA

Visit our club home page on the World Wide Web at <http://www.mcs.com/~ralph/html/naswa/>

Easy Listening

Richard D. Cuff

1016 Chestnut Ridge Drive
Timonium, MD 21093-1716
CompuServe: 73651,153
Internet: rcuff@memtec.com

BBC Highlights

The BBC is now among the set of broadcasters that adjust schedules twice per year; program schedules will change on March 31st. They may change again on April 7th with the switch to Daylight Time, but I am not sure; I'll find out by the April *Journal*.

Also, *Poems By Post* will return at the end of June; host Michael Rosen would like to begin receiving poetry requests now, so that copyright clearances can be obtained before the series begins. Send your requests to *Poems By Post*, Room 812 CB, at the usual Bush House address.

Since I had no listings for BBC highlights last month, I've added some detail for March.

News and General Features

Sundays 0030: Clearly the highlight of the BBC schedule this month is the 50th anniversary of Alistair Cooke's *Letter From America*, which first aired March 1946. The March 22nd/23rd edition of *Outlook* (22nd at 1405, 23rd at 0130 and 0150) features a special commemoration of the program.

Tuesdays, beginning March 5th: *Rat Pack* is a new four-part 15-minute series on paparazzi — photographers that seek to take unstaged, candid photos of celebrities. Chasing celebrities is considered the biggest growth industry in media, given the industry's insatiable consumption of pictures for tabloids and glossy magazines. First airing Tuesdays 1630.

Monday, March 11th, 1515: The Queen addresses the Commonwealth annually from Westminster Abbey in the presence of 2000 young people in the annual *Commonwealth Day Observance*. This is one of the rare programs airing simultaneously in all regional BBC World Service program streams.

Wednesdays, beginning March 14th, 0330: *Three Days In Jerusalem* is a three-part 30-minute series on the world's most fought-over

city, home to the world's holiest sites in Judaism and Christianity, and the third holiest city of Islam. The series explores why the city is important for each faith. First airs Sundays 1130 and Mondays 1615.

Thursdays, until March 28th, 2315: *Sell, Sell, Sell* is a weekly 15-minute series concluding this month which looks at the advertising industry, its differences around the world, and how it is changing. The differences between product ads and public awareness messages is also investigated. First airs Wednesdays 1515.

Mondays, beginning March 4th, 1505: *From India To English* is a four-part 10-minute series backgrounding some English words taken from India languages. For example, *nabob* and *loot* can both claim Indian language roots. The cultural history of the word's roots is explored.

Thursdays, beginning March 14th, 2330: *Minefields* is a new three-part 30-minute series investigating the worldwide impact of landmines. More than 100 million are estimated to be scattered in more than 60 countries around the world. Repeated Fridays at 0330 to the Americas, and Fridays 0730 to Europe and Africa.

Sunday, March 17th, 0130: *Paris To New York By Land* is a single 15-minute program on an Anglo-French expedition in 1900 from Europe to Alaska via the Bering Straits. The expedition from Paris was commissioned to assess the feasibility of a Paris-New York rail link. Repeated Tuesday 1445.

Monday, March 18th, 1515: *Islam: A Faith To Question?* is a single 45-minute program exploring issues within Islam as marriage, education, and community care, by which a religion seen as repressive might better be considered a liberating faith.

Sunday, March 24th, 0330: *Dear Diary* is a single 30-minute program hosted by former

Lebanon captive Terry Waite on the journals kept by prisoners from around the world. Kenyan writer Nguigi Wa Thiong'o, South African Albie Sachs, and Australian Adrian Kerr-Lewis, imprisoned in Burma during World War Two. Repeated Thursday 1215.

Monday, March 25th, 1215: The Implausible Spy is a single 30-minute program on Bernard Durant, a 17-year-old Briton recruited by British Intelligence in 1939 as a double agent, who went to Germany and was then recruited by German Intelligence. He was dispatched to Egypt, where the plot thickened when he fell in love with an American woman. Durant tells his own story. Also airs Monday 0630 and Sunday 2130 to Europe.

Music and the Arts

Saturdays, 2230: Play of the Week offerings include the following:

March 9th & 16th: Crimes of the Heart is Beth Henley's prize-winning comedy about three sisters and the husband of the youngest — who has just been shot in the stomach — by his wife, who aimed at his heart but couldn't stop shaking. Co-produced by the BBC World Service and the Los Angeles Theatre Works. Starring Glenne Headly, Sandra Locke, and Donna Bullock

March 23rd: A Visitation is set in England's Derbyshire (where I was last month...RC) in 1665, where an outbreak of the plague has struck a small farming community. The protagonist is Reverend Mompesson, the newly appointed pastor, along with the gravedigger and an evangelical Christian who considers the plague God's punishment. All three men undergo significant changes to their beliefs as more of their friends and neighbors die.

March 30th: 2004 is a futuristic play about a world where crime is commonplace and society is threatened with destruction by lawlessness and moral degeneration. An aspiring politician preaches a revolutionary message of a crime-free society, but suggests it's possible only with "electronic devices" and "discreet surveillance". Only once elected to voters realize his Utopia might not match their Utopia. Written by Wally K. Daly.

Wednesdays until March 27th, 0030: Making It Up is a series of programs on musical

performers that don't need printed music, instead relying on improvising as they perform. The genres of jazz, rock, classical, and non-Western music are all considered in the series.

Friday, March 29th, 0230: 30-Minute Drama features F. Scott Fitzgerald's story *Head and Shoulders*, about a small-town girl dancer in a variety show (Marcia Meadows) and her romance with brainy philosophy student Horace Tarbox.

Science and Technology

Fridays, 2315: Champions is a weekly 15-minute series concluding March 29th which looks at fascinating yet strange stories of "champion" animals; for example, the bird that lays a clutch of eggs weighing more than the bird itself. The oldest living thing, and the world's most "successful" animal are all debated. First airing Wednesdays 1145, also airs to Europe Sundays 1730.

Light Entertainment

Sundays, beginning March 3rd, 1530: The Airport is a new four-part 30-minute part sketch, part sitcom show staged at an airport, with an all-black cast. Meet Sharon, the airport announcer, Reg, the immigration offices with a knack for being offensive, and Felix, the drug tester who likes to check each suspicious substance himself. Repeated Mondays 1130.

Target Topic: Media/ Shortwave Hobby Programs

I'm somewhat surprised I didn't receive more mini-reviews of this topic, as clearly programs about the shortwave hobby are the most popular programs on shortwave, according to the surveys John Figliozzi and I have conducted the past two years at the Winter SWL Festival. I'll kick off this topic with Peter Bowen's monthly mini-review.

One of the most popular shortwave hobby programs is HCJB's DX Partyline, hosted by Rich and Lisa McVicar. This thirty-five minute program features taped reports from DXers and DX/SWL listener organizations. The reports from individuals are usually interesting, but often suffer from poor sound quality. Those from organizations are often professional-sounding, but their content more often than not is a tedious recitation of parochial club events.

The show also features in-studio interviews with visiting DXers, telephone interviews with DXers and others connected with the shortwave hobby, lists of DX tips taken from club publications and read by the hosts, and background information on South American radio stations and their geographical locations. Some of these items have a broad, general appeal, but most are primarily aimed at DXers rather than general listeners. For the general program listener, much of this material is probably of little or no interest.

Although Rich McVicar is a good presenter, whose style is relaxing and enjoyable to listen to, his wife comes across as being rather dull and lifeless.

In summary, then, DX Partyline is a good show for the DXer, though of less relevance for the general SWL or program listener. The quality of the items are distinctly uneven—some are well-done and interesting, while others are poorly done and quite boring. The hosts reflect this duality—one is engaging, the other is monotonous.

The show seems to lack a clear focus or mandate, or perhaps has too much time to fill with too little quality material. This confusion in purpose and/or structure is further reflected by the obligatory sermonette, inserted about twenty-five minutes into the program. It is quite out-of-place in a show such as this, in spite of the hosts forced efforts to link it to material already presented.

One thing I'll add to Peter's comments is that the "sermonette" is an understandable element of the program, considering that HCJB exists to evangelize.

Clearly the most popular hobby program is Radio Netherlands' **Media Network** (Fridays 0053/0453 to North America). This program also contains DX news, as does **DXPL**, but there is also significant discussion about other aspects of radio (primarily), especially in these days of satellite broadcasts and Internet Web pages. About the only time my attention ever wanders is when there's a long profile of a particular station's history, and I don't regularly listen to that station. I know I enjoy hearing from most of the program's regular contributors, especially Arthur Cushen, Andy Sennitt, and Mike Bird. I have a particular soft spot for **Media Network** since I had the

pleasure of being interviewed by Jonathan (along with John Figliozzi) at the 1994 Winter SWL Festival.

Another long-running and popular program is Glenn Hauser's **World Of Radio** (WWCR, Fridays, 2215, plus RFPI Costa Rica). Without a production staff to call on, **WOR** doesn't quite have the pizzazz of some shows but nonetheless has information of use both to DXers and program listeners. Some might not appreciate the side commentary that's part of the package, but at least Glenn is consistent. I know found Glenn's program particularly useful when I was getting back into the SWL hobby after a 25-year layoff.

I've always been surprised the BBC never tried to produce a regular feature on the shortwave hobby with the depth the BBC is capable of providing. Unfortunately the only offering is **Waveguide**, which tends to be very basic in its subject matter.

Another now-regular feature of the Winter SWL Festival is the Saturday night remote production of **Spectrum** (Sunday 0300, WWCR) from the banquet room. If you can't make it to the 'Fest, this is probably the best way to experience it remotely.

If you have any favorites among SWL or radio hobby programs, or care to take issue with the perspectives shared here, your input would be most appreciated.

As John Figliozzi is about to update the Shortwave RadioGuide, I won't provide any soon-to-be-stale information here.

Upcoming Target Topics:

April: History

May: Folk Music

June: Book Reviews and Readings

Less Than A Month To Go...

I know I'm starting to get psyched about the 'Fest, as the E-mails are starting to get more frequent regarding forum topics, coordinating activity, et cetera. I've already extolled the 'Fest's virtues, so I'll spare you further ink on the subject, aside to say that if you'd like anything specific to be discussed in our Friday *Easy Listening* forum, drop a note my way. I hope to see as many of you there as possible!



"La Voz de la Federacion Mundial de Ex-Presos Politicos Cubanos"

"Voice of the World Federation of Cuban Former Political Prisoners"

A station profile from the FCC's perspective

by Hans Johnson

During the late summer of 1991, the FCC became aware of this station, an anti-Castro clandestine, through what they termed a publication for short-wave listeners. I believe that the mostly likely original source of the tip was DX South Florida, a bi-weekly DX newsletter put out by Robert Wilkner and Terry Krueger. The station first came to the attention of the FCC Tampa, Florida bureau in November of 1991 after being tipped off by the Vero Beach bureau which itself had responded to a complaint from an unidentified radio amateur. The station had been easily heard throughout the summer in Florida, the East Coast and even in Cleveland. A careful reading of the available records seems to indicate that the FCC was aware of the station in the summer of 1991 but didn't take or was unable to take any action until after the radio amateur's complaint the following November. At this time it was operating on 7080.1 khz signing on at around 8:30 PM (0130 UTC) on Mondays, Wednesdays and Fridays. The station was broadcasting patriotic music and featuring anti-Castro talks and was on for about 15 to 20 minutes a transmissions. The station's operator, Roberto Pizano, identified himself as the president of the World Federation of Cuban Former Political Prisoners during the transmissions. The FCC maintains that Pizano was acting on his own rather than the organization being behind the transmissions. Pizano stated that the Federation had thousands of members with chapters in the United States and abroad.

Since the Tampa FCC's HF direction-finding beam antenna was broken, the Vero Beach bureau took the lead in the long-range direction-finding efforts. Vero Beach gave an initial "fix" of 28° 05' 14"W by 82° 42' 37"N, which is in Pinellas County,

Florida. An examination of the direction-finding report seems to indicate that as many as fourteen FCC bureaus can be linked together with one station "slaving" the other thirteen and automatically and simultaneously getting their respective lines of bearing. One of the bureaus "slaved" was "LR", which probably stands for the FCC field operations bureau in Laurel, Maryland. Armed with the direction-finding report, a check of Pizano's residence in Tampa by the FCC revealed no visible antennas. With the Tampa Bureau's HF beam antenna still broken, additional direction finding efforts run by Vero Beach now put the station at 27° 50' 28"W by 82° 36' 14"N. The major and minor axes for the second "fix" were 14 and 10 nautical miles respectively, so note that this overlaps the first "fix". Since the station operated in the local evening, Tampa set up equipment in its office to get a transmitter signature and two FCC engineers monitored the signal at home to compare various signal strengths. A few days later, the same two FCC engineers each drove around and using close-in direction-finding techniques pegged the station at 27° 59' 26"W by 82° 30' 30"N. This turned out to be R A Auto Wholesale at 3912 1/2 W. South Avenue- only two miles from the Tampa office. Mr. Pizano was not around when the FCC paid the place a visit the next day, but the owner of R A didn't realize the transmissions were illegal and promised they would stop. Pizano was tracked down through a local radio station, WQBN, and took full responsibility for the transmissions. He claimed to have been a political prisoner in Cuba and wanted to help overthrow the Castro regime through his radio transmissions. Pizano stopped operating and a proposed FCC Notice of Apparent Libability (NAL) to him was not acted upon. The FCC did monitor the frequency for a few weeks to make sure that he didn't return. On November 21st, the FCC received a phone call from an

informant, who wished to remain anonymous, asking if the station had been shutdown as he had not heard the station the previous evening. At the time, the FCC could only tell him that the investigation was ongoing and that they couldn't furnish any details.

On January 23, 1992, Vero Beach once again tipped off Tampa to let them know the station was back on the air on 7417 khz and signing on at 0130 UTC. Its not clear if Vero Beach found the station on its own or was tipped off by Dxers. Due to lack of funds, Tampa's HF beam was still broken, so they had to relay on Vero Beach once again for direction-finding information. Recordings of the transmissions quickly determined that Pizano was now operating from a different location as his signal was now much weaker. The Tampa FCC office also requested that FCC headquarters issue an NAL for Pizano's first offense before they proceeded with an on the scene investigation. Tampa also requested that Vero Beach keep up the direction-finding efforts and inform them of any changes in the station's operating procedures.

The process of issuing Pizano's NAL took quite some time as the Tampa office did not start working on the case again until late April. Even though Pizano had been issued an NAL he continued to broadcast. On April 27, 1992, two FCC engineers each were mobile while the station was on the air and although they narrowed down the area they had to go out again a week later to get the exact location. This time the station was operating from 4202 Humphrey W. in Tampa. Although from a different location, the station was using a beam antenna as it had from its first location. When the FCC inspected the location, the owner of the house did not admit he was connected with the

transmissions but did admit that Pizano had helped him set up the antenna so that he could listen to the radio.

In addition to talking with Mr. Pizano's attorney, the FCC also spoke with a Mr. Mario Quevedo, employed by WQBN, and who had also been on the air in addition to helping Pizano record the broadcast tapes. Mr. Quevedo was under the impression that the programs were being broadcast "from Miami" and were from Radio CID or some other authorized station. The FCC took no further actions against Quevedo.

Since Pizano had continued to operate even though he had been warned in November 1991 and then given an NAL in April 1992, he was charged with two counts of unlicensed operation and given two Notices of Forfeiture (NOF's) that fined him a total of \$16,000. Interestingly enough, once the NAL was issued the FCC quickly got queries from both a Tampa television station as well as Monitoring Times asking for more details. Pizano's appealed the fines citing financial hardship. He also believed that the United States government owned him something as Pizano maintained that the government had abandoned him during his involvement in the Bay of Pigs operation in 1961. The amount, if any, and whether he paid his fines ultimately is not known.

I believe that a total of seven QSLs were issued for reception reports of this station. The first five were for reports by four Florida listeners. I received the sixth QSL and George Zeller received the seventh and final QSL. I want to thank my friends in DXSF for helping me to QSL this station.

The below article first appeared in the July-August 1995 issue of ANDEX International

Visiting Radio Stations in Latin America

by Ken MacHarg

Travelers to Latin America will discover many exciting vistas, historic churches, fascinating museums and beautiful parks. In fact, many express surprise at how much there is to see and how comfortable traveling is.

For the radio hobbyist there is an added attraction—hundreds of small shortwave radio

stations scattered throughout the continent which gladly accept visits from foreign listeners. In fact, it has been my pleasure (and tested my wife's patience) to visit a number of these outlets throughout Central and South America. We have yet to be turned away from one of these local stations. Instead, even when arriving on a Sunday or during siesta time, we've always found someone who has opened the door, inviting us through for a tour.

Just recently we were in Ipiales, Colombia, visiting the famed Las Lajas Cathedral—a magnificent church constructed on a bridge over a raging river. As we walked through the Las Lajas settlement, we happened to pass by a two-story edifice with the name Radio Las Lajas and an RCN logo painted on the side. The door was hanging open, so we popped inside.

A station salesman, Jario Naravez, was at the controls as a live broadcast of a mass from a church in the valley below was drawing to a close. He showed us around the studios, answering our questions about schedule, transmitter and audience. Ten minutes later we were on our way, and a new friend had been made and another station visited!

It was two years ago that my wife, Polly, and I were traveling through Chile. We were in Temuco and had visited a city park with a beautiful vista of the city. We had heard about Radio Esperanza but didn't think we'd have time for a visit. But, on the way down the hill we passed a Christian and Missionary Alliance Church with the Radio Esperanza sign outside.

Little did we know what was in store. Station manager, Rev. Ray Woerner, took us out by truck to the radio facility on the edge of town. Snuggled in a beautiful new building, the FM and shortwave studios and offices were the result of his hard labor. He was proud to show us around.

Afterward, he took us to Pizza Hut for supper, and we spent the evening sharing ideas about Christian international radio.

Then there was Ecos del Oriente here in Ecuador. I had been in the Amazon jungle for a week with an HCJB medical caravan. Somehow the food and

I hadn't agreed, so when the group stopped in Lago Agrio for breakfast on the way back to Quito, I decided that a walk about town would be better than greasy eggs and meat.

It was still early in the morning and the town was just stirring to life. I walked from one end to the other in about 20 minutes and was on my way back when, there in front of me, was the Ecos del Oriente building. Up the stairs I went just to say hello and look around, but it was more than just a quick hello. The staff on duty took me across the roof of the building to the studio where I had a chance to check out their control board and recording studio. Then came the question: Would I be willing to tape an interview for their noon news program? I speak Spanish, but not well enough to do radio work. But I was willing, and they were so kind. We sat in front of the microphone and discussed HCJB's medical caravan ministry and the outreach of the "prestigious broadcaster, HCJB." On the way out they loaded me down with stickers and other station information.

I've visited other radio stations as well—Radio Cuzco and Radio del Pacifico in Peru, Radio Reloj, TIFC, Radio for Peace International and Adventist World Radio in Costa Rica, HOXO in Panama, and who know how many here in Ecuador. Just showing up seems to work fine. I've never asked for a QSL card or other souvenirs but have shown interest in the station and its people. In turn, they've been more than kind in showing me around, allowing me to take photos and often giving me stickers, pennants and other "goodies."

Why not plan to come this way—to Latin America? Include station visits in your itinerary. Oh yes! And be sure to stop in Quito and visit us here at HCJB. The welcome mat is always out!

The below article is via Contact and is courtesy of Rich D'Angelo

Shortwave Antenna combines art and science

James Wood, Radio World via Jack Fitzsimmons

The use of very high transmitter powers in conjunction with directive curtain arrays offers shortwave antenna art and science at its best. Unhindered by serious mechanical problems or the need for tall towers or mountain tops, and freed from

the constraints of line-of-sight problems that beset UHF-TV, full advantage may be taken of electrically long radiators and extended arrays of many such radiators for obtaining an extremely high concentration of electro-magnetic energy. Antennas such as these are capable of projecting a very narrow concentration of electro-magnetic

energy, analogous to the beam of a sharply focused search light. Aided by the latest developments in remotely controllable antenna slewing in both azimuth and vertical take off angles and by the use of optimum frequencies for good ionospheric reflections, international broadcasters like VOA and BBC can target any region in the world with the certainty that each different language broadcast will achieve maximum audibility precisely on target.

Transmitter power is an important factor yet in the final analysis that total system performance of a shortwave broadcasting station rests on the performance of the antenna. The design of shortwave antennas is one of the oldest transmission sciences. When transatlantic telephone services were inaugurated in 1929 each communication company competed for the traffic and developed its own directive antenna for point-to-point communication. Thus we have the AT&T Streba array, the RCA broadside, Marconi Franklin Beam, the British PO Walmley Meab, the French Chirix-Mesny and the German Telefunken 8/4 curtain. All were highly distinctive examples of the state of the art at that time and all achieve forward gains between 16-24dB. Some exhibited undesirable traits in polar radiation patterns while others were complicated in the mechanical sense. Evolution came following World War Two making use of the principle of the folded dipole thus endowing the curtain antenna with a wideband response. These curtains incorporated an azimuthal slew facility of plus or minus 15 degrees. The design became a standard and many are still in service today.

Next developments came in the late 1970's aimed at adding slewing to vertical take off angle. Azimuthal coverage of a curtain is inversely proportional to the width of the curtain, while vertical directivity increases with the number of vertical stacks. Thus by increasing the curtain size in two dimensions greater directivity is achieved in both planes. With the added facility of altering the directivity in both planes by electronic slewing the shortwave array becomes a powerful tool to international broadcasters. From the late 1960's the computer began to play an important role in the design of curtain arrays reducing the amount of design time while increasing accuracy. Mechanics were slower in evolving because of a lack of modern materials. Swaying and sag due to wind and unequal expansion between radiating elements and support wires often influenced electrical performance. Research by the California

based Technology for Communications International led to the conclusion that the problem might be resolved with the use of a new alloy, Alumoweld, which has a steel core wire surrounded by an aluminium sheath. The material could be used throughout for radiating elements and support wires. The difference in conductivity between copper and aluminium is not significant compared to advantages such as elimination of stretch and corrosion.

In 1985 VOA awarded a contract to TCI for the development of a powerful SW curtain array which would be the most powerful in the western hemisphere. By 1989 the curtain array was installed in Delano, California. It comprises two 12-bay wide by six-bay high arrays. With a forward gain of 30dBi this array, when fed from three 250kw transmitters, can produce an effective radiated peak power of 3000 megawatts. Electronic slewing in both the azimuth and vertical angle of radiation permit azimuthal slewing of plus or minus 30 degrees in 15 steps with azimuthal beam width from 8 to 65 degrees. The vertical slew permits elevation patterns to be steered from 4 to 24 degrees above horizon. Each of the 12x6 arrays is composed of three individual 4x6 curtain arrays; each is capable of being used as two 2x6 arrays. The entire 12x6 curtain can be used in a wide variety of modes. For example, the complete curtain array can be fed from three 250 kW transmitters. Alternatively, each 4x6 may be used separately, or each 2x6 can be excited by a separate 500 kw transmitter. The time needed to switch the 12x6 curtain to affect a change in the antenna's radiation pattern is usually less than 10 seconds.

This massive and quite extraordinary directive curtain array, which dominates the skyline at Delano, is more than 400 feet high and 1400 feet long, including the guys. It is certainly the most powerful shortwave curtain in the Western hemisphere. The intensity of electro-magnetic energy around this antenna is such that VOA imposes stringent precautions or no access to the antenna site when the station is on the air. The Delano installation is used by the US Air Force for some classified experiments with heating the ionosphere. The electronically steerable curtain array gives some measure of the strides that have taken place in antenna technology and in the related disciplines of powerful RF switching systems and in electromagnetic computer modelling, without which this antenna could not have been created.



Listener's Library

T. J. "Skip" Arey WB2GHA
P. O. Box 644
Waterford Works, NJ 08089
America Online: TJAREY
Internet: tjarey@aol.com

Not every radio monitor is excited about taking the covers of his or her gear and tearing into things. While I take great pride at voiding manufacture's warranties with impunity by purposely ignoring that "NO USER SERVICEABLE PARTS INSIDE" statement on the back of my receivers, many folks just want to get through their life without raising a lid or warming up a soldering iron. Still, I would maintain that knowledge is power. A little bit of learning in the area of equipment maintenance is not a bad idea, even if you intend to take your gear to a service technician.

THE COMPLETE GUIDE TO TROUBLESHOOTING AND REPAIRING CONSUMER ELECTRONICS WITHOUT A SCHEMATIC

by Homer L. Davidson

285 Pages

\$22.95

Tab Books

Blue Ridge Summits, PA 17924-0850

ISBN 0-07-015650-6

Back in the late fifties and early sixties, consumer repair of electrical stuff was no big deal. In most cases, you simply swapped out vacuum tubes till things worked again. The world we live in is a bit more complicated. In this age of surface mount integrated circuitry, even experienced electronics folks need a few pointers. Homer L. Davidson brings more than 45 years of experience in his profitable radio and TV repair business to folks like you and me. Seeing problems and troubleshooting them day in and day out over such a span of time gives the technician a sixth sense that leads right to the problem. You or I might have sufficient "book learning" to get the job done, but by not doing it every day, the problem eludes us.

On the surface this book may appear to have little use to the radio monitor. A good read of the first three chapters will show you that this is not the case. Most of the information pertaining to troubleshooting of an electronic device is transportable to other devices. If you have your troubleshooting skills down, it really doesn't matter if the device is a shortwave receiver or your family stereo. Davidson teaches you how to look and listen as

well as occasionally feel and smell your way to discerning the nature of the problems common to electronic equipment. Using practical examples and case histories, the reader is given a chance to develop that technician's sixth sense. Further chapters go on to examine the problems you are likely to encounter in most common household electronic devices including receivers, amplifiers, power supplies, televisions, compact disks and VCR's. Reading these over might give you the chance to do a few simple fixes around the household. Fixing a family members cassette recorder scores quite a few points that can be cashed in next time you want to buy that new shortwave receiver you've been eyeing. The final chapter is entitled Seventeen actual tough dogs. These are problems from the authors experience that took up a lot of bench time and were difficult to locate. Anybody who has ever scratched their head over something not covered in the service manual or an intermittent "gremlin" will find this interesting reading.

If you are a bit more serious in your pursuit of servicing your own equipment, you know the importance of a good signal generator. You also know that the going price of this piece of test gear can be fairly high.

BUILD YOUR OWN LOW-COST SIGNAL GENERATOR

by Delton T. Horn

276 Pages

\$19.95

Tab Books

Blue Ridge Summits, PA 17924-0850

ISBN 0-07-030429-7

When I first glanced at the cover of this book I thought I would be an end to end construction project to build a benchtop signal generator. I was wrong and, as it turns out, that's not so bad. What you really get for your cover price is a complete course in signal generation as it applies to modern electronics. Along the way, you are presented with 16 different circuits and projects (all of which the author assures can be brought to completion for under \$25). Once you have learned what the book has to offer, it is easy to pick and choose the particular signal or function generators that

are of use to you. The early chapters go over basic AC and DC waveforms and how to go about generating useful signals including sine waves, rectangle waves, square waves, pulse waves, triangle waves, saw-tooth waves and staircase waves. There is even a chapter on special purpose waveforms including white and pink noise generation. Since our particular area of interest includes RF circuitry, I would refer the reader to the seventh chapter which looks at the special considerations that apply when working with RF signals. If you are curious about how modern digital equipment works, you will find the eighth chapter most interesting. This section examines how AC signals can be generated by digital circuitry. Most of us tend to think of digital signals as being strictly square wave stuff. Not so. This chapter gives the reader a clear understanding of how analog waveforms can be digitally synthesized. This section might make for a good foundation to the study some aspects of digital broadcasting techniques. Even if you are just a curious hobbyist who wants to breadboard a few interesting circuits. This book has a lot to offer. It includes an in depth look at the CD4046 Phase Locked Loop IC. This chip can be used to make useful Voltage Controlled Oscillators that have many hobby uses.

Shortwave Sidelines

I have to confess, since upgrading to Extra Class, I don't miss buying and using amateur radio license manuals. I always had the tendency to procrastinate in my studies until the manual's question pool went out of date. Still there are some of you that have not seen the need to enhance your hobby enjoyment by joining the ranks of the amateur radio faithful. Instead of simply standing around saying "shame on you" or offering my out of date study guides at the Kulpville Winterfest "Silent Auction" tables. I want to present you with a few better ideas.

LUCI'S AMATEUR RADIO LICENSE GUIDES

by Larry R. Luchi, W7KZE

Tiare Publication

P.O. Box 493

Lake Geneva, WI 53147

Luchi's Novice Class License Guide

105 Pages

\$19.95

ISBN: 0-936653-63-9

Luchi's No-Code Technician Class License Guide

160 Pages

\$22.95

ISBN: 0-936653-62-0

Luchi's General Class License Guide

115 Pages

\$19.95

ISBN: 0-936653-59-0

Luchi's Advanced Class License Guide

186 Pages

\$22.95

ISBN: 0-936653-65-5

Shipping and Handling is \$3.00 for the first book and \$1.00 for each additional book.

In addition to being a dedicated amateur radio operator (W7KZE) with full volunteer examiner and ARRL certified instructor credentials, Larry Luchi is a certified teacher with a B.S.E.E. and an MA in Industrial Education. He also holds an F.C.C. Commercial General Radiotelephone Operator License. Mr. Luchi brings his extensive instructional experience to this book series.

Any study guide you can purchase includes the current F.C.C. question pools for the particular license in question. In theory, you can just drill yourself to death reading the pool over and sit for the exam with some possibility of passing. What sets various study guides apart from one another is how well the actually TEACH the reader anything about the ham radio art. All you have to do is get on the air for a few hours some evening and you can quickly pick out the folks who memorized the pool from those who really want to know their way around radio. Luchi's guides are committed who teaching you the theory and practical aspects of amateur radio in addition to giving you up to date question pool information. Each book is broken down into logical chapters based upon the body of knowledge the F.C.C. expects from each examinee. Taken in this way, the learning comes in easy to manage segments that can be mastered at the reader own pace before moving on to the next section. I must stress that the books are essentially dedicated to the theory portions of the exams. Only the Novice text mentions the code portions of the exam and that is in an appendix. You will need to find a good source for learning the code and developing the requisite speeds. Luchi's positive attitude is contagious. He is committed to "Elmering" each reader to their goal. As an Extra Class I've done it all. Luchi convinces me I could do it all again. Incidentally, Larry Luchi has two more books in store. The Extra Class guide to complete this series as well as LUCHI'S EASY CALCULATOR MATH FOR ELECTRONICS. I'll give you more information on these to works when they become available.

NASWA Tests the RF Light Bulb

In the December 1995 NASWA Journal I presented a description of a new RF light bulb that will soon be generally available. GE prevailed upon the FCC to allow these bulbs to be marketed to residential consumers even though the devices do not meet the FCC's own standards for conducted emissions. If you haven't read that article, you may wish to look it up.

Through the cooperation of Ed Hare and the American Radio Relay League, I have obtained a sample of the RF bulb that GE currently markets to industrial customers. This month I present the results of some measurements that I made on this sample unit. The US Coast Guard has also recently posted on the InterNet the results of some tests they conducted. Their results are also summarized here.

The bulb is the GE "Genura". It is designed to replace a 75 watt flood lamp type 75WR30/FL. According to GE the bulb produces a light output equivalent to a 75 watt flood light but it only consumes 23 watts from the electric mains. It also saves on air conditioning because it runs cooler. The RF bulb saves 52 watts in heat emissions. The bulbs are designed for a 10,000 hour life. During this time a user of conventional bulbs would have had to replace the bulb four times.

Even though the initial cost is higher, the saving in electric costs both for the lamp and the air conditioning make the bulbs economically attractive. In an industrial setting, where someone has to be paid to replace burned out bulbs, the savings are even greater.

So there is a good possibility these bulbs will find their way into a home near you as the

economics and environmental advantages are pushed by the power companies, the tree huggers, and those afraid of possible global warming trends.

NASWA's shielded, anechoic, RF-test chamber was not available for these tests so I had to use receivers and antennas which are typical of the residential shortwave listening environment. The receiver used was a Collins R-388 which has a meter calibrated directly in relative dB. The antenna was an indoor wire about 20 feet long in the same room with the lamp. At closest approach, the wire was about six feet from the lamp.

When the lamp was first turned on, the lamp signal frequency was 2.775 Mhz. The frequency drifted lower as the bulb warmed up. After ten minutes the frequency change began to stabilize near 2.675 Mhz. After fifteen minutes the frequency stabilized at 2.670 Mhz.

In tests of multiple bulbs, conducted by the US Coast Guard, they found the center frequency of their five samples to vary between 2590 to 2630 KHz.

The signal level measured 65 dB above the receiver noise floor. The second harmonic was down 50 dB but still 15 dB above the noise floor. The third harmonic was down 55 dB. All higher order harmonics were inaudible.

The Coast Guard tests also showed that the harmonics were attenuated well below levels they considered harmful.

The 3 dB bandwidth of the signal was about 20 KHz on the fundamental frequency. The modulation was combination of AM and FM at a 60Hz rate. The result was a nasty buzzing sound. Sharpening the receiver bandpass to

less than 1 KHz revealed a complex rippling amplitude versus frequency characteristic to the emissions. The roll-off of energy outside the 20kHz flat-top bandwidth was fairly fast. The total width of the audible energy was about 30kHz.

As a further test of what we can expect in the real world, I next used my rooftop dipole connected to a Yaesu FT-890 ham transceiver through a tuner. The antenna was about 20 feet above the lamp. The antenna was resonated by a Johnson Matchbox on each frequency. This test revealed the fundamental at S9 on the FT-890 signal strength meter. The second harmonic was S7. Surprisingly, the third harmonic was S9. That might be explained by the fact that the antenna size was near a half wavelength at the third harmonic frequency. The increased efficiency of the antenna at this frequency could explain the higher signal level. All higher harmonic frequencies were inaudible.

What does all this mean for SWL's? The most obvious conclusion is that these bulbs do not radiate any energy into the authorized SW international broadcast or tropical broadcast bands. With broadcasters constantly expanding into frequencies that are no longer occupied by fixed and maritime utility services, there is some danger that in years to come there may be a conflict, but there is none today. SWL's who like to DX the utility stations may have some interference but the spectrum is fairly confined compared to the nefarious touch-control lamps that are presently causing havoc in residential areas. In my opinion these lamps represent a much more serious threat to the SW DXer than the RF light bulb.

There is a danger, however, that this is just the tip of the iceberg. There are moves afoot to relax the conducted emissions limits for all consumer products. If this bulb successfully passes its one year trial, and these results tend to confirm that it will, that experience will be used by the makers of other products to "prove" that the current

FCC standards are too tight and can safely be relaxed. Because these devices can operate on any frequency, they hold the potential for interference to SW broadcast frequencies. We are just lucky that the design of the existing GE bulbs caused their emissions to fall outside the limits of the existing SW broadcast bands. We have no guarantee that the next device will not fall right on one of our favorite frequencies. NASWA will attempt to remain aware of new developments and report on them through this column as they occur. You can help in this effort. If you hear about any other devices with significant RF emissions, please report them to me so I can investigate.

Again I would like to acknowledge and thank Ed Hare and the ARRL for their help which made this report possible. SWL's who desire to learn more about shortwave technology, antennas, and receiver design would do well to check out the list of publications offered by the ARRL. You can contact them at ARRL Publications, 225 Main Street, Newington, CT 06111 USA. You can also send E-mail to ltardette@arrl.org. If you have an InterNet browser you can check into the ARRL web site at <http://www.arrl.org>. A catalog of their publications also appears in QST magazine which is found in larger news stands, libraries, and book stores. ARRL also offers software to aid antenna and electronic circuit design.

That's it for this month. I hope to see many of you at Kulpville on March 14-16. There is a rumor, if one were to know such things, that Poncho Villa may try to modulate one of these bulbs for his first annual CW pirate broadcast. Chuck Rippel and I will be presenting a program on the care and feeding of boat anchors. To the uninitiated these are super-radios which are stronger than a locomotive, could never leap a tall building in a single bound, and which glow in the dark. If you have a favorite boat anchor, bring it along for a display in the exhibit room. The exercise will do you good.

Until next time, stay tuned.



Equipment Reviews

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A Hamfest Shopping Guide

Since there is currently a seeming dearth of new receivers and equipment to review (although it appears that the new AOR-7030 has been released in the European market) and since Spring is just around the corner, I thought that I would step back in time and take a look at receivers that may be appearing at hamfests and swapmeets near you in the coming months. Older receivers have a lot going for them—the older tube units may represent a nostalgic return to our youth for the older listener or may be an introduction to older technology and operating techniques for the younger ones. The later solid-state receivers are an excellent step-up from portables for the frugal hobbyist or newcomer. Either type can serve well as a second receiver for band-scanning, DX station spotting or, especially in the case of the tube units, program listening. The one main caveat concerning some of the older units are the poor frequency resolution of the dials. Accurate and precise frequency readout is something that we now take for granted with PLL frequency synthesis and digital readouts, but it wasn't always this way. That's why there may seem to be an excess emphasis in this review of the tuning resolution of particular receivers.

This compendium will be highly personal and subjective, but I hope to point out particular features that may make one unit more attractive than another. The rating criteria will be based primarily on usability, not collecting value. I will try to provide broad price ranges, but take these with a grain of salt, as collecting the older receivers has become quite popular lately, and prices have risen as a result. I will list the receivers by manufacturers and may not mention all the receivers that were made by a particular firm. For more specific information, there are two main sources that I most highly

recommend: *Shortwave Receivers Past and Present* by Fred Osterman and *Communications Receivers: The Vacuum Tube Era* by Raymond S. Moore. These are available from the major SW suppliers. Other useful sources for more detailed info on specific receivers are back issues of the *World Radio-TV Handbook* and *Radio Receivers: Chance Or Choice* by Rainer Lichte. The classified ads in the back of ham radio magazines, the swap sections on computer BBS's and the buy/sell newsletters such as the *Ham Trader Yellow Sheets* are the best source to determine current pricing for radios.

ALLIED (KNIGHT)—Allied was a large mail-order firm that sold receivers from many manufacturers as well as their own brand. The most "serious" receiver they made was the SX-190 from the early '70's. This radio featured one kHz analog frequency readout and covered the 49 through 16 meter broadcasting bands, as well as the 80 and 20 meter ham bands in 500 kHz ranges. It is a solid-state, dual conversion design and was considered a good buy in its day. Beware of the AX-190, which is the ham-band only version. Prices should be under \$100. In the late 50's to early 60's, Allied produced the R-55, R-100 and R-100A which were medium quality, single conversion tube units. There was also the very inexpensive Star Roamer which is of nostalgic interest only. The Ocean Hopper and Span Master were regenerative units which do not have much practicality for listening today, other than the "fun factor" of a regen set. The Ocean Hopper has become quite collectible, and if you find one with all the plug-in coils, it may be relatively expensive.

BARLOW-WADLEY—The Barlow-Wadley XCR-30 was a general coverage portable that utilized the "Wadley Loop"

design that resulted in good stability and direct frequency readout to 5 kHz. This circuit was quite an innovation in its time and was later put to very good use in the Yaesu FRG-7. The XCR-30 is quirky to tune but still quite usable and has a BFO for SSB/CW reception. These are hard to find as most people hold on to them due to their uniqueness. My guess at current pricing would be \$100 to \$200.

COLLINS—The Collins R-390A has been a mainstay of hamfests for years. This is a large, heavy general coverage receiver with one kHz dial readout using a unique "odometer" display. The units are rugged and very good performers with excellent selectivity due to mechanical filters. Several NASWA members still use these as their primary receivers. Other Collins units to look for are the 51J series and the 51S-1. The 51J came in four different models with suffixes 1 through 4, and was built during the 1950's. The 51J-4 is the preferred model, since it uses mechanical filters for improved selectivity. The 51J-3 model is probably the most common, in its military designation of R-388. There was also a military version of the 51J-4, the R-388A. The 51S-1 was a premium "laboratory grade" receiver that was built during the '60's and commands a premium price due to its scarcity.

All of the above receivers are general coverage tube units, with a frequency range of 0.5 to 30 MHz. Collins also made amateur receivers, the 75A and 75S series. The 75S-3C has provisions for adding additional crystals to provide coverage of frequencies outside the ham bands, but each crystal only adds 200 kHz of coverage, so reconfiguring it for SWL use can get expensive.

DRAKE—R. L. Drake receivers show up quite commonly at hamfests, since they were quite popular in their day due to their good performance at a reasonable price. The company built both ham-band only models as well as SWL-specific radios. The first SWL receiver they made was the SW-4, which was quickly updated to the SW-4A. This was a hybrid (tubes and transistors) double conversion receiver with analog readout to one kHz. Frequency coverage was

in 500 kHz segments, covering LW, MW and SWBC from 49 to 11 meters. The radio has no BFO, so it only receives AM mode signals. The SPR-4 was a later model which was all solid-state and supported CW/SSB reception and had three IF bandwidths, rather than the single value of the SW-4A. It had essentially the same frequency coverage as the SW-4A, but had room for an additional 14 crystals to expand the radio's coverage. This was a very popular SWL receiver in its day and is still used by many listeners. The SSR-1 receiver was a Wadley loop receiver that was built for Drake in Japan and does not have the reputation for performance that is enjoyed by its U.S. built siblings. The above radios are usually seen in the \$100 to \$250 range, with the SPR-4 being at the higher end, especially if equipped with additional crystals and other accessories, such as a crystal calibrator or noise blander.

The premium Drake SWL receiver (until the advent of the R8 and R8A) was the R-7/R-7A, which was manufactured in the late '70's and early 80's. This set featured full general coverage, digital readout and excellent overall performance. The R-7 is still used by many as a standard to evaluate more modern receivers. It featured excellent selectivity due to its crystal filters and passband tuning. Expect to pay a lot, if you can find one. One interesting variant to look for is the R-4245, which was a professional grade R-7, with full frequency synthesis (the R-7 used an analog VFO). These are very rare.

The Drake hamband receivers are also worth looking for, since they can be expanded to SW coverage with additional crystals (each crystal adds 500 kHz of extra coverage). The models which are most desirable are the 2-B (look for one with the external 2BQ speaker/Q-multiplier), the R-4B and the R-4C. In its day the R-4B was preferred by SWL's, since the narrower IF bandwidths and passband tuner were usable in AM mode. The R-4C used higher quality crystal IF filters, but passband tuning was only available in CW/SSB mode. All of these models offered direct analog frequency readout to one kHz. The nice thing about Drake receivers is that support is still available from Drake.

GALAXY—Galaxy primarily made ham transceivers, but their one receiver, the solid-state R530 may show up from time to time. It was full general coverage and used a novel frequency synthesis approach to provide one kHz dial readout. The main disadvantage to using the set for SWL'ing is that the only bandwidth that was standard was 2.1 kHz, which is a bit narrow for broadcast listening. There was an optional 6.0 kHz filter for AM mode.

GRUNDIG—I have not seen many Grundig portable receivers at hamfests, but their larger Satellit models are worth keeping an eye out for, since they offer superb sound quality for program listening.

HALLICRAFTERS—Hallicrafters must have been the most prolific manufacturers during radio's golden years. The company produced a wide array of models of varying price and sophistication. Nearly all of the models of interest to the SWL feature a general coverage dial with bandspread tuning. This arrangement (which is common among nearly all of the classic tube-era receivers) can make tuning to a specific frequency very difficult. For example, the 31 meter band might represent 1/2" on the main dial and the entire range may be covered by one half or less revolution of the main tuning knob. The bandspread tuning provides for a slower speed fine-tuning, but the bandspread tuning dial is usually only calibrated for the ham bands or may have an arbitrary 0-100 logging scale. That is why SW stations developed the habit of playing interval signals prior to the start of their transmissions—the listener could slowly tune until he identified the distinctive signal for the desired station and then be on frequency for the program. Fortunately, for those so inclined, an external digital display can be hooked up to most of these older rigs for precise tuning.

Like many other manufacturers, Hallicrafters produced both general coverage and ham band only receivers. A close examination of the main tuning dial as well as the bandswitch markings will tell which type of receiver you're looking at. As a general rule, any Hallicrafters receiver with a black crinkle-finish front panel was produced during or

before World War II. These older receivers may require more TLC to get up and running than later models. In my opinion, the best models for the SW hobbyist are the SX-100 and the SX-122 because of their dual conversion design and excellent selectivity, but any of the Hallicrafters will provide lots of "glow in the dark" fun.

HAMMARLUND—The Hammarlund Company was a contemporary of Hallicrafters and, to my mind, produced a line of radios that was higher in quality. These receivers have the same problem of poor frequency readout precision. Also, there are ham-band only models as well, so look carefully. Popular models include the HQ-129X, HQ-150, HQ-160 and HQ-180, with the latter still a very popular radio—probably the best of the consumer grade all-tube radios. Hammarlund also made the SP-600 "Super Pro" for military/commercial applications, which is also a coveted receiver among collectors.

HEATHKIT—Many of us got our start in this hobby by building a Heathkit radio, therefore there is a high nostalgia value associated with them. Heath produced a wide range of SW radios over the years from the "bare bones" AR series of the 1950's to the digital SW-7800 of the 1980's. In between were the GR and SB series. The GR-64 was a four tube single conversion design produced for a minimum of price and performance (my first radio!) and the GR-54 was slightly more expensive, with better performance. The SW-717 is an all solid state version of the GR-64. The SB-310 (my second receiver) was Heath's version of the contemporary Collins/Drake units with reception limited to a number of 500 kHz segments of the SW spectrum and featuring one kHz frequency readout. The radio has good performance but lacks tropical band coverage. The SB-313 was a later, transistorized version. The SB-300, 301 and 303 are ham band only receivers. The SW-7800 was felt to be a poor performer when it was introduced. The really cool Heathkits for collectors are the GC-1 and GR-78 portables and the GR-81 regenerative set. I must mention here a new book *Heathkit: A Guide to the Amateur Radio Products* by Chuck Penson which has photos and

descriptions of all of Heath's radio related gear.

HOWARD—Howard was a company that built communications receivers prior to World War II. These are rare, in my experience, and would best be categorized as "antiques".

ICOM—Since most listeners want the latest and greatest radios, fairly recent models show up for sale as used models. These sets can represent great values for listeners on a budget or for those who are seeking to upgrade from a portable receiver. Although the Icom R-70 lacks many of the bells and whistles of later receivers such as keypad frequency entry and memory channels, it can offer solid basic performance at a reasonable price. The later R-71A can also be found used, although not as cheaply as the R-70.

JAPAN RADIO—Believe it or not, I have seen at least one JRC NRD-515 for sale at a hamfest, for a very good price. The NRD-515 was made at about the same time as the Drake R-7 and the Icom R-70. It is a solid performer, but was only capable of keypad tuning and frequency memorization with the addition of outboard options. The NRD-515 is a true classic and still sought after. The successor NRD-525 can also be found used, since many '525 owners upgraded to the NRD-535. The earlier NRD-505 is a very collectable radio, but very scarce.

KENWOOD—Kenwood has lost some of its lustre as a market leader since it hasn't produced a new SWL receiver since the R-5000 was introduced in 1986. Kenwood made PLL frequency synthesis and direct digital frequency readout affordable and popular with the R-1000 which was introduced in 1979. The R-1000 offers solid, no-frills performance. The R-600 was a compact, stripped-down version of the R-1000. The R-2000 offered features between the R-1000 and R-5000 and can probably be found used at a good price since it never seemed to be very popular.

LAFAYETTE—Lafayette Radio was Allied's main competitor during the '50's and '60's. They also offered a variety of imported SW radios, both tube and solid-

state. None were stellar performers, so I would put them in the "fun to operate" category, if the price is right.

LOWE—This British manufacturer does not have a long history (at least in the U.S.) but builds great radios. Look for used HF-150's and HF-225's (especially the Europa version of the latter) as new models are introduced in the coming year.

McKAY-DYMEK—This California company built very unusual radios during the 1970's. They were styled to resemble hi-fi components and were supposed to offer good quality audio reproduction. They also used a unique tuning method in which each digit of the frequency was controlled by a separate knob. Unfortunately, they were prone to front-end overload from strong local signals and the tuning method made it hard to band-scan. The usual model seen is the DR-33. These radios are of more interest to the collector than the listener.

NATIONAL—This was another premier radio manufacturer of the '30's through the '60's. There were two main product lines: the premium HRO series and the more moderately priced NC series. The HRO used plug-in coil sets, at least until the solid-state HRO 500 appeared in 1964, so if you buy one, make sure the coils are with it. The one drawback to the HRO's is that bandspread tuning is only available on the ham bands, so the tuning rate when the coil sets are set for general coverage is very fast. The NC series is better suited for SWL use—look for the NC-183D or NC-190, which were more advanced dual conversion designs. The NC-300 and NC-303 are ham-band only radios.

PANASONIC—Panasonic was a major force in the portable SW radio market in the 1970's, with several of their models incorporating the major technological advance of digital frequency display. The analog RF-2200 was a favorite (the radio I bought to get back into the hobby in 1978). The more expensive RF-2600 and RF-2900 incorporated digital frequency readout. The RF-4800 and the improved version, the RF-4900, were desktop models. I wish Panasonic hadn't dropped out of the market—these

were good radios and they could have given Sony a run for their money.

PHILLIPS/MAGNAVOX—This company produced two very good portables in the mid-'80's. There was the compact D2935 (check to make sure the membrane switches work and aren't cracked if you find one) and the larger D2999 which was reported to have very good sound quality—it had a two-way speaker built-in.

RACAL—Racal is still producing professional grade receivers. Numerous models appear on the surplus market from time to time. The latest model that is commonly available is the RA6790, which was produced in the mid-1980's. Prices are usually around \$1000.

RCA—Although primarily known for consumer broadcast radios, RCA built the outstanding AR-88 and CR-88 during World War II. For some reason, most of these ended up in England and are hard to find here—if you see one at an affordable price, snap it up.

REALISTIC—Radio Shack became the successor to Allied and Lafayette in the 1970's, and even sold the SX-190 after Tandy bought out Allied. Their most famous receivers are the DX-150 and DX-160, which were single conversion, solid state, analog slide-rule dial receivers. This are more for fun use rather than real DX'ing, although they were responsible for many loggings over the years. Radio Shack entered the digital age with the DX-300 and DX-302 which used a variation on the Wadley loop design. The DX-302 is the preferred model since it offered a choice of two IF filters, while the DX-300 used audio filtering for its Wide/Narrow bandwidth. Both are prone to overload and are quite "twitchy" to tune properly, which is a boon for confirmed knob twiddlers. The DX-100 is a complete dog, of interest to collectors only, and the DX-200 is not much better. The DX-400 was a relabeled Uniden CR-2021 and was a good portable in its day.

RME—Radio Manufacturing Engineers built communications receivers during the '30's, but after WWII primarily built ham

receivers. The RME-79 and RME-84 were post-war general coverage receivers.

SANGEAN—This Taiwanese company has made a name for itself in the portable market and currently makes most of Radio Shack's SW radios. The one to look for used is the ATS-803 which is a fine portable and should be available for \$100 or less.

SONY—There is a plethora of older models from this Japanese giant, ranging from inexpensive analog dial models to upscale digital portables. The ICF-2001 started the keypad tuning revolution, but be sure to get an AC adapter, as it's a real battery hog. The ICF-5900 was one of the last analog portables that offered accurate frequency readout, similar to the scheme that was used by the Panasonic RF-2200. The CRF-1 is the status rig, which originally sold for \$1500, along with the ICF-6800W, which is a shoebox sized portable with good sound and performance. Avoid the '6700W, which is a look-alike with poor performance. ICF-2010's and ICF-2002 (and later variations) abound and are still very serviceable portables, especially the '2010 (I'm looking for one in fact).

SQUIRES-SANDERS—This company made a couple of cutting edge models in the '60's. They were expensive and are therefore quite rare. The SS-1R was the ham receiver and the SS-1BS covered the international broadcasting bands. If you really want to make me jealous, find the matching SS-1V panoramic bandscope.

TME—The Technical Materiel Corporation built professional grade general coverage tube units in the '50's and '60's. Look for the GPR-90, -91 and -92.

YAESU—This company produced the "Volskradio" of the late 1970's—the FRG-7, which popularized the Wadley loop circuit, which allowed general coverage reception with frequency readout to 5 kHz across the HF spectrum. These are very common and even Sears sold them for a while. The usual price is around \$100. They are very good for a second or standby receiver and can be powered with internal D cells for portable

use. The successor FRG-7000 is basically a FRG-7 with a digital frequency display and a digital clock. The FRG-7700 is a fully synthesized unit and a reasonable performer (wish I hadn't sold the one I had!). The FRG-8800 added keypad tuning, but wasn't considered a red-hot performer in its time.

ZENITH—The Trans-Oceanic series was a long running series of classy portables. They offer great sound and reasonable performance. They have become quite popular collector's items lately, which has driven the price up (thanks a lot, Bryant and Cones!). They are worth buying if in good condition.

ACCESSORIES—Don't overlook such useful auxiliary items such as external speakers, antenna tuners, preselectors, etc. which can often be picked up quite cheaply. Hamfests are usually also good sources for tubes, coaxial cable and antenna wire.

Happy Hunting! and don't be afraid to bargain with the seller. If you live in the Baltimore-Washington corridor, I can tell you from personal experience that it's hamfest heaven. If you live in that area, pick up a copy of *Auto-Call* magazine at your favorite local radio store to get a listing of the upcoming hamfests. In other areas, check with local hams or check the listing in *QST* magazine at the library.



WANTED: Shortwave station pennants. I have more than fifty duplicate pennants to trade, and I will also buy any unwanted pennants or collections. Fred Kohlbrenner, 2641 South Shields Street, Philadelphia, PA 19142. You can also visit my pennant page on the internet at: <http://ourworld.comuserve.com/homepages/fkohl>

FOR SALE: Drake R-8 receiver. Used one season. In mint condition with original carton and manual. Asking \$700.00 or best offer. Shipping included for United States. Nick Terrence, 12 Eleanor Place, Huntington, NY 11743. Phone (516) 951-5477 anytime.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to more than 480 WRTH transmitter sites including new Russian republics. ITU Country Codes included. Send your location or coordinates. Price \$7.50. NASWA Journals '95 complete, \$15.00. WRTH '91, \$6.00; '93, \$7.00; '94, \$10.00; '95, \$13.00 or \$35.00 for all four. "Passport to World Band Radio" '94, \$9.00; '95, \$10.00; '96, \$13.00 or \$30.00 for all three. All items include shipping. (Overseas shipping extra). Cashiers check or money order only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398. No collect calls, please.

FOR SALE: Two Radio Shack Minimus-7 speakers (the ones that sound sooo good when added to table top receivers). Price is \$25.00 each plus shipping. Will sell separately. Contact Stephen J. Price at (ullera01@ctcnet.net).

NASWA Awards

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Howdy again! Since you have not seen an awards column for a few months, I bet you thought I had issued myself all the awards and skipped town. Actually, there have not been many applications over the winter and I have had a little vacation from awarding activities. It has been a pretty good DX season for the East coasters and I look forward to getting applications for the Indian and Pacific awards as you let your radios cool down and start more normal activities (radio folks do engage in normal activities, don't they?).

I hope you plan to enhance your country totals by taking part in ANARC's North

American DX Championships this year. The contest listening period begins Friday, 8 March at 1900 EST (0000 UTC) and ends Sunday, 10 March at 2359 EST (0459 UTC). Look for details in this month's Journal—it should be a great time. This year's NADXC is again timed to mark the end of Shortwave Radio Week (which runs from 4–10 March). We receive testimonials every year from NADXC participants telling us how much they enjoy the contest so, if you have not yet participated, why not take a shot at it this year.

Here are the latest buncha NASWAs to proudly display those NASWA greens:

John Brown

Jim Clar
Gary Froemming
Robert Gearing II
Jerry Klinck

Edward Lewis

Michael Schmal
John Sgrulletta
Edward Stroh

Yutaka Yamada
Daniel Ziolkowski

International DX Listener
Asian Continental DXer
South American Continental DXer
All Continental QRP-5kW
World Wide DXer
Master Pacifica DXer
Master Papua New Guinea DXer
All VOA
Senior Ecclesiastic DXer
International DX Listener
2kW (!) QRP endorsement
Ecclesiastic DXer
All American DXer
International DX Listener
South American Continental DXer
World Wide DXer

I have been asked to explain a few of the "rules" about the award program so, as an aid to the new folks, and as a reminder to the old folks, here is the basic scoop on the NASWA awards column.

Fees: The awards cost \$2 each in North America, \$3 US to the rest of the world. IRCs are accepted at the rate of \$0.50 each. Either checks or cash are fine, but if you send a check, please make it out to me, not NASWA

Awards or the like (one way of keeping the price of awards low is to not maintain a checking account. Therefore, if a check is not made out to me, I have to save up a bunch and send them to Bill, who can get them in the NASWA account most of the time, but then has to send a NASWA check back to me). US stamps, postal money orders and regular money orders are fine. Endorsement stickers used to be \$0.50, but now cost \$1. If you write a note to ask a question (and you

are not applying for an award), it would help to include an SASE.

Timing: If you are working on a number of awards, it is a good idea to save them up until you can send several applications at the same time. This helps me with my time and saves the club a considerable amount of postage money (it takes me an average of 15 minutes each to log in, check, determine serial number, enter in the computer database for the column, pull the award, type it, address the envelope, attach seals and write a note—but two or more awards to the same person takes only a tiny bit longer). I try to do awards at least every two weeks, but just like you, I get behind from time to time. If a long time has passed since you applied for an award, please let me know.

Country list: This seems to be a very hot topic at the moment! NASWA is very careful about the entries on its country list and it may appear at times that the Country List Committee is moving very slowly in adding countries. The NASWA list is the most respected list in the world for a reason—it is this careful attitude that has made it the standard. The Country List Committee, headed by Don Jensen, begins work as soon as a "new" country appears. Any addition to the country list is debated by the members of the committee and a vote is taken. The results of the debate and voting are then reported to the Executive Director, who then reports to the membership. It takes a lot of time, and to someone who is looking for an award, it may seem like an unnecessary process. But the complexity of the process insures a certain amount of integrity.

An excellent discussion of how countries make their way into the country list is found in Don Jensen's "Counting Countries" in *fine tuning's Proceedings* for 1989 (this issue of *Proceedings* also has an excellent article on preserving QSLs by CPRV's Jerry Berg).

The printing of the country list is handled by headquarters. A copy of the list is available from The Company Store for \$2. I do not have them, so to avoid delay caused by my forwarding your request to The Company Store, please send your request directly there.

Replacement Awards: An award can be replaced at any time (sorta like Savings Bonds) by sending the money and a copy of your old award (or the award number) to me. Many times folks just getting back into the hobby after being out for awhile have lost their awards and would like replacements—not a problem! If you have no idea, guess the dates and send 'em my way. I have computerized most of the historical data and I can usually find the information to reissue your awards.

I hope this answers your questions and makes the award program a bit more understandable. It all operates pretty much logically but please do not hesitate to ask any questions you might have. Let me hear from you. It is fun to collect NASWA awards and if you have not started yet, now is the time. Happy Hunting!

Featured Award of the Month

This time of the year, rather than feature an award, I feature the Winter SWL Fest—this year The Ninth (!) Annual Winter SWL Festival. As the years pass, the Fest turns out to be THE event of the year. Now in its ninth year, the Fest is different each year, yet in many respects, the same. There are the same folks you had a chance to meet last year, a new group to meet this year, the great forums, the hospitality room, the displays, the radios, the banquet, Father John's blessing, the prizes—its all there, presented in an atmosphere that encourages a laid-back, relaxed opportunity to enjoy radio. And although the Fest is billed as a SWL fest, it also has medium wavers, long wavers, scanners, TV D'xers, hams and broadcasters. I have just finished the program so will share it with you.

The Fest starts Friday, 15 March, with registration at 0730 (although many folks arrive on Thursday to open the Hospitality Room). The first forum begins at 0900 and features Uncle Skip Arey telling us about "Setting Up the Shack." At 1030, Richard Cuff and John Figliozzi will discuss the listening aspect of the hobby in "Easy Listening" (this is traditionally one of our most popular forums). Try as we might, we couldn't keep 'em away, and at 1300, right

after lunch (!), the Scanner Scum will present "Is There a Scanner in Your Future?" George Zeller and Andy Yoder will be discussing the year in pirate radio activity at 1430 in "Pirate Radio." Friday's forum activities will end after Rich Arland's forum at 1600 on "KISS Radio." Finally, the day closes with a swap meet/equipment sale which will run from 1900-2200. This is a come-as-you-are event: bring something to sell or swap if you want and strike your own bargains—the Fest will take no cuts.

Saturday (16 March) starts at 0900 with Ralph Brandi discussing the ever increasing role of technology in "Computers in the Radio Hobby." At 1030, Joe Buch and Chuck Rippel will present a much requested forum on "The Care and Feeding of Boat Anchors"—Joe and Chuck are requesting that you bring your favorite boat anchor to set up in a what's-what display that should be a real Kodak moment. The Fest lunch (included in your full Fest registration) will be held in the ballroom and after lunch, Harold Cones (now there is a familiar sounding name) will present "The Dawn of Shortwave Radio: A Walk Through the Zenith Archives", a slide show based on his research on the Zenith Radio Corporation. At 1330, Rich D'Angelo and Chuck Rippel will talk about "The Zen of DXpeditioning." The last forum of the day is a special ANARC forum

coordinated by Rich D'Angelo. "The Total Spectrum Radio Hobby" will feature four 15 minute presentations specializing in Longwave, Mediumwave, Shortwave and FM/TV.

The cash bar starts in the ballroom at 1800, followed by the Fest banquet (which will answer the age old question, "chicken or beef?") and the prize draw. After dinner remarks will be made by Ian McFarland who will share accounts of recent RCI problems and the impact of listener's letters in a talk called, "Don't Be A Cynic—Your Letters Really Do Count." We have assembled a pretty impressive pile of door prizes again this year (just like in past years) and you may well take home a new receiver, some good books, a pair of headphones or a Barto bag.

Saturday will also feature the all-day silent auction, with all proceeds going to an interdenominational African Relief Fund through Father John. Be sure to bring something to contribute to the silent auction and join in the fun.

So it looks like we have a lot to look forward too in the next month or so, what with the NADXC and the Fest—enjoy 'em. Happy DXing and I look forward to seeing you at the Fest!



Net Notes by Ralph Brandi, ralph.brandi@att.com

The **Nordic Shortwave Center** is on the web at <<http://sunweb.sds.se/org/sw/>>. This excellent site contains information from the **Danish Shortwave Clubs International** and the Swedish publication **Shortwave Bulletin** (kind of a Nordic Numero Uno or Fine Tuning), some of which is only available to club members. Web master Hermod Peterson also includes information about Bolivian and Peruvian stations that he's compiled, and other articles of interest.

Belgian club **DX-Antwerp** has a web site at <<http://www.1Nnet.net/~dxa/>>, with schedules, club information, and information from their bulletins.

The **Benelux DX Club** has been posting tips to rec.radio.shortwave for over a year. Now their tips can be found on the web at <<http://promet12.cineca.it/htdx/swls/bdxc.html>>. The site includes their DX Hotline publication, as well as their lists of broadcasts directed to Europe in English, French, and German. There is also a list of DX Programs there.

DXers with tendencies to mediumwave won't want to miss the excellent **NRC** page at <<http://wcoi1.com/~gnbc/>>. The page includes current columns from DX News, as well as a wealth of historical information. Fred Vobbe also includes audio excerpts from the DX Audio Service, as well as scripts for DXAS. There's truly a wealth of information at this site.



Country List Committee Report

Don Jensen
5204 70th Street
Kenosha, WI 53142

The NASWA Country List Committee is a seven-member body whose responsibility is to maintain the country list standard used by NASWA members and others to count countries heard and verified for purposes of awards, scoreboard and individual recordkeeping. Its members are Jerry Berg, John Bryant, David Clark, Harold Cones, Gerry Dexter, John Herkimer and Don Jensen, chairman. Comments, questions and suggestions are welcome and may be addressed to the chairman at 5204 70th Street, Kenosha, WI 53142. Questions of general interest may be answered in this column, which appears in the JOURNAL at least several times a year.

Several members have submitted questions about the list. Why do we need a country list? Since the earliest days of SW broadcasting, that is, the 1920s, listener/hobbyists have counted the number of countries they have heard and confirmed with QSLs. Traditionally this tally has served to measure DXing progress and success both individually and among listeners.

While country counting may not be as important to some NASWA members, the number of participants in the awards program and scoreboard suggest that it is part of the fun of the hobby to count countries. For these members, then, a yardstick is needed so that everyone uses the same standard counting units.

Is the NASWA list the only country list?

No. Other radio clubs and organizations around the world maintain their own country lists for their own purposes and reasons. The ARRL, for instance, maintains a radio country list for use by amateur radio operators. This list used by hams has many more countries on it than does ours, since there are many more "countries" which are or have been represented by amateur radio activity. The NASWA list is intended for use by those DXers who listen to shortwave broadcasting stations. While the NASWA list is primarily intended for its own members, it also has been adopted by many other SWBC DXers in North America and overseas. We believe that

this widespread voluntary acceptance of the list indicates that a great number of DXers around the world recognize its usefulness and fairness.

Committee Activity

The country list committee convenes several times a year, usually by ordinary mail or e-mail, to discuss business, which may include voting on whether to add new countries. By policy, once a country is added to the list, it is not removed, regardless of real world political situations. The committee recently voted against granting radio country status at this time to the Russian exclave of Kaliningrad. A special subcommittee is studying the broad question of how to handle the former Soviet Union. In the past, and currently, the USSR has been divided into separate radio countries at the political level of union republics. Since the USSR no longer exists, union republics no longer exist, and have become politically independent. These, of course, will remain radio countries on the country list.

But what of Russia itself? Several geographical/ethnic entities within Russia itself have established or tried to establish varying degrees of independence. Should any or all of these be considered separate radio countries? What criteria should be considered in determining Russian radio countries? The subcommittee is to make recommendations later this year, at which time, Kaliningrad again will be considered. Another subcommittee is considering the format of the country list, how much background and explanatory material should be included with the list and how to make it more user friendly. It too will report later in the year.

As there have been relatively few changes to the list in the past several years, a new and updated edition is not expected in the near future. However the format subcommittee's recommendations which are approved by the committee as a whole will be incorporated in the next edition of the country list, probably sometime in 1997.

These subcommittees welcome member input.



Listener's Notebook

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WELL, although we're still in DX season, the column's a bit short this month. Problem is, those long, involved schedules for the big international broadcasters? Got 'em, did 'em. Some latecomers are still straggling in, but I'm sure as heck not wasting space on items good for only three weeks of listening and reference. And it's still a wee to early to start seeing the new spring and summer skeds. So we'll just have to muddle through with what we have. Which, in its own, all-killah-no-fillah way, ain't too shabby.

Thanks, as always, to our erstwhile, erudite and enthusiastic contributors.

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ANGOLA *Voice of the Resistance of the Black Cockerel* (VORGAN). All programs in Portuguese or local languages except for English 1835-1900 on Tuesdays and Thursdays (irregular).

0450-0900 9755
1050-1430 11830
1650-2100 7090

(BBCM)

BOLIVIA

4702 **R. Eco**, according to recent station announcements, continues to offer a station poster to reporters, although no one has yet reported seeing one. (30-Dec/Klemetz/Dateline Bogota)

4854.95 **R. Centenario** w Palabras followed by chimes at 2358, then TC "ocho de la noche en punto" at 2359. Ute started 2359.30. Quite weak signal. (6-Feb/Ekwall/Cumbre)

4965 **Radio Juan XXIII** 0953 SS, presume this one here but heard consistent ID's for *Radio Cuatro y Tres* or something like it. End of rel pgm, into full ID at 0955 *Desde San Ignacio de Velasco, Radio Cuatro y Tres...*, 1000 W annr tlk, interview and 'carnival' style mx in between. (6-Feb/Mohrmann/Cumbre)

6025 **Radio Illimani**, La Paz, has reactivated here // 4945 kHz. (Tony Jones in Numero Uno #1350)...the listed sked is 1000-0400, except Sun 1100-0400. (Clark/2-96/ODXA WRR)

6142 **Radio Mauro Nuñez** reactivated with better audio than ever before. First logged Jan. 6th at 0040. Now also active in the morning, from 1000 sign on. (H. Klemetz, Dateline Bogota, 01-15-96)

I was curious as to just who Mauro Nuñez was as I had never heard of him and did not find a mention of the guy in some Bolivian history materials that I consulted. I posted a question to the Bolivian usenet group. It turns out that he was a very famous charango player—a "painter and sculptor on the charango" as one person put it. Apparently passed away, since only referred to in the past tense. One reply mentioned having seen him perform, however. As you might guess, he was from Sucre where the station is located. (Don Moore)

BOTSWANA *Radio Botswana* has returned to 4820 kHz, after a move 7 years ago to 4830 kHz. (BBCM)

BRAZIL The 1995 WRTH still lists the *A Voz do Brasil* program as being mandatory on all Brazilian broadcasters from 2200-2300. This program goes back to the Getulio Vargas dictatorship of 1930-1945 (maybe the longest running SW program now that *Happy Station* is gone?). I posted a query to the Brazilian group and got two replies back, both stating that it is indeed still required and still carried by all stations. Both replies were from Brazilians in the USA, so I'm not sure how up-to-date they are. One did note that the program can be heard on *Radio Nacional Amazonia* on 11780 everyday at that time. It would be interesting to check for //s on other Brazilians, but it's tough to get Brazilians that early in Iowa at this time of year. The guy who listens to it on 11780 said that while it is sometimes interesting, maybe the requirement is "why car radios with shortwave are so popular in Brazil." An interesting comment. I also asked about the "Projeto Minerva" that used to be listed in the WRTH for 2300-2330 but is no longer. Only one of my two replies responded to that and he said he had never heard of the program. (Don Moore)

CHILE R. Esperanza, 6090, noted with an English religious program, @0734 Hawaiian mx introduces *Comfort and [Cheer?]*, religious pgm on tape from Toccoa, Georgia, USA, to 0805, then back into SS. Would be xlnr if not for Brazilian. Noted 14-Feb (ed.)

CHINA New relay for *CRI*? Beijing introduced new 17690 for daily EE to Australia and Oceania on 1 February, 0800-1000. Super strong in Melbourne. A note from the English section of CRI asks for reception reports of this new outlet. Excellent modulation, site unknown, possibly a relay somewhere! (10-Feb/ARDXC DX Press/Padula)

CHINA - TAIWAN *Voice of Asia* sked:

0500-0700	Chinese	7285
0700-1100	Chinese	9280
0800-0900	Cantonese	7445
0900-1000	Hakka	7285
1100-1200	English	7445
1200-1300	Indonesian	7445
1300-1500	Chinese	7445
1500-1600	Thai	7445
1600-1700	Indonesian	7445

(BBCM)

CIS CIS Mayak program sked, all in Russian:

0000-0100	5950U
0100-0300	5950U 5935 4930 4825
0400-0500	5950U
0530-0600	7310U
0600-0700	12060 7330 7310U
0700-1000	12060 11985-(fm 0730) 11785 9575 9500 7330 7310U
1000-1100	12060 11985 11785 9500 7330 7310U
1100-1300	12060 11985 11925 11785 9855 9500 7330 7310U 4825
1300-1400	11785 9500 7330 7310U 4855D 4825
1400-1500	9855 9500 7330 7310U 6035-(fm 1430) 4855D 4825
1500-1600	7330 6110U 6035 4825 3376D
1600-1800	6160 6110U 6035 4825 3376D (to 1700)
1800-2100	6110U 6035 4825
2200-2300	6035

(Note: D=dsb) (BBCM) Mayak is no longer relayed via Ukraine sites. Reason given is Mayak's inability to pay its bills. (BBCM)

Radio Rossii (Radio Russia) all in Russian:

0000-0100	6090 4895 4820 270
0100-0200	6090 5360U 4820 4485
0200-0300	7325 6110 5910 5815U 5360U
0300-0400	7335 7325 5815U 5360U 4485
0400-0500	7335 7325 6110 5815U 5360U
0500-0600	7335 7250-(from 0530) 5360U
0600-0700	11990 11720 11630 9720 7335 7250
0700-0800	16330U 12175U 11990 11720 11630 9720

0800-0900	16330U 12175U 12045 12000 11990 11720 11630 9720 7250 5930
0900-1000	16330U 12175U 12045 11990 11720 11630 9720 7250 5930
1000-1100	6330U 12175U 12045 11990 11720 9720 7250
1100-1200	6330U 12175U 12045 11990 11720 9720 7250
1200-1300	16330U 12175U 12045 11990 11910 11630 9720 7440 7250
1300-1400	16330U 12175U 12045 9720 7250 6125
1400-1500	16330U 9720 8005U 7250 6125 5930
1500-1600	11575U 8005U 7340 7145 6125 6040 5965 5910 5290 4485
1600-1700	11575U 8005U 7340 6125 6040 5965- (fm 1630) 5910 5290 4485
1700-1800	11575U 7340 6805U 6125 6040 5965 5910 5290 4895 4730 4485
1800-1900	11575U 7340 6805U 6125 6040 5965 5910 5290 4895 4485
1900-2000	6805U 6125 5965 5290 4895 4485
2000-2100	7970U 6805U 6125 5290
2200-2200	7970U 7335 6805U 6125 5965 5910
2300-2400	7970U 7335 6805U 6125 5965 5910

(BBCM)

CIS Radio Denge Medya, the Kurdish-language station which used to broadcast from a shortwave transmitter in Russia, has not been heard since last December. (BBCM)

Radio Roks. Miensk is operating via military tx on USB mode v5025 kHz ± 5 kHz. Mayak relays in usb mode via military txs 4855, 5032, 5262 kHz, all located in Belarus. 5032 kHz at 1300-1500 UTC. (Pavel Mikhailov Radio Rossii DX Klub via BCDX). In addition, there is one more frequency in use for relays via military tx. That is 3376 kHz. Usually uses in local evenings time. On Feb 18th heard at 1620 UTC with **B.A. Radio** relays (B.A. stands for Belarus-Amerika. It's a joint venture with **WYFR** which relays religious programmes in Russian in Minsk daily for 1-2 hours on 104.6 FM. Other times is filled th pop-mx prog.) At 1645 UTC B.A. relay was interrupted for communications purposes. Male voice ID itself as *Galop 03 calling and standing by...* In a few moments B.A. relays was continued. (Nikolai E. Pashkevich Moscow RUS, Feb.18/via Bueschel/BCDX)

Radio-1 (for European Russia), in Russian:

0600-0700	11750 9605
0700-1150	15255 11750 9605

(BBCM)

Radio Station Yunost (Youth Channel/Radio 2):

0400-0700	11895 9765
0700-1600	9765

Last month's LN carried an item by Pavel Mikhailov guessing the **VORUSSIA** was testing a new, high-powered transmitter. Following up, Russian ex-

pert Kevin Hecht writes that ITU registrations show 6030, 6085 and 12030 as registered to the Russians via Simferopol, Ukraine, with 1000 kW. "This is interesting because both myself and others were under the impression that since Dec. 1994 (or earlier), there were no relays of Russian programs over Ukrainian sites. Sked of these three frequencies appears to be:

6030	0200-0600	Golos Rossii
6085	1600?-2100	Golos Rossii
12030	1100-1500	Golos Rossii

"So the big news is there do once again appear to be relays of Russian programming over Ukrainian transmitters."

Re last month's item about *VORussia* denying involvement with the *VOVietnam* relay, Hechy says, "It's not surprising that they deny Vietnamese relays from Russia, as the Technical Department at VOR knows nothing about broadcasts other than those originating from VOR. Joe Adamov explained this for me over Moscow Mailbag: the *VORussia* actually owns no transmitters—it rents them from the Ministry of Communications, and therefore they only have access to information on transmitters that they use. The best way to find out CIS transmitter data is either from the station using the transmitter, or from Mr. A.T. Titov, Chief of the Main Centre for Control of Broadcasting Networks, ul. Nikolskaya 7, 103012 Moskva, Russia (fax 095-956-75-46). Expect a long wait by letter, and Mr. Titov rarely supplies transmitter sites.

R. Georgia in English to Europe was observed on 11910.1 at 0830-0900 (not at 0800-0830 as listed). (21-Feb/Koutamanis - Netherlands)

Radio Vilnius sked follows. Only 9710 is direct; 5910 is relayed via Juelich, Germany:

0000-0030	Lithuanian	5910
0030-0100	English	5910
2000-2030	English	9710
2200-2230	Lithuanian	9710
2230-2300	English	9710

(BBCM)

CLANDESTINE - AFRICA *Voice of Oromo Liberation*, operating from a Ukrainian transmitter, announces broadcasts every Wednesday, Saturday and Monday at 1600-1700 on 5960 kHz. (BBCM)

CLANDESTINE - ASIA *Echo of Hope* broadcasts to North Korea from transmitters in South Korea. All broadcasts in Korean:

0300-0600	6348
0800-1800	3985
2000-2300	3985

(BBCM)

Radio of the Provisional Government of National Union and National Salvation of Cambodia supports the Khmer Rouge. It adopted its present name on 11th July 1994; prior to then it had called itself Voice of the Great National Union Front of Cambodia (VGNUFC). Sked on 1130-1330 and 2330-0130 on 5407-v, all in Cambodian. (BBCM)

Voice of Kashmir Freedom, opposed to Indian control of part of Kashmir, noted 0230-0330 UTC in Urdu on 5300 kHz, 1530-1730 UTC Kashmiri on 4119.8v (irr.) and 5300 kHz. (Michael Ford in WDX Contact/Bueschel)

CLANDESTINE - MIDEAST *Radio Message of Freedom*, the opposition station which supports the Islamic Party (*Hezb-e Eslami*) of Afghanistan led by Golboddin Hekmatyar, continues to be observed using two shortwave transmitters. One of these, which had been heard in December and early January on around 6235, has now reverted to 6145 kHz. This was the frequency used when the station's second transmitter was first heard in March 1995. Another transmitter continues to operate in parallel around 7090 kHz. (BBCM)

On Jan 19th simultaneously break down in the broadcasts 0500-0505 of *VoKurdistan Iraq* 4070 kHz, and *VolIranian Kurdistan* (Voice of the Kurdistan Democratic Party of Iran—KDPI—0330-0500 UTC 3945, 4190 /v4185 kHz). Both radio stations are operating from same electricity circuit? (19-Jan/Bueschel - Germany/BCDX)

COLOMBIA *CARACOL* from Santa Fe de Bogota on the air again on 5076.7 kHz (x5075.1). (23-Jan/Mueller/Bueschel - Germany/BCDX)

COSTA RICA *Radio Casino*, Puerto Limon, 5953.6, is celebrating their 50th anniversary in 1996. Heard when *CARACOL Villavicencio* is not covering the frequency. (H. Klemetz, Dateline Bogota, 01-15-96)

CROATIA *Croatian Radio*, all in Croatian except per footnote:

0000-0600	7370-(to 0200) 5895
0600-0700	9830 7370 5895
0700-0800	9830 7370 5920
0800-1230	13830 9830-(to 1230) 7370 5920
1230-1400	13830 7370 5920
1400-1600	13830 7370 5920
1600-2000	13830 7370 5895
2000-2200	11635 7370 5895
2200-2400	7370 5895
2300-2400	7370 5895

News in English is broadcast at 0000, 0100, 0200, 0300, 0400, 0500, 0703, 0803, 0903, 1303 and 2203. (BBCM)

ECUADOR *Radio del Buen Pastor*, 4830.2, noted 0053 to 0103 sign off when Radio Tachira not blocking the frequency on Jan. 11th. (H. Klemetz, Date-line Bogota 01-15-96)

Anker Peterson of DSWCI recently visited *Radio Baha'i*, 4949.8 kHz. Their new transmission schedule is: Quichua 0900-1200 and Spanish 1200-1900. They appreciate reception reports which should include a photo of the listener and his family.

New La Voz de Chinchipe in Zumba close to the Peruvian border was heard with weak signals in northern Ecuador on 3570.2 kHz from sign on 1130-1215 and again at 2348-0100 sign off. (28-Jan/ARDXC DX Press/Padula)

As of Feb 1st **HCJB** Quito ceased program in Russian towards Far East 1030-1130 UTC on 9415. (Nikolai E. Pashkevich RUS, Feb 18/Bueschel)

EGYPT GEC-Marconi Communications has contracted to supply a 500-kW shortwave radio broadcasting transmitter to Egypt. (BBCM)

ERITREA *Voice of the Broad Masses of Eritrea* now uses 7085 kHz as an alternate to its usual 7020 kHz. These frequencies carry the station's service in Tigrigna and other languages in parallel with 5000. The station continues to operate a second service in Afar and Arabic on 4000 and 7390 kHz. (BBCM)

ETHIOPIA Ethiopia's president, Dr. Negaso Gidada, has offered to lease *Radio Ethiopia's* transmitters to *Deutsche Welle* for relay of DW broadcasts. (BBCM)

GREECE *ERT Thessaloniki* regional to CeEUR at 0600-0800 UTC now on 6245 kHz (x7429.8), and usual 9934.7 & 11595.2 kHz, all in Greek. (27-Jan/Bueschel -Germany/BCDX)

ICELAND *Rikisutvarpid*, the National Broadcasting Service, operates in Icelandic only from:

1215-1300	13860U	11402U
1410-1440	13860U	11402U
1855-1930	9275U	7740U
1935-2010	13860U	11402U
2300-2335	11402U	9275U

(BBCM)

INDIA *AIR Itanagar* 4990 is still not officially commissioned due to a shortage of trained staff. (Guha/WRR/Clark/Cumbre) Heard testing irregularly at 1100-1630 s/off on assigned 4990 kHz. (Kular via DXPL/Clark/ODXA WRR)

The Indian government has approved a plan for setting up 17 All India Radio (AIR) stations in the northeast region. AIR also recently inaugurated a new site at Diphu [no frequencies/bands given] and

laid the foundation for a new AIR station at Dhubri, near the border with Bangladesh. (BBCM)

AIR Gangtok (Sikkim) has been heard testing at 1030-1430 on assigned 3390 kHz by Jose Jacob here in India. Reports are also by the Station Engineer. (Manosij Guha) / Also reported testing 1300-1630 (Kular, India, via DXPL/Clark/ODXA WRR)

AIR Aizawl-5050 kHz has not been heard either here in New Delhi or in Central India by Jose Jacob for quite some time. I will be in Bangladesh in February to cover the elections and will give a good listen for it then, as well as for other NE region outlets which are rather difficult for us to hear. (Manosij Guha)...Manosij is a TV producer by profession, as well as a part-time monitor for the VOA in New Delhi. He writes that he was recently in Kashmir "where I spent a few scary days with some militants". (Clark/ODXA WRR)

INDONESIA

3222.8 **RRI-Mataram** Tlk, Islamic mx at 1130 then local mx. ID at 1149 "*Radio Republik Indonesia Mataram*". RPK at 1159. Jakarta nx relay at 1200. Poor, but the signal strength improved recently. (28-Jan/Yamada/Cumbre)

3264.6 **RRI-Gorontalo** Drama at 1247. S/off at 1258. Poor. Moved from 3266.4. (28-Jan/Yamada/Cumbre)

3295.3 **RRI-Samarinda** Local pops at 1217. Poor. I picked up it after an interval of 2 months. (31-Jan/Yamada/Cumbre)

3325.0 **RRI Palangkaraya**, good with only slight fading, heard @1245 with fast moving local pop songs. @1258 had pig info, then coconut song. 1300 T/pips, followed by news from Jakarta and talk on economy, which sounded weak. [the talk, the economy, or the station? -ed.] (4-Feb/Kecskes/Cumbre)

3904.8 **RRI Banda Aceh** 2208 Very soft-voiced man in Indonesian till 2215, when into typical Indo pop music with plenty of bass. Decent carrier but very low speech audio. ID assumed. (Hill, Feb. 18)

3905 **RRI Merauke**, 1108 on Feb.9, mixing with New Ireland, then much stronger with M talking in crisp Indonesian, clear mention of "*Merauke, Indonesia*" at 1113, choral NA at 1119, W talk past 1133, PNG underneath the whole time. (9-Feb/Murray)

3996.13 **RRI Kendari** 1550-1557+; pgm of Middle-East mx, with anmnts and clear ID by M at 1552. (30-Jan/Martin/Cumbre)

4789 **RRI-Fak**—special ENGLISH segment 1015-1030, with tourist news and travel nrvt, Gann mx 1030-1035. Unsure as to whether this is daily, weekly, or other. (30-Jan/Padula/Cumbre)

- 4874.6 **RRI Sorong** has been off the air since Dec 1st. (Kito Asian/DX Forum/WRR/Clark)
 4925 **RRI Jambi** 2151 Nonstop Qur'an recitation till 2200:30, when man in Indonesian spoke briefly, then turned mike over to woman for talk past 2203. Somewhat choppy but fair overall. (Hill, Feb. 7)

KENYA VOKenya, 6150 kHz, noted mixing w/NHK EE between 0505 t/in to precipitous drop around 0525, peaking around 0515, with lively EAF mx, W ancr, and a produced ad/PSA or two. QRM de BBC Ascension/6155. (14-Feb/ed.)

LIBYA Jamahiriya reactivated on 6155, with sometimes-parallels of 9655, 9705, 11770 and 11815. (Noel Green/28-Jan/ARDXC DX Press/Padula)

MALAWI 3380 **Malawi BC Corp.** 2124 This one is back with a vengeance—and probably with a new transmitter, too. Booming in with hard rock (e.g., Deep Purple) hosted by DJ calling himself Mighty Dog. Even stronger than usual 90-meter champ Ghana/3366. (Hill, Feb. 18)

MALAYSIA Voice Of Malaysia:

0555-0655	EE (VO Islam)	15295 9750 6175
0655-0825	English	15295 9750 6175
0830-1025	Malay	15295 9750-(to 0900)
0900-1500	Indonesian	9750 6175
1030-1230	CC/Cantonese	15295 11885
1300-1430	Thai	6100
1430-1530	Burmese	6100
1500-1600	Malay (VO Isl)	9750 6175
1530-1700	Arabic	15295
1700-1900	Malay	15295 9750 6175
2200-2400	Indonesian	6175 6100

(BBCM)

MALTA Following up on last month's conjecture in these pages, *Voice of the Mediterranean*, a joint Maltese-Libyan external radio service which broadcast from studios in Valetta via the *Deutsche Welle* (DW) relay station on Malta, has gone off the air following the closure of DW's transmitters on the island. (BBCM)

MYANMAR Sign on for 9730 channel seems to be 0330, audible in Australia to past 0630. (28-Jan/ARDXC DX Press/Padula)

NEPAL Radio Nepal sked:

0015-0615	Nepali	7165-(summer)	5005 3230-
		(winter)	
0615-0715	Nepali	7165-(summer)	5005 3230-
		(winter)	Sa

0715-1715 Nepali 7165-(summer) 5005 3230-
(winter)

(BBCM)

PAKISTAN 4895.8 **Pakistan BC Corp.** 2056 Uninterrupted Qur'an chants till 2130, when into talk in presumed Urdu. Still at it past 2200 but gone at 2220 recheck. Echoey speech audio a la Brazil; // 4790.6 slightly weaker but with extremely low audio. Neither one there next day. (Hill, Feb. 18)

PAPUA NEW GUINEA Radio North Solomons has re-activated a 10 kw transmitter on 3325 kHz, heard until 1300Z s/off (15-Feb/Cushen/RN Media Network/Walker)

PERU

- 3397.8 **Radio Internacional del Peru** 0934 SS, audible between UTE transmissions. Andean mx, 1032 ID "...3395..." *Radio Internacional...* UTE, het and USB QRM. My head hurts. (7-Feb/Mohrmann/Cumbre)
- 4000.09 **LV de su Amigo** (pres.), 1047-1118, Soft campo mx, then M anncr w/UTC -5 TCs. (7-Feb/Valko/Cumbre)
- 4012 **R. Frecuencia Popular**-Rioja, raided and closed by the government for operating without a permit. (H. Klemetz, Dateline Bogota 1-15-96)
- 4154.12 **Radio Naylamp**, Lambayeque; 1200 w/ad for local event, several "Radio Naylamp" mentions. Not heard here for a while. pr-fr (McVicar Feb 6)
- 4182.56v **Radio La Voz de Sayapullo** (Sayapullo); 1204 w/folk mx, TC and many IDs and saludos, talk of the power situation, mention Huacapampa and other places in listening area during the many greetings given. Sayapullo is located in southern Cajabamba province at the south end of Cajamarca Department, near the border with La Libertad Dept. (6-Feb/McVicar/Cumbre)
- 4187.87 **R. Selva Superior**, 1209-1252 w/folk mx program, which included one Ecuadorian "Pasillo." (McVicar/Cumbre)
- 4300.1 **LV de Naranjos**-Naranjos, noted signing on at 2350 giving frequency of 4310 with an announced power of .5 kw. (H. Klemetz, Dateline Bogota, 12-30-95) Station was raided and closed by the government as well. (H. Klemetz, Dateline Bogota, 01-15-96)
- 4505.1 **Radio Horizonte**, has reactivated 4505.1 kHz in November and uses the slogan *La emisora del pueblo*. (H. Klemetz, Dateline Bogota, 12-30-95)

- 5264.75 **Radio 5264** (Chiriaco); 0135 w/
Ecuadorian folk mx, M anncr w/ID and
QTH. Choppy audio and poor signals
overall. First time heard in a couple of
months. Per Henrik Klemetz's Oct 15
Dateline Bogota, address is Jiron Ricardo
Palma s/n, Chiriaco, Depto. de Amazonas.
("s/n" means without number, and is
written "s/n" on the envelope.)
Interesting that a number of Peruvian
pirates are suddenly back, along with
some new ones, especially in light of the
recent busts reported by BBCMS a few
weeks ago. (7-Feb/McVicar/Cumbre)
- 5277 **R. Paccha**, noted a sign on at 1105,
December 11th, 1995 giving the address
as Mariscal Castilla. Paccha. (H. Klemetz,
Dateline Bogota, 12-30-95)
- 5458.71 UNID, **Radio La Voz de ___?**. 2252
UTC w/program of Ecuadorian pasillos
called *Pasillos de Recuerdo*. TC giving fqy
of 5460 kcs, 60 metros, ID as "*Radio La
Voz de* (something kind of like 'Triofoy'),
la frecuencia de su corazon." ("The
frequency of your heart.") ID and time
check at 2259 UTC mentioning what
sounded like "Conocoto." Gave address
but too weak to get more than something
that sounded a bit like "Jiron Juan
Cobran..." Feb.3. There's a Conocoto just
outside of Quito, but I'm sure this one is
much further away. (McVicar)
- 5498 **Radio Lajas** uses the following address.
Jiron Rosendo Mendivil 589, Lajas, Prov.
de Chota, Cajamarca, Peru. Slogan used is
"la frecuencia de la amistad". The station
appears to sign on just before 0000 utc
and has been heard in the USA and
Europe. Henrik heard them reading a
letter from TIN in Japan. (H. Klemetz,
Dateline Bogota, 12-30-95)
- 5766.8 **Estacion Soritor**, 5766.8, has extended
its shortwave transmissions past 0100.
One advertiser is Laboratorio Laser, an
FM-SW transmitter builder. (H. Klemetz,
Dateline Bogota, 12-30-95)
- 6803v **Radio Ondas del Rio Mayo**, 6803v, one
of the "emisoras piratas" was raided in
early January. This is one of nine
stations closed down. (H. Klemetz,
Dateline Bogota, 01-15-96) Recent
monitoring shows them back on the air
in early Feb. (CL)
- 9720.5 **Radio Victoria-Lima**, 9720.5, has been
off the air since mid-December. (H.
Klemetz, Dateline Bogota, 01-15-96)

POLAND **Radio Maryja** is a private station owned
by the Catholic Church. It operates a domestic ser-

vice on VHF/FM within Poland. Some programs are
also broadcast on shortwave. Sked:

0700-0930 Polish 7285-(to 0825) 5900
1100-1430 Polish 5970

(BBCM)

PORTUGAL RDP Internacional schedule:

0000-0230	Portuguese	11840-(to 0200) 9635 9570 9555-(fm 0015) 6095
0230-0300	Portuguese	9635 9570 6095 Su/Mo
0230-0300	English	9570 6095 Tu-Sa
0500-0800	Portuguese	9780-(fm 0500) 9630-(fm 0545) 6130 Mo-Fr
0700-0800	Portuguese	21655 17680 9780 6130 Sa/Su
0700-0900	Portuguese	17595
0800-1300	Portuguese	9780 6130
0800-1800	Portuguese	21655 17650 9615 Sa/Su
0900-1100	Portuguese	21720 21655 17680 Mo-Fr
0930-2000	Portuguese	21655 17680 Sa/Su
1105-1200	Portuguese	17595 Mo-Fr
1200-1300	Tetum	17595 Mo-Fr
1300-1430	Portuguese	21515 Mo-Fr
1430-1500	English	21515 Mo-Fr
1500-1800	Portuguese	21515 Sa/Su
1700-2000	Portuguese	21655 15515 9815 9780 6130 Mo-Fr
1800-0930	Portuguese	21655 15515 9780 6130 Sa/Su
2000-2030	English	15515 9815 9780 6130 Mo-Fr
2030-2100	French	15515 9815 9780 6130 Mo-Fr
2200-0000	Portuguese	11840 9635 9600 9570 6095 Sa/Su

(BBCM)

SEYCHELLES FEBA noted on new 9455 with Farsi
1815-1845*, replacing 9420. (10-Feb/ARDXC DX
Press/Padula) Also on new 11695 with Arabic, 0410,
ex 11675. Change probably to avoid super-strong Ku-
wait on 11675. (Padula, 16 Feb/Cumbre)

**SIERRA LEONE Sierra Leone Broadcasting Ser-
vice** (SLBS) shortwave sked is erratic. Programming
includes relays of the BBC African service in English.
Programs are multilingual, with English news from
0700-0710, 0800-0810, 2000-2015 and 2200-2215.
0600-0830 3316
0830-1700 5980
1700-2300 3316

(BBCM)

SINGAPORE From 1 February, **Radio Singapore** is
using 6015 kHz for English from 1100-1400 UTC.
(Kecskes/Cumbre)

UGANDA From 2 February, *Radio Uganda* increased its daily broadcast output by 45 minutes, now closing down only from 1234-1300 UTC weekdays (no break in transmission on Saturday or Sunday). (BBCM)

On 12 February, *Radio Uganda* began tests on 3340 kHz, a channel they used in the 1960's and 1970's. It said 3340 kHz would be used as the evening (from 1300) and early morning (until 0600) shortwave frequency for the station's Red Channel, replacing 4976 kHz. The Red Channel's daytime frequency (7195 kHz) will be unaffected. (BBCM)

USA WGTG (With Glory To God) is sked in English:

0000-0100 9475 Sa-Mo

0200-0400 9475 Sa-Mo

1300-2100 9475 Fri-Su

(BBCM) They noted they would switch to 9370 starting on 27-March. (Crawford)

On their Wednesday evening [7th February] *WVHA* broadcast, *Prophecy Countdown's* Pastor John Osborne announced he has a claim to 162 acres in Hawaii to build another shortwave station to broadcast the Three Angels message to Asia and the Pacific, depending of course on the success of *WVHA*. (Hauser/WOR/BBCM)

WWCR's fourth transmitter is now up an running on this schedule:

1800-2200 9400

2200-0600 7435

(Fine)

KAJZ, 9815.1 @1222 w/Gene Scott junk, incredibly buzzy modulation and unstable frequency, off at 1300* It's an embarrassment having an SWBC signal this crappy originating from the U.S. (18-Feb/ed.)

USA/SLOVAKIA/OTHERS *Radio Liberty* sked follows:

0000-0100 Kazakh 9625 7145 6135

0000-0100 Russian 9520 7245 7220 7155 6105 5955

0100-0200 Kyrgyz 9540 7295 6050

0100-0200 Russian 9520 7245 7220 7155 6105 5955

0200-0300 Kazakh 9625 7145 6135

0200-0300 Tajik 9595 7295 6050

0200-0300 Turkmen 9680 7255 6170

0200-0400 Uzbek 9725 7190 5985

0300-0400 Armenian 9680 7145 6170

0300-0400 Russian 9520 7245 7220 7155 6105 5955

0400-0500 Azeri 9680 9595 7180

0400-0500 Russian 11885 9725 9520 7220

6140 6105 5955

0400-0500 Tatar- 9540 7255 7190

Bashkir

0400-0500 Ukrainian 7245 7165 6170

0500-0600 Belarusian 7190 7115 5970

0500-0600 Georgian 9680 9595 7180

0500-0600 Russian 11885 11875 9625 9520

7220 6140 6105

0600-0700 Russian 11885 11875 9520 7220

7190 6105

0600-0700 Tatar- 11855 9695 9540

Bashkir

0600-0700 Ukrainian 9510 7245 6170

0700-0800 Russian 15250 15205 11885 11875

9520 7220 6105

0800-0900 Russian 15370 15250 15205 11970

11885 9625 9520

1100-1200 Russian 17805 15370 15215 11885

11725 9520

1200-1300 Kazakh 17750 15340 11970

1200-1300 Russian 17805 15370 15215 11885

11725 9520

1300-1400 Russian 17805 15445 11885 11725

9520 7220

1300-1400 Uzbek 15370 15215 11770

1400-1500 Kazakh 15340 11970 9695

1400-1500 Turkmen 11875 11770 9660

1500-1600 Armenian 15115 11875 11770

1500-1600 Belarusian 9660 7245 5970

1500-1600 Russian 15445 11885 11725-(to

1545) 9520 7220 7190

1500-1600 Tajik 11905 11895 9695

1600-1700 Azeri 11875 9540 7245

1600-1700 Kyrgyz 9695 9660 7200

1600-1700 Russian 11885 11805 9520 7220

7190 6105

1600-1700 Tatar- 11835 9505 7295

Bashkir

1600-1700 Turkmen 11895 11770 11645 9565

1700-1800 Armenian 11875 9595 9540

1700-1800 Russian 11885 9520 9505 7220

7190 6105

1700-1800 Uzbek 9660 9565 7295

1800-1900 Belarusian 9705 7200 5955

1800-1900 Georgian 9595 7255 7245

1800-1900 Tajik 9575 7295 6170

1800-1900 Turkmen 11875 9565 9540

1800-2100 Ukrainian 9625 7115 5985

1900-2000 Russian 9750

2000-2100 Azeri 9770 6140 6095

2000-2100 Belarusian 7245 6115 5970

2000-2100 Georgian 9680 9670 7165

2000-2100 Russian 9750 9660 9520 7270 7265

7220 6105 6060

2000-2100 Tatar- 7145 7135 5955

Bashkir

2100-2200 Russian 9645 9520 7270 7265 7220

6105 6060

2200-2300 Russian 9645 9520 7245 7220 6105

5955

2300-2400 Russian 9520 7245 7220 7155 6105

5955

(BBCM)

Radio Free Europe:

0500-0600	Romanian	9725 7165 6095 Mo-Sa
0600-0700	Romanian	11770 9725 7165
0700-0800	Romanian	11770 9725 7165 Su
0700-0800	Bulgarian	15215 11855 9625
1100-1200	Bulgarian	17725 11915 9725
1500-1700	Bulgarian	17725 15370 9625
1700-1800	Bulgarian	15370 11915 9625
1600-2000	Romanian	9725 7165 6115
1700-1800	Serbo-Croat	11770 9695 7115
1800-1900	Lithuanian	9710-Lithuania
1900-2000	Latvian	9505 7255 5955
2000-2100	Bulgarian	11915 9565 7295
2100-2200	Lithuanian	7255 6115 5970
2100-2200	Serbo-Croat	9680 7165 5955
2200-2300	Estonian	7255 7155 5970

(BBCM)

The Slovak government is accusing *RFE* of "negativity" in its on-air treatment of the Slovak state. The Slovak Broadcast Council said that unless steps were taken to address what the Broadcasting Council regarded as *RFE's* shortcomings, the station could lose its license. (BBCM)


VENEZUELA *Radio Frontera*-San Antonio, 4761, noted reactivated around 1500 on Jan. 15th with live coverage from the Centro Civico. (H. Klemetz, Dateline Bogota, 01-15-96)

ZAMBIA It seems that 6165 is the only *ZNBC* shortwave outlet still on the air, and even that is

very irregular. We believe that the other outlets (4911, 6060, 7220, 7235) are off the air to allow the *ZNBC* to install their new Chinese transmitters. (Greenway/BBCM 13 Feb)

UNIDENTIFIED

- 3208.8 OK carrier, vy lo mod w/traces of mx. (18-Feb/ed.)
- 3877.85 @0833 mx, some talk, way down there; is this a PNG? (15-Feb/ed.)
- 4593.6 Latin American, very weak from 0920-0953+. (14-Feb/ed.)
- 5965 from 0545 w/2x rooster crowing, M ancr in accented EE hosting pgm of mx (U.S. pops/oldies) and ads, possible rx 0601-0606, back into mx. QRM de Norway from *0559, but still audible @0625 recheck. Listened to the tape several times, but no ID noted. SABC not sked this period, maybe R. Plateau back on local mornings? (14-Feb/ed.)
- 9727.75 @1217, some mx here, vy low modulation, Vietnam to Asia? (18-Feb./ed.)

I hate to end things on a sad note, but I just heard from Jeff White that my DX buddy George Neff recently passed away at home in Florida. He was an enthusiastic, friendly and personable member of the hobby, and will be missed. 

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Pirate Radio Report

Chris Lobdell

P.O. Box 146
Stoneham, MA 02180-0146
CompuServe: 75720.253
Internet: piradio@usa1.com

This month we will conclude our mini-reviews of publications geared toward the pirate DXer. Our spotlight is on Europe this time.

There have been a number of European pirate DX publications over the years. The English publication *Pirate Chat* has ceased publication for over two years now. A newsletter put out by Free Radio Service Holland called *FRS Goes DX* can't really be considered a true publication. *SRS* news in Sweden is an email weekly listing of pirate loggings, made the prior weekend in Europe, but contains little else. That leads us to the only true club like bulletin from Sweden called *PIRATE CONNECTION* magazine. This publication, which is actually an evolution of Stefan Printz's "Complete Pirate List" that he published several years ago. *PC* magazine is published about 5 times a year and contains info on Europirate logs, QSLs, station profiles and busts. There's even a column on North American pirate activity edited by yours truly. The latest edition, issue #13 contains Mary Jo Ondrechen's "Black Book" of pirate addresses as well. If you'd like a copy, send \$5.00 US to Stefan Printz. His new address is as follows: Tegelgardsgatan 14, 212 13 Malmo, Sweden. You can also reach him by internet email at: spz@exallon.se.

Station Profile: WLIS

Recently we received this nice profile from WLIS-WE LOVE INTERVAL SIGNALS from their verification signer, Charles Poltz:

"WLIS started out nearly 6 years ago as a joke. Why not play interval signals as if they were hit songs since everybody else was playing music like AM or FM stations? The format proved to be a lot more popular than we ever expected, so we kept on churning out more programs. Over the years, listeners such as Ed Rausch have sent us their IS

recordings to supplement our collection. Although we can argue that the format is educational, we also like to have fun too. In 1993 and 1994 we recorded several (tongue-in-cheek) "salutes" to various DXers. In 1995 a "Top 10 Interval Signals Of All Times" series aired along with a *Pirate IS* series. We've also had features on the different college bowls that air at the end of the year, such as the Sugar Bowl, Cotton Bowl, Rose Bowl, etc. These programs blend the interval signals along with historical information about the bowl itself. Besides the interval signals, we also throw in music of various types, just to keep our listeners awake. In 1996, we're giving our listeners the chance to vote for their favorite interval signal of all time. WLIS' other claim to fame is our series of QSLs which at last count contained over 60 designs. Each correct report will be QSLed by a different QSL sheet. We try to keep track of which DXer has what QSL already. Besides QSLing reports sent to our maildrop (Box 109, Blue Ridge Summit, PA 17214), we verify logs in the ACE, *Pirate Pages*, *Fine Tuning* and *DX Ontario*. We have tried to be as QSL friendly as possible."

Charles failed to mention the great series of QSLs showing Ian McFarland's face! Many thanks to WLIS' Charles Poltz and Jack Boggan for the great profile. Now, what about you other pirates out there?

If you're going to be at the Winterfest 96 in Kulpville, don't forget to bring along your SW/FM portable and tape recorder, because they'll be at least three stations on the air at various times. George Zeller and Andy Yoder will be having their "pirate year in review" tentatively scheduled for Friday afternoon. Hope to see you there!

Happy Pirate Hunting!

Chris



English Schedules

Tom Sundstrom

PO Box 2275

Vincentown, NJ 08088-2275

Fax 609-859-3226

Internet: tom.sundstrom@pics.com

Prepared February 21.

Thanks to Chris Hambly (Australia), Dave Kenny (BBCM WBI), Adam Lock (WWCR), Joe Hanlon (PA), Jonathan Marks (R Netherlands), and Andy Sennitt (WRTH).

The Four Winds is a new newsletter published by NASWA member **Giovanni Serra**. It focuses on SWBC loggings, initially with a European slant and it is interesting to see what's being heard a few thousand km to the east. Write him at *via Francesco Belloni 50, 00147 Roma, Italy*, for subscription details or (better yet) come meet Giovanni at the Winter SWL Festival in a few weeks!

Cuba: Last month we reported that the wNAM service was to be retimed to 0530-0730. Thanks to Dave Kenny's question on this, a reality check shows that words and actions did not match. In fact, at the end of January (after the February Journal went to press) Kenny found and I confirmed the following: 0500-0700 on 9505 and 9830U. And Hambly reports that 9550 now clears up in Australia by 2130.

Croatia: Croatian Radio's news in English is scheduled for 10 minutes on the hour from 23 to 05 UT on 7370 and 5895. Also 0703-0710 M-F, 0803-0810 Sa-Su and 0903-0910 on 13830, 9830,

7370 and 5920; and 2203-2210 on 7370 and 5895. The first group is via the SW service; the second via Studio Zagreb 1st Program. (BBCM WBI).

Nepal: R Nepal schedules 10 minutes of news in English at 0215 and 1415 on 7165 (summer), 5005 and 3230 (winter). (BBCM WBI).

Sierra Leone: The news in English on SLBS is scheduled at 07, 08, 20 and 22 UT on 3316. (BBCM WBI)

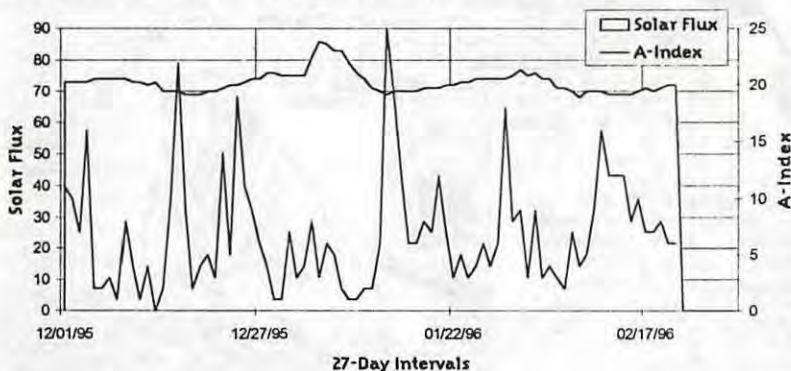
Uganda: R Uganda has been testing on 3340 as an alternative to 4976, as late as 06 UT. (BBCM WBI)

USA: WWCR's fourth transmitter came on line February 19. The rhombic antenna is beamed at 90 degrees. Until the summer season starts later this month: 18-22 9400, 22-06 7435.

Computer News. Updating our Internet article in the 1996 WRTH, new Web sites include Polskie Radio, KTWR Guam and an update to R New Zealand Intl. Check out our "hot links" page on our site below. Listeners to the ANARC SWL Net now have the option of joining us on the Internet Relay Chat channel #swl; by the way, on most Sundays (to pick up close-in stations) we have moved to 3940 kHz after closing the 40m net. See you all in Kulpsville later this month.

SOLAR FLUX & A-INDEX: Dec '95-Feb '96

TRS Consultants
<http://www.pics.com/trs/>



<http://www.pics.com/trs/>



QSL Report

Sam Barlo
47 Prospect Place
Bristol, CT 06010



RADIO VATICANA

Greetings: Hope everyone is having a great time at the Winter SWL Fest in PA.

ABU DHABI: Capital Radio 9770 p/d ltr. w/ schedule in 104 ds. v/s Ms. Aida Hanza, Director of Foreign Language Services. (Stephens)
ALASKA: KNLS 7365 f/d "Globe" cd. in 1 mo. Only 200 cds. made. (Field-IL)
ALBANIA: Trans World Radio MI). 7155 f/d "Tower" cd. w/ schedule in 5 wks. (Barto-CT).
ANTIGUA: BBC 5975 f/d ltr. in 120 ds. (Horan-IL).

ARMENIA: Lutherische Stunde 15270 f/d cd. in 6 wks. (Barto). Voice of Russia 13670 via Yerevan p/d "Moscow River" cd. in 61 ds. for 2 IRCs (Brown-OK). Radio Intercontinental 15270 via Yerevan f/d yellow cd. in 9 wks. (Barto-CT).

ASIATIC RUSSIA: Radio France International 12025 via Irkutsk f/d cd. in 3 mo. v/ schedule. (Field-MI). Voice of Russia 7175 and 13640 via Khabarovsk f/d "Arbat Square" cd. in 45 ds. (Brown-OK).

5920 via Komsomolsk-on-Amur p/d "Pushkin Monument" cd. in 43 ds. for 2 IRCs. (Brown-OK). 5905 and 5930 via Petropavlovsk-Kamchatsky p/d "Kremlin and Friendship Fountain" cd. in 53 ds. for 2 IRCs. (Brown-OK).

BELGIUM: Radio Vlaanderen 9925 f/d cd. in 50 ds. (Ashimori-JPN).

BOLIVIA: Radio Tropico CP120 4549.4 f/d prepared cd. w/ postcard in 35 ds. for a SP rpt. and SASE(used). v/s Eduardo Avila Alberdi, Director. (Palmerheim-WA).

BRASIL: Radio Londrina 4815 p/d note in tourist brochure in 6 wks. for a PT rpt. v/s Walter Roberto Manganoti, Gerente Comercial. (Barto). Radiodifusora de Aquidauana 4795 f/d cd. w/ postcards, ltr., station info., tourist brochure and used stamps in 53 ds. for a PT rpt. (Klinck-NY). Radio Guaiba 11785 p/d cd. w/ form ltr. in 24 ds. for a PT rpt, tape and ms. (Klinck). Radiodifusora Roraima 4870 p/d ltr. in 82 ds. for a PT rpt. and \$1.00. v/s Francisco Geraldo Franca, Director Geral. (Stephens-AL).

BULGARIA: Radio Sofia 7480 f/d cd. in 51 ds. (Levison-PA). Radio Bulgaria 9700 f/d "nessebar" cd. in 155 ds. (Lemke-

ALB). 9700 via Plovdiv f/d cd. w/ site in 35 ds. after a f/up rpt. (Rigas-IL).

CANADA: CFRX 6070 f/d cd. in 25 ds. v/s Stephen Canney, ODXA. (Humenyk). Radio Japan 11705 via Sackville f/d "Osechi" cd. in 1 mo. w/ sked. & newsltr. (Barto). CHU 7335 f/d cd. w/ brochure in 17 ds. (Horan-IL).



W^{Case}
K^{...} Q^{...}
N^{...} S^{...}
D^{...} L^{...}
Verification of 185
TO: DELOS PASSAGE
TIME: 0956 WGS 100
DATE: 21-1-75
TIME: 22-2-2007
A. B. B. B.

Radio Canada International 5905, 6010, 9535, 9755 and 5925 f/d cds. in @ 15 ds. w/ CIDX/ANARC data and stickers. (Humenyk-ONT). 5925 via **Sackville** f/d "50th Anniversary" cd. w/ schedule and stickers in 11 ds. for 2 IRCs and \$1.00. v/s Bill Westenhaven. (Jones-SD). **Radio Korea International** 9650 f/d "Taekundo" cd. in 17 ds. (Brown-IL).

DLR
106FM + 6.220KHZ
LOCAL SHORT WAVE

via D'Angelo

CHINA, PEOPLES REP. OF: China Radio International 9480 via **Xian** f/d ltr. in 55 ds. (Humenyk). **Xinqiang PBS** 7385 via **Urumqi** f/d cd. w/ site and schedule in 109 ds. via **CRI** (Flynn-OR).

COLOMBIA: Ecos del Combeima 4785 p/d ltr. w/ sticker in 169 ds. for a SP rpt. and \$1.00. v/s German Acosta. Locutor Periodista. (Stephens-AL). **Radiodifusora Nacional de Colombia** 4955 p/d cd. in 152 ds. for a SP rpt. and 1 IRC. (Brown-IL).

COSTA RICA: Adventist World Radio 9725 and 5030 f/d "Volcano" cd. in 1 mo. w/ calendar and schedule. (Field-MI). **Radio For Peace International** 7385 f/d cd. w/ schedule in 21 ds. for \$1.00. v/s James Latham, Station Manager. **Radio Exterior de Espana** 11815 via **Cariari** f/d * cd. in 35 ds. (Rigas-IL). **TIUCR Radio Universi-**



NOTES: Steve Martin hopes everyone had a fine holiday season.

Steve commented about the Musing Column and the idea of switching from print to the electronic media. I guess that's fine for data; however, I would miss the personal touch that we as editors put into the Column. In

my case the illustrations may suffer... Sam. **Mike Horan** uses a DX-390 and a newly installed 70 foot random wire. Mike wants to know if anyone has received a QSL from WGTG? I don't think so... at least none have been reported. Mike also makes a point that some of the contributors to the QSL Column should make an effort to list the relay site as the Country and not the Country from which the programming originated. I agree.

via Chris Rigas



QSL
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TELEVISIE (SRT)

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100 KW ONU 1
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B-1000 BRUSSELS - BELGIUM

transmitter location
JUELICH, 104 Rur

dad de Costa Rica 6105 f/d "Logo/Map" cd. in 25 ds. for a taped rpt., \$1.00 &

a f/up rpt. v/s Marco Gonzales. (Palmerheim-WA). **CZECH REP: Radio Prague** 13580 f/d "St. Nicholas Cathedral" cd. w/ schedule in 5 wks. (Harto-CT).

ECUADOR: HCJB 9745 f/d "Shrimp Cerviche" cd. in 51 ds. for ms. (Brown). f/d "Fruit Juice" cd. in 31 ds. for ms. (Brown). 15520 f/d cd. w/ schedule in 6 wks. (Barto). 9415 f/d "Bread" cd. in 45 ds. for a JP rpt. and JP ms. (Ashimori-JPN)... Sure makes me hungry!

* **Radiodifusora La Voz de los Caras** 4795 f/d prepared cd. in 32 ds. for a SP rpt. and \$1.00. Personal ltr. was rcvd. v/s Ing. Marcelo Nevarez Faggioni, Director - Gerente. (D'Angelo-PA). **Radio Quito** 4920 p/d cd. in 24 ds. for a SP rpt. and \$1.00. Rcvd. several stickers. (McCarthy-GA).

p/d blue folder "Logo" cd. w/ 2 stickers in 25 ds. for a SP rpt. and \$1.00. v/s Xavier Almeida M., Gerente. (Stephens)

Radio Federacion

Shuar 4960 p/d ltr in 6 1/2 mo. for a SP rpt. and \$1.00. v/s Agr. Manuel J. Vinza Ch., Director. (Stephens-AL).

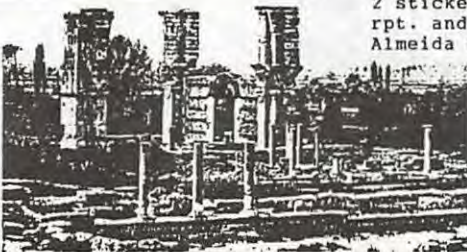
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11000 of the party television
ΕΛΛΗΝΙΚΗ ΠΑΡΑΒΟΛΙΚΗ ΤΗΛΕΟΡΑΣΗ
ΕΛΛΗΝΙΚΗ ΡΑΔΙΟΦΩΝΙΚΗ ΤΗΛΕΟΡΑΣΗ



Meteorological Department
4353 Sukumvit Road
BANGKOK 10260, Thailand

Telegram: Meteor Bangkok
Telex: 72004 DEPMETE TH

Ref. No:
Mr. Ed Rausch,
17 Vanderberg Place,
Cedar Grove New Jersey 07009-1039
USA

Bangkok.

Telephone: Bangkok 3984972-3
Telefax 3994597-8

Telecommunications Division,
Meteorological Department,
4353 Sukumvit Rd, Bangna,
Bangkok 10260,
THAILAND

3 March 1994

Dear sir,

It's my pleasure to received a letter and a cassette tape of the Bangkok Net radio from an American enthusiastic S.W.L. Reading your letter, I am sure that you must be very happy hobbyist in listening shortwave. Other hobbies you used to have : fishing, photography and reading are very interesting; they make people happy, calm and enlarge their world.

For Bangkok Net. Radio, we operate the broadcast 8 times aday in order to send the weather condition in the area of Gulf of Thailand and the neighbouring seas for fisheries and shipping. With this letter please find the verification card to confirm your reception.

Thank you for your trying to copy the broadcast and also the US 1 for the return postage. I wish you a very best wishes and happiness always.

- Finland** 11735 and 15400 n/d cd. w/ schedule in 5 wks.(Barto-CT).
FRENCH GUIANA: Swiss Radio International 9905 via **Montsinery** f/d "Genf-UNO" cd. in 1 mo.(Barto). 9770 f/d cd. w/ site in 20 ds.(Rigas-IL).
GABON: Radio Japan 11865 via **Moyabi** f/d "Late Autumn" cd. w/ newstr. in 2 mo.(Barto-CT). f/d "Autumn Scenery" cd. w/ calendar in 2 mo. v/s H. Kawamoto.(Barto-CT).
GERMANY: Deutsche Welle n/d "Globe/Satellite" cd.in 1 mo.(Humenyk-ONT).
GREECE: Voice of Greece 7450, 9375 and 9420 f/d "Mount Holly" cd. w/ post-cards and schedule in 2 mo.(Barto-CT).
GUAM: KSDA Adventist World Radio 9530 f/d "DX Contest 95" cd. in 58 ds. v/s Adrian M. Peterson, DX Editor.(Hosoya-JPN).

NOTES: Armand Frasco, a new member, sent along this beautiful sticker from the Museum of Broadcast Communications in Chicago, IL. It is celebrating its 75th anniversary. The brochure of the Museum is very interesting! Armand recently received a QSL from RRI Jakarta of which he is very proud! Congrats!...Sam. **Denis Pasquale** hopes everyone has a great new years DX season. Denis was surprised with his Radio Cairo and Radio Vilnius QSL.

- HAWAII: KWHR** 17780 f/d "Map/Logo" cd. in 215 ds. w/ schedule. v/s Loren Holycross.(Humenyk). 17510 f/d "Globe w/ Antenna" cd. in 4 mo. for ms.(Ondrechen-MA).
HOLLAND: Radio Nederland 7300 and 6015 via **Flevo** f/d "Antenna" cd. in 3 wks. w/ calendar & schedule.(Barto-CT).
HONDURAS: Radio HRET 4960 p/d cd. w/ ltr in 45 ds. for a SP rpt. and SASE (used). v/s Delmar Brown.(Flynn)
HUNGARY: Radio Budapest 3975 via **Jaszbereny** f/d cd. w/ site in 20 ds.(Rigas-IL).
INDIA: AIR Gorakhpur 3945 f/d "Nainital" cd. in 36 ds. direct from station. v/s Dr. S.M. Pradhan. (Palmerheim-WA). 4970 via **Shillong** n/d personal ltr. w/ f/d prepared cd. in 39 ds.v/s C. Lalrosanga, Director. (Sgrulletta-NY).



RADIO SLOVAKIA INTERNATIONAL

ENGLAND: VOA Hooffer-ton 6140 f/d cd. in 3 wks.(Barto).
ENGLAND (Pirate):

Free Radio Service Holland 7414 f/d "Studio" cd. in 5 mo. for \$3.00.v/s Peter V. Ltr. said this was a relay from England.(Ondrechen-MA).

EUROPEAN RUSSIA: Radio Nederland 4945 via **Krasnodar** f/d cd. in 7 wks. w/ post-cards and a calendar.(Barto-CT).
Voice of Russia 9890 and 12065 via **St. Petersburg** f/d cds. in @ 55 ds. for 2 IRCs.(Brown-FINLAND: Radio OK).



Australian Armed Forces Radio

Electronic Media Unit
Anzac Park West 1-B-07
REID ACT 2600

Fax: 61 6 266 6565 Telephone: 61 6 266 6669
via D'Angelo

Thankyou for your reception report of AAFR we are happy to verify it for you.

Date: 10TH DECEMBER

Time: 1609 TO 1648

Frequency: 10.848.5 kHz

Transmitter location: NORTH WEST CAPE

Although our programs are primarily aimed at our defence forces overseas, it is good to know that you are able to receive and enjoy them.

We hope you continue to tune in, although we advise that we are constantly varying our frequencies to suit ionospheric conditions.

NAVCOMSTA HMAS HARMAN BELCONNEN, AUSTRALIAN CAPITAL TERRITORY

0100Z / 1200 AESUMT 8153kHz
0410Z / 1310 AESUMT 11465kHz
0900Z / 2000 AESUMT 11525kHz

18735kHz (Standby)
19699kHz (Standby)

NAVCOMSTA HAROLD E. HOLT NORTH WEST CAPE, WESTERN AUSTRALIA

1600Z / 0100 AESUMT 10848.5kHz (Monday & Friday Only)

We take pleasure in enclosing a brochure on Australia.

Yours sincerely

ADAM HIFFLAND
PRESIDENT
27 JAN 94

Julia Jauregui Rengifo. Radio Mundo 5084 Valentin Olivera Puellas, Gerente. Radio San Miguel 4966 Mrs. Catalina Perez de Alencastre, Gerente General. Radio Imperial 6544 Jose Gabriel Corraza Ruiz, Gerente. Radio Thailand 11835 Mrs. Amporn Samsorn, Chief of the External Service. Turkish State Meteorological Service 6900 Mehmet Ormeci, Director General. Turkmen Radio 5015 A.A. Amanklichev, Deputy Chief of the Technical Department.....via PLAY DX.....Sam.

11810 via Kimie f/d cd. w/ newsltr., stickers and schedule in 67 ds.(Humenyk). 7550 f/d cd. in 1 mo. w/ brochures and schedule.(Hosoya-JPN).

KUWAIT: Radio Kuwait 11990 f/d folder cd. w/ schedule and stickers in 46 ds.(Horan-IL).

LEBANON: Voice of Orthodoxy 9960 via Voice of Hope f/d personal ltr. w/ schedule in 1 mo. v/s Valentin Korelsky, General Secretary.

LESSER SUNDAS: RRI Mataram 3223 (Field-MI) * f/d prepared cd. in 32 ds. for an IN rpt. Also rcvd. a personal ltr., postcards and several photos. v/s Drs. Hamid Djasman.

MALAGASY REP: Radio Nederland (Martin-CA). 9860 f/d cd. in 1 mo.(McCarthy-GA).

MALI: China Radio International 11715 via Bamako f/d cd. in 194 ds. w/ schedule.(Humenyk). f/d "Flower" cd. in 49 ds.(Levison-PA).

MOLDOVA: Voice of Russia 11750 via Kishinev f/d cd. in 70 ds.(Rigas-IL). 11945 f/d "Pushkin Monument" cd. in 36 ds. v/s Elena Frolovskaya.(Flynn-OR).

MOLDOVA (Pridnestrovye): Radio Dnie-



ECOS del TORBES

VVOC 4880 kHz
VVQB 700 kHz
VVTA 8190 kHz

IRAN: IRIB 9670 f/d cd. in 86 ds.(Lemke).
ISRAEL: Galei Zahal 8127 f/d "Microphone * reading the News" cd. in 25 ds. for \$1.
ITALY: RAI 9645 f/d cd. (Stephens). of "Antonio Fontanesi Painting" in 49 ds.(Brown-IL). 7290 and 9755 f/d cd. of "La Ragazza Di Campagne" cd. w/ schedule in 6 wks.(Barto-CT).
JAVA: RRI Surakarta 4931.7 f/d "Kusuna Sahid Prince Hotel" cd., signed and stamped in EG in 277 ds. for an IN rpt. v/s H. Tomo, BA. Head of Broadcasting Section. Card was stamped "Missent to Malaysia".(Martin-CA).
KOREA, DEMOCRATIC PEOPLES REP OF: Radio P्योंgyang 11335 f/d cd. w/ pennant and book in 62 ds.(Palmer-sheim-WA).
KOREA, REP. OF: Radio Korea International

VERIFICATION SIGNERS: RRI Mataram 3223 Hamid Djasman, Kepala Stasiun. Adventist World Radio - Fori 7230 Mrs. Lina Lega, QSL Secretary. ZLXA 3935 Rian Stoke, QSL Manager. La Voz de la Selva 4825 Mrs.



via Hosoya

RADIO SWEDEN 5-16510 Stockholm

NOTE: Don't forget to write your name and State or Country abbreviation after each contribution to the QSL Column.....Sam.

ster International 15290 via Tiraspol p/d cd. w/ personal ltr. and a f/d prepared cd. in 43 ds. after 2 f/up rpt. w/ ms. v/s Marina Yagovitina, Announcer.(Sgrulletta-NY).

QSL

Confirmação Oficial de Recepção
RÁDIO CANÇÃO NOVA



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

Temos o prazer de confirmar a informação de escuta do dia: 3 Março, 1.995 na frequência de 9.675 kHz, das 22.41 a 23.12 hs (UTC).
Potência do emissor: 10 kw.

Sinceros agradecimentos,

Benedictus L. Rodrigues
oficial

reception. v/s M.A. Mohammed. Pleased w/ this one! (Stephens-AL)

PERU: Radio Juanini 6260 4 page personal ltr. in 4 wks. after a f/up rpt. * in SP. This was after 4 yrs. of rpts. Addr: Jiron Cerro De Pasco #461,

VERIFICATION SIGNERS: **WPHN** 13695 Bernard Lockhart, Frequency Manager. **KALJ** 15725 Fred Bithel. **La Voz de Alpha 66** via **WRI** 9495 Diego A. Medina. Addr: 2760 SW 2nd Street, Miami, FL 33135 **Voice of Armenia** 15170 Levon Ananikian. **Radio Tupi** 15155 Montival Da Silva Santos. **Radio Cancao Nova** 9675 Miss Benedicta L. Rodrigues, Secretary. **Radio Brasil Central** 11815 Sergio Ruben Da Silva. **Rikisutvarpid** 11402 Dora Ingvaddottir, QSL Secretary. **RRI Yogyakarta** 7098 Kabit Penye-lenggaraan, Siaran Martono. **GPR-2 Relay** 5920 Mikhail Timofeyev...via PLAY DX...Sam.

VERIFICATION CARD

Dear MASAO KOSUYA

Thank you for your reception report of our broadcast.

Your information has been checked with our schedules and found to be correct. We hope you will continue to encourage us with your informative comments and views on our programmes.

Frequency: 9.675 KHz

UTC (GMT): 12:30 ~ 13:00

Date: 9.3.95

URB: "Aran Juez", Trujillo, Depto. "La Libertad", Peru. (Lobdell-MA). **Radio Nacional OAX4H** 6095 p/d ltr. in 51 ds. for a SP rpt. and \$1.00. v/s Henry Aragon Ibarra, Director. (Palmersheim-WA). **Radio Imagen** 4969.2 f/d prepared cd. w/ nice personal ltr., photo and tourist brochure in 54 ds. for a SP rpt., tape and ms. (Klinck-NY). **Radio Satellite** 6726 f/d cd. w/ personal ltr. in 6 mo. for a SP rpt. and \$1.00. v/s Sabino Llamas Chavez, Gerente. (Brown-OK). **Radio Luz y Sonido** 6473 f/d cd., signed and stamped in 87 ds. for a SP rpt. v/s Sor Maria Milagros Sdj, Representative de Estacion. (Martin-CA). **PHILIPPINES: VOA** 12040 f/d "Golden Gate" cd. in 1 mo. (Barto). 11965 f/d "Golden Gate" cd. in 3 wks. (Barto). **FEBC** 15450 f/d "Filipino Kalesa" cd. in 1 mo. v/s Jette Madsen. (Ashimori-JPN). **Radio Veritas Asia** 9520 f/d cd. in 7 mo. v/s Cleofe R. Labindao. (Ashimori). 6020 f/d cd. in 50 ds. w/ schedule. (Hosoya-JPN).

POLAND: Polish Radio 11815 f/d cd. in 48 ds. (Pasquale). **PORTUGAL: Radio Portugal Internacional** 9570 f/d cd. w/ XMAS cd., form ltr. and sticker in 24 ds. for \$1.00. (Clement-GA). **Radio Canada International** 7210 via **Sines** f/d "50th Anniversary" cd. in 6 ds. (Humenyk).

RIO MUNI: Radio East Africa 15190 cd. in 44 ds. for \$1.00. (McCarthy-GA).

ROMANIA: Radio Romania International 6155 and 11940 f/d "Costumes" cd in 110 ds. w/ schedule, calendar and a personal ltr. (Humenyk). 11940 & 5990 f/d cd. in 3 mo. w/ schedule. (Field-MI).

RUSSIA: Voice of Russia 6000 f/d "Kosmos Hotel" cd. in 25 ds. (Ashimori-JPN).

In Confirming your reception report of LUTHERISCHE STUNDE prog. broadcasted on 77.03.1945

over short wave.
45276 Kc.

station: Radio Intercontinental

from when I received
We appreciate further reports from you, as well as suggestion and criticism of our programs. With thanks for your interest, we remain

very sincerely yours

A. Hansen



Samuel Barte
47 Prospect Place

Bristol, CT 06610



**RADIO SLOVAKIA
INTERNATIONAL**

DEAR RADIO FRIEND

Thank you for your communication regarding
reception of our transmission

on 26 NOV 1985
at 19.29 - 19.43 UTC

We have checked your data with our log
and take pleasure in verifying our
programme heard on 60.55 MHz

GOOD LISTENING AND 73!



Mr. Samuel BARTO
47 Prospect Place
Bristol, CT 06010

U. S. A

SINGAPORE: RAY 11925 via BBC
f/d "Antiche Case di Torino"
cd. in 1 mo. w/ sked.
(Barto-CT).

SLOVAKIA: Radio Slovakia International 6055 and 5915 via
Rimavska Sobota f/d cd. in
6 wks. (Barto). 7345 via Vel-
ke Kostolany f/d "Studio"
cd. in 6 wks. (Barto-CT).
Radio Prague 5930 via Rim-
avska Sobota f/d cd. in 101
ds. (Humenyk).

SOUTH AFRICA: Radio Tanzania
7290 f/d "Antenna" cd. w/
schedule in 41 ds. (D'Angelo)
Channel Africa 9545 f/d cd.
in 60 ds. (Ashimori-JPN).

15240 f/d cd. w/ schedule and sticker in 27 ds. (Horan-IL), same in 27 ds. w/ stickers and newsltr. (Pasquale-PA). 5955 and 9585 f/d cd. in 1 mo. w/ schedule. (Field-MI). Radio Tanzania 7290 and 15435 via Meyerton f/d cd. in 1 mo. w/ sked.

SPAIN: China Radio International 9690 (Field-MI).
via Noblejas f/d "Mountain" cd. w/ stickers and
schedule in 167 ds. (Horan-IL).

SRI LANKA: Radio Japan 11895 via Ekala f/d "Osechi"
cd. in 1 mo. w/ schedule and newsltr. (Barto-CT)

SUMATERA: RII Palembang 4855.9 f/d prepared cd.
in 7 mo. for ms. v/s Drs. H. Mursjid Noor.

WVHA with its curtain antennas.

WVHA

World Voice of Historic Advertisment
Greenbush, Maine, U.S.A.

QSL Verification Card

11-6-85 1200 13770 kHz
DATE UTC TIME FREQUENCY

Jesus is Coming Soon!

This signed card confirms your reception report

David Egan
WVHA Staff Signature

WVHA - PO Box 1844
Mt. Dora, Florida 32757 U.S.A.

NOTES: Terry Jones checks in with a few QSLs to the Column with many more still outstanding. He recently moved and tried the old bow-and-arrow trick over the tree branch. It really works! I've used it. HI! I actually used a can of soup once but it splattered after it hit the ground. My mother wasn't too happy. I thought it was funny. Thanks for the postcard... Sam. Mary Ondrechen

sent us a lot of USA
pirate QSLs. She has
noticed a great deal of noise in the tropical
hands. We all have... Sam. Jerry Klinck will be

out of work for a month due to an operation. Get well! Jerry says he received a thinly veiled offer from Adith Chumbe (v/s) to fix him up with his sister should he visit the station. If she is warm and breathing and has more than one tooth go for it!

Richard Lemke says he got a little QSL hungry after purchasing a new NRD-535 receiver. Keep the reports flowing in... Sam.

Very pleased w/ this QSL. (Martin-CA).

SWEDEN: Radio Sweden 7115 f/d "Faro Gotland" cd. in
13 ds. (Brown-IL) f/d "Vendel Helmet" cd. in 1 mo.

SWITZERLAND: Swiss Radio International (Barto).

9885 f/d "Fribourg Town
Hall" cd. in 24 ds. (Lem-
ke). 6135 f/d cd. in 1
mo. (Barto-CT). 7410 f/d
"Aldorf Monument" cd. in
1 mo. (Barto-CT).

TAIWAN: Voice of Free China

15345 f/d "Flower and
Bee" cd. in 25 ds. v/s
Mahlon Meyer. (Ashimori).

TURKEY: Turkish State Meteorological Service 6900

f/d ltr. in 60 ds. for
\$1.00. for ms. also rcvd.
books. (McCarthy-GA).

RB

REDE BANDEIRANTES DE RADIO

São Paulo, 30 de Novembro de 1985

11mo. Sr.
JERRY KLINCK
43 Lein Road
West Seneca, N.Y. 14224

Prezado Senhor:

Com muita satisfação recebemos a sua carta de 03/10/85, com os de
tales da recepção do Rádio Bandeirantes em West Seneca, N.Y.
Registramos todas as informações que o amigo nos forneceu, pois
trata-se de dados importantes para a nossa emissora.

Para sua melhor confirmação, relacionamos abaixo as nossas fre-
quências:

Freq	Power	Type	Transmitter
840 kHz	100 kw	MW	Harris Broadcast Co. (USA)
6.090,0 kHz	10 kw	SW	Indelsus Ind. Bras. Eletr. (Brasil)
9.645,0 kHz	7,5 kw	SW	Indelsus Ind. Bras. Eletr. (Brasil)
11.925,0 kHz	10 kw	SW	Indelsus Ind. Bras. Eletr. (Brasil)
96.1 MHz	50 kw ERP	FM	Harris Broadcast Co. (USA)

Atenciosamente,
RADIO BANDEIRANTES

Calomão Esper
DIRETOR



RADIO GULF

VOICE OF THE SEAGULL (KANAGE GADONA)

KEREMA

Phone 48 103658 1010

Fax 4810003 Telex

PO Box 36

Dear Mr. good Night Listener,

It is our pleasure of receiving from you. We received your reception report of 29th December, 1993 on 27th January, 1994.

Firstly Radio Gulf is one of the nineteen (19) Provincial Radio Stations operated by the National Broadcasting Commission (NBC) of Papua New Guinea. It is a Statutory body, owned by the Government of Papua New Guinea.

Radio Gulf is located at the Provincial Capital of Kerema Town and it is in the South West of Papua New Guinea's main Capital City of Port Moresby.

The station was established in Japery 1964 with a 2 kilowatts transmitters before Papua New Guinea became its Independence in 1975.

In 1996, the Japanese Government funded 10 kilowatts which from their own country, commissioned on August, 1996.

We broadcast quite a variety of programmes: News, Extension talks, music (both Modern and Traditional), one of our interesting programme is "SERVICE MESSAGES" or "Announcements" receiving from our listeners and broadcasting to their relatives and friends, free of charge. They can be about anything, Deaths in the family, pick-ups at airstrips or advising people in the remote areas of the province to receive visitors whether they be from government officials or religious representatives.

USA: WHRI 6040 and 9495 f/d "Logo" cd. in 165 ds. w/ schedule. v/s Loren Holycross. (Humenyk). **WVHA** 9930 f/d cd. in 1 mo. (D'Angelo-PA). **WJDM** 1660 f/d ltr. in 20 ds. (McCarthy-GA) **KVOH** 9975 f/d cd. in 28 ds. w/ station history. (McCarthy). **WRNO** 15420 p/d "New Orleans Jazz Club" cd. in 57 ds. for ms. (Lenke-ALB). **WJCR** 7490 f/d cd. in 1 mo. for \$1.00. (McCarthy) **VOA Greenville** 6130 f/d cd w/ newsltr. in 24 ds. for SASE (returned) (Jones-SD). **WYPR** f/d cd. w/ schedule in 17 ds. (Clement-GA). **Radio Telefis Eireann** 12160 via **WWCR** f/d cd. in 3 wks. (Field-MI). same in 23 ds. for \$1.00. Also rcvd. sticker & ltr. v/s Bernie Pope. (Palmerheim-WA). p/d cd. direct from Ireland. (McCarthy-GA).

USA (Pirates): Key West Radio 6955 f/d red cd. in 4 mo. (Lobdell-MA). **KOLD** 6955 f/d "Logo" cd. w/ p/d ltr. in 22 ds. (Stephens-AL). f/d "Musical Notes" cd. #63 in 1 mo. for an ACE logging. (Ondrechen-MA). f/d blue "Guy Lombardo" sheet in 29 ds. for \$1.00. for a New Years Eve reception. (Corey-IN). same in 1 mo. Use the Stoneham, MA drop. (Lobdell). f/d cd. in 3 wks. (Wolfish-ONT). **VOX America** 6956 sent to the address in Monitoring Times; however, USPO sent it back as "not known". (Field-MI). **Voice of The Last Days** 7417 f/d "Logo" cd. w/ religious info. in 6 mo. after 2 f/up rpt. v/s Dick Tator. (Stephens). **WREC** 6955 f/d "World Map" cd. in 5 wks. for \$1.00. and a rpt. to Wellsville drop. (Ondrechen-MA). f/d "Cartoon Sheet" in 60 ds. for a log in ACE. (Stephens-AL). **WLIS** 6955 4 f/d sheets in 2 mo. (Ondrechen). f/d "Ian meets the Simpsons" sheet in 58 ds. for 3 ms. Note about Andy Yoder's book. (Pasquale-PA).

INTERNACIONAL
 HRGO / HONDURAS
 Confirma a través de esta OZ que MR. JERRY KLINCK de WEST SENECA, NY, U.S.A.
 efectivamente ha recibido nuestra señal en la frecuencia 4.930 kHz en banda de 60 MHz.
 Agradecemos su interés en la salud de su programa.
INTERNACIONAL Su Radio
 Victor Antonio (Titi) Heraldo Director General
 San Pedro Sula, 15 de SEPTIEMBRE de 1994
 RUINAS DE COPAN COPAN RUINAS 10:53-11:23P.M. LOCAL
 FOTOS JUAN BENEDEK

VERIFICATION SIGNERS: Radio Sana'a 9780 Ahmed Abdulla Fadaq, Director of Foreign Programming. **Radio Pop-ular** 4810 (Venezuela) Angel Ortega, Director. **KJES** 15385 Michael Rentli. **Radio Mundial** 5050 (Venezuela)

Carlos Leazama, Readactor de Noticias. **Radio Rumbos** 9660 Jaime L. Ferguson, Tecnico Departamento. **Radio Tachira** 4830 Mrs. Albertina, Secretary. **Radio Nacional de Venezuela** 9555 Ing. Dionisio Atencio.....via PLAY DX.....Sam.

NAPRS 6955 2 f/d "Map/Antenna" cd. w/ T-shirt in 10 ds. (Stephens-AL). **Radio Azteca** f/d cd. #200 w/ pennant in 3 wks. for \$1.00. and a rpt. to Wellsville. Also rcvd. graphic art goodies. (Ondrechen-MA). f/d cd. #207 in 3 wks. for \$1.00. (Ondrechen). 3 f/d cds. in 3 wks. (Wolfish). **WLBG** 7414 f/d "Monitoring Times" sheet in 2 yrs. (Stephens). **Mystery Radio** 7415 and 6955 f/d cd. in 1 mo. for a rpt. to Stoneham. 6955 f/d QSL #9 in 37 ds. (D'Angelo-PA). 7415 f/d "Pyramid" cd. w/ studio tape in 6 wks. (Wolfish-ONT)



via Schwartz

Bayerischer Rundfunk

John L. Scullotta
337 Bullet Hole Road
Mahapac, NY 10541-2605

November 24, 1995.

Dear Mr. John :

Your letter and a recording cassette in which you have recorded from the National Radio in Vientiane have already reached me last week. After listening and verifying that cassette, I would like to confirm you that the 7 bells, local music and the voice of a male announcer at the beginning are from the National Radio in Vientiane - Laos. But unfortunately after that, I cannot confirm the date, time, KHZ, power of watts and the continuing broadcast because the sound is very low and very hard to hear.

Please find herewith QSL Verification Card and Thank you for your interest in following and trying to listen to the National Radio of Laos.

Sincerely,

Seng Soukhathivong,
First Secretary

Did you think we were done because we turned the page? You gotta be kidding! WJPK 6955 p/d sheet for a PP log (Ondrechen-MA). p/d "Tombstone" sheet in 2 mo. for a PP log. (Lobdell-MA). p/d "Broadcasting throughout Eternity" paper cd. for an ACE logging. (Wolfish-ONT). Radio Free Oz 7385 p/d sheet in 16 mo. for an ACE log.v/s Lance Ito. (Stephens). WPN World Party Network 6955 f/d "Globe/Pirate Flag" First Day QSL in 23 ds. v/s Captain Squirtlong. (Stephens). RFM 6955 f/d yellow cd. in 1 mo. for a Wellsville rpt. (Wolfish). Starshine Radio 6957.2 via UATWR f/d "Garfield" cd. in 7 wks. w/ personal ltr. and station history. (Barto-CT)....I actually got one!!! Radio Free Speech 6955 f/d "Freedom Special Edition" sheet in 3 wk for \$1.00 sent to Wellsville drop. v/s Bill O. Rights. (Ondrechen-MA). f/d sheet w/ flag sticker in 32 ds. w/ newstr. info sheets and funny inserts. (Stephens-AL). KTLA 6955 f/d "Halloween" sheet in 28 ds. (Wolfish). KXXX 6955 f/d cd. in 6 wks. for a log



RADIO VATICANA

VERIFICATION SIGNERS: Radio Omdurman 9200 Mohd. E. Khalib, Engineer Technical Affairs Administration. Radio Apintie 4991 E. Vervuurt, Director. Radio Tadzhikistan 7245 Mrs. Raisamuhtan Dinova Vuncha, English Service. Bangkok Meteorological Radio 8208 Suparek Tansrirattanawong, Director. also Maneeroong Triya Sunant. Radio Thailand 11835 Mrs. Amorn Samosorn, Chief of the External Service. Turkish State Meteorological Service 6900 Mehmet Ormeci, Director General. Turkmen Radio 5015 A.A. Amanklichev, Deputy Chief of the Technical Department....via PLAY DX...Sam.

in ACE. v/s Major Spook. (Wolfish). Altered States Radio 6955 f/d "Topless Chicks with Guns" sheet in 8 ds. (Stephens). Up Against the Wall Radio 6955 f/d cd. in 3 wks. for \$1.00. (Ondrechen-MA)

UZBEKISTAN: Radio Tashkent 9715 and 15295 f/d cd. in 120 ds. w/ pin and sked. (HumenyK-ONT).

VATICAN: Radio Vatican 11625, 11635 and 9660 f/d cd. in 2 mo. (Barto). 7305 f/d "St. Peters Square" cd. in 123 ds. (Brown-IL).

VANUATU: Vanuatu Broadcasting and TV Corporation 3945 f/d cd. w/ personal ltr. v/s Allan Kalfabun, Sales and Marketing Consultant. in 1 mo. (Barto-CT).

WEST IRIAN: RRI Jayapura 6069.8 p/d prepared cd. in 271 ds. after a f/up rpt. for ms. v/s Drs. D.A. Siahainenia. (Martin-CA).

YUGOSLAVIA: Radio Yugoslavia 7115 f/d cd. w/ sticker and personal ltr. in 5 wks. v/s Nikola Ivanovic, Director. (Barto-CT).

ZAMBIA: Christian Voice 4965 p/d form ltr. in 44 ds. for 2 IRCs. (D'Angelo)

ZIMBABWE: ZBC Radio 3 3396 p/d "Map" cd in 25 wks. for \$1.00. v/s Charles Warikandwa. (Ondrechen). ZBC Radio 2 4828 f/d cd. in 1 1/2 mo. (Barto). 3306 f/d "Map" cd. in 12 ds. (HumenyK).

I have many more USA Pirate QSLs but we'll get to them next month....73's

RECEPTION REPORT CONFIRMATION

Gabriel Ivan Barrera
Casilla 8888
1068 - Dromeo Ativo
Argentina

Dear Mr. Barrera:

Thank You very much for your reception report about one of our transmissions on shortwave.
Your report had been checked and found to be correct according to our station log book. You really listened to a programme from TURKMEN RADIO from Ashgabat, the capital of Turkmenistan. We are broadcasting our home service on 8015 kHz.
We, here with, verify Your observation made at June 10th 1994 on 8015 kHz from 20.14 to 20.40 UTC, which is local time of Turkmenistan from 01.14 to 01.40 hours on June 11th 1994.

Thank You very much for Your reception report. Do keep in touch by listening TURKMEN RADIO from Turkmenistan.

Your sincerely

Deputy chief of the Technical Department
- A.A. Amanklichev -

Scoreboard

Jerry Lineback
220 West Third
Garnett, KS 66032

Greetings once again DX SCOREBOARD fans and welcome. The SCOREBOARD is your opportunity to share your DX progress with the membership. Your continued participation is required to insure that the SCOREBOARD will continue to appear in the JOURNAL. Please remember that you must send me an update at least once a year to remain listed on the SCOREBOARD. When updating, please update all totals. Country counts are per the famous NASWA Radio Country List available from headquarters. Remember C/H = Countries Heard and C/V = Countries Verified. The SPOTLIGHT this month is on OCEANA.

Name, State	Totals		Oceana		Best Oceania QSL
	C/H	C/V	C/H	C/V	
Marlin Field, MI	237	236	22	22	R. Kerema 3245
William Flynn, OR	236	221	21	21	VQ02 Solomon Is
Jerry Berg, MA	235	233	21	21	Fiji
Dan Henderson, MD	234	225	21	20	Cook Is.
Ed Shaw, KY	230	214	20	18	Fiji
John Sgrulletta, NY	227	227	20	20	Cook Is.
Steven Lare, MI	227	205	21	21	Marshall Is.
Nobuaki Takahashi, Japan	226	201			
Terry Palmersheim, WA	224	213	21	21	A3Z Tonga
Richard A. D'Angelo, PA	220	213	21	21	
Al Miller, Jr., OH	220	212	21	21	Fiji
Rick Krzemien, CA	215	209	20	19	Tonga/Marshall
Sheryl Paszkiewicz, WI	215	208	20	20	Kiribati
Richard Davis, NM	215	206	20	20	Kiribati
Ron Howard, CA	215	200	21	20	Tonga
Paul Buer, FL	214	203	19	19	R. Cook Is.
Christos Rigas, IL	212	193	20	19	Cook Is.
Fred Kohlbrenner, PA	212	189	19	19	R. Cook Is.
Jerry Klinck, NY	212	189	19	18	Fiji 3284
Mike Hardester, NC	211	198	21	19	Fiji 3230
Jerry Lineback, KS	206	108	18	8	SIBS
Charlie Washburn, ME	202	158	15	9	Solomon Is. BC
Stephen Price, PA	186	159	12	11	R. Kiribati
Nick Grace C., DC	186	123	16	13	R. Vanuatu
John C. Eckert, PA	179	162	15	14	Cook Is.
Allan Loudell, DE	179	146	15	13	RRI Serui
Daniel McCarthy, GA	178	154	11	11	Cook Is.
John MacDonald, WA	178	76			
Bill Bergadano, NJ	176	110	11	8	R.E.N. Britain
Ross Comeau, MA	173	137	15	12	Kiribati
Andy Rugg, Que.	170	154	7	7	ABC Perth
Richard Hankison, KS	164	141	15	14	Radio Kiribati
Scott Helm, KS	163	115	10	8	NBC Pt. Moresby
Gary Froemming, AZ	162	43	11	5	VNG
Mark Humenyk, Ont.	160	125	12	7	R. Australia
Carl Radtke, WA	153	153	10	10	Cook Is. 500W
Elliot Straus, NJ	152	88	8	6	VLT4 4890 P/NG
Wally Peters, MN	142	114	9	8	Hawaii
John S. Brown, OK	121	111	10	8	SIBC

Thanks to all who contributed to the SCOREBOARD this quarter. Sorry about the short notice. Snail Mail prevented the SCOREBOARD from reaching HQ on time for the Dec95 issue. Next deadline will be May 15, 1996, for the June issue. SPOTLIGHT then will be on South America. 73

Contributors' Page

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LOGGINGS CONTRIBUTORS-NEXT DEADLINE IS THE 10TH OF THE MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA
Jerry BERG, Lexington, MA
Juliana BICKUS, Herndon, VA
Art BLAIR, Orangevale, CA
Ralph BRANDI, Middletown, NJ
Erik BUENEMAN, Hazelwood, MO
Jim CLAR, Rochester, NY
Bruce CONTI, Nashua, NH
Peter COSTELLO, Matawan, NJ
Rich A. D'ANGELO, Wyomissing, PA
Ralph FAMULARO, Osaka, JAPAN
Bill FLYNN, Cave Junction, OR
Bob FRASER, Cohasset, MA
Richard HANKISON, Prairie Village, KS
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Bob HILL, Natick, MA
Ron HOWARD, Carmel, CA
Mark HUMENYK, Weston, ONTARIO
Hans JOHNSON, Englewood, CO
Jack JONES, Jackson, MS
Terry JONES, Plankinton, SD
Marv KAMINSKY, Flanders, NJ
Jerry KLINCK, West Seneca, NY
Marie LAMB, Brewertown, NY
Richard LEMKE, St. Albert, ALBERTA
Harold LEVISON, Philadelphia, PA
Daniel McCARTHY, Calhoun, GA
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Chuck RIPPEL, Cornland, VA
Betsy ROBINSON, Clinton, TN
Allan ROSEWARNE, Rolling Meadows, IL
Mike RYAN, Bangkok, THAILAND
Giovanni SERRA, Rome, Italy
Trevor STANLEY, Flagstaff, AZ
Wallace TREIBEL, Seattle, WA

NRD-535D 100' LW
R8 R390A HQ180A 150' LW
R8 Eavesdropper
NRD-515 LW
R8 70' LW Kiwa Loop
ATS-803A homebrew antenna
R8 FRG-8800 Eavesdropper dipole
Lowe Europa 30m slopers 30m LW
AR3030 DX-390 70' LW
R8 HF150 AD Sloper 100' LW
ICF-SW55 ATS-803A R5000 LW
R8 SW55 DX Ultra 20' LW
Sony ICF-2003 ICF-SW100S
R5000 Eavesdropper
R8
Sony 2010 w/ KIWA filters, Sony AN-1
NRD-535D vertical Dynak
Magnavox D-2935 Sony AN-60 Tune 3
R8 2-500' LW's

AOR-3030 DX-390 70' LW
NRD-535D random wire
2R8's HQ-180AX 60 and 90m dipoles LW's
HF150 DX392 MFJ16010 60m LW Loop
NRD-535 LW's
R8 R70 YB400

DX-380
Sony ICF-2010 200/300' LW's
R390A NRD-525D FL-3 ARA60
WJ-1000 R8 60'Sloper 20' loop
R8 NRD-525 60' LW Eavesdropper
DX440 10m LW
R8A Lowe Europa R390A LW's
Sony 2010 Indoor antenna
FRG-8800 Eavesdropper

NRD-525 AD Sloper
Drake SW-8 Eavesdropper

Another good turnout this month with forty members sending in logs. Thanks go out to our regular contributors, and welcome to those contributing for the first time. You can also send your QSL items to me and I'll forward them on to Sam Barto.

Some of Ralph Famularo's logs were made while on a vacation to the US.

73's till next month

Tropical Band Loggings

Sheryl Paszkiewicz
P.O. Box 152
Manitowoc, WI 54221-0152

- 2390t MEXICO R Huayacocotla 1/12 1215 LA mx, weak (Bueneman-MO)
 2480h DOM REP R Revelacion 1/27 1040 Juan Pablo rel pgm, IDs (Mohrm.)
 3100 UNID 1/28 1019 rel hymns, amnts, -6 TCs? ads, anthem (Mohrmann)
 3222p TOGO R Kara 1/13 0643 FR nx, NA w/brass band (Lamb-NY)
 3250 HONDURAS Luz y Vida 1/12 1136 SP tlks (Bueneman-MO)
 3255 LESOTHO BBC Relay 1/13 0410 nx //3955 (Montgomery-PA)
 3260 NEW GUINEA R Madang 1/29 1100 EG nx //sev others (Howard-CA)
 3266.4 SULAWESI RRI Gorontalo 1/14 2132 C&W, IN tlks, good (Hill-MA)
 3270 NAMIBIA NBC 1/28 0310 good lite EG/Afr vcls //3290 (Conti-NH)
 3289.8 ECUADOR R Centro 1/28 1048 Andean mx, ads, TCs, ID (Mohrmann)
 1/28 0930, all tlk, IDs, TC, not strong but clear (Berg-MA)
 3290p NAMIBIA NBC 12/18 0425 EG scores, nx, poss ID (Lamb-NY) 1/3
 0046 variety mx, hilife, jazz, etc, fair (Flynn-OR)
 3300 GUATEMALA TGNA 1/12 1141 ment Guat, LA mx (Bueneman-MO) 1/28
 0330 good, ID, addr, TC, rel pgm (Conti-NH) 1/15 0020 ID, LA
 version of Put Your Hand in the Hand, orch (Bickus-VA)
 3306 ZIMBABWE ZBC 1/14 2040 chorus, tlk, tam-tam IS, nx (Serra)
 3315 USA WWCR 1/20 0341 sermon, chorus, addr, amts (Serra-ITALY)
 1/14 0417 EG sermon, free Bible offer (McCarthy-GA) 1/17
 0246 EG money pgm, exc (Levison-PA)
 3316 SIERRA LEONE SLBS 1/28 2203 EG nx, ID, cig ads, fair (Brandi-NJ)
 1/7 2332 Afr harmonies (rel?) ID, ment Freetown, TC (Clar-NY)
 1/28 2145 EG tlks, ID, TC, nx (Berg-MA)
 3325 BOUGAINVILLE RB 1/29 1115 mx, ID "RB b/c from Sohano? PNG on
 Buka Island" (Howard-CA)
 3329.5 PERU Ondas del Huallaga 1/21 1055 s/on amnts, ID, mx (Mohrmann)
 3330 CANADA CHU 1/15 0925 noted off incl 7335 & 14670 (Bueneman-MO)
 3335t TAIWAN CBS Hakka 1/22 2034 lite mx, YL tlks, poor (Serra-ITALY)
 3339.9 PERU R Altura 1/21 1013 amnts, Andean mx, ID, TC (Mohrmann-VT)
 3356 BOTSWANA RB 1/28 0249 lang, US pops, fair (McCarthy-GA)
 3360 GUATEMALA LV Nahuala 1/12 1143 ID, promos, rancheras (Bueneman)
 3366 GHANA GBC 1/30 0520 EG rel mx pgm (Jones-SD)
 3371 BOLIVIA R Florida 1/12 1150 tlk, CP mx, f-p (Bueneman-MO) ID?
 3375 CHINA CNR-1 1/14 2148 emphatic CH, burying Angola (Hill-MA)
 3390 SIKKIM AIR Gangtok 1/14 1230 EG nx, now produce own pgms (Ryan)
 3396 ZIMBABWE ZBC 1/20 0301 anthem, //3306, poor (Hankison-KS)
 3397.8 PERU R Int'l 2/7 0934 Andean mx, ID, hrd btwn ute xmsns & anncg
 3395 (Mohrmann-VT)
 3600h CUBA R Rebelde 1/20 0025 nx, sports, ID //710, 5025 (Conti-NH)
 appreciate your writing in--sp.
 3905 IRIAN JAYA RRI Merauke 1/14 2029 soft tlk, disco, SCI (Hill)
 1/7 1146 IN vcls, SCI, ID, nx (D'Angelo-PA)
 *3945 INDIA AIR Gorakhpur *1330 ID, amnts, Hindi drama, 1430 Delhi
 EG nx //sev on 60m (Ryan-THAILAND)
 3959.8 NO KOREA KCBS Kanggye 2/2 1520 KR monolog, sad mx //3220,
 3350, 3970 & 6100 (Treibel-WA)
 3970 ENGLAND R Korea 1/14 2030* SW Feedback, KR mx, ID (Serra-ITALY)
 3975 HUNGARY R Budapest 12/30 0558* Serb tlks, IDs, pops (Lamb-NY)
 3985 ITALY IRRS 1/14 0702 EG UN Radio nx, weak but clear (Alexander)
 3995 GERMANY DW 1/1 0535 GM intros to pops, fair (Famularo-NJ)
 4003.2p SUMATRA RRI Padang 1/25 2141 tlk, SC mx w/tampuras? (Hill-MA)
 *4192.2vt PERU R Selva Superior 0145 amnt btwn songs, 0215 ad string,
 sfx, 0230 poss ID, drum pattern at ID, NA 0238*, tnx McVicar
 (Johnson-CO)
 4606.4 IRIAN JAYA RRI Serui 1/14 2103 IN tlk, mx, weak (Hill-MA)
 4702.2 BOLIVIA R Eco 2/9 0157 vcls, ID 0227, left air w/o NA (Johnson)
 4746.8 PERU R Huanta 2000 1/14 1052 rel tlk, folk mx, ID (Clar-NY)
 4753.6 SULAWESI RRI U-P 1/20 1033 IN mx, lcl instruments, tlk(Newbury)
 4760 ANDAMAN ISL AIR Pt Blair 1/14 1214 SC, ID, nx HIC 237 (Hill-MA)

4760 LIBERIA ELWA 1/13 0610 rel mx, ment Monrovia, etc (Serra-ITALY)
1/17 0635 EG rel pgm, ID, addr, fair (Jones-SD) 2/4 2159*
EG rel pgm, ID, NA "after which we will ask you to close down
your radio" (D'Angelo-PA)

4760 SWAZILAND TWR 1/13 0315 lang tlk, gospel song, fair (Newbury)

4765 BRAZIL R Rural 1/20 0234 Chas Aznavour, anmts, ID (Serra-ITALY)

4765 BRAZIL unid 1/18 0149 Braz pops, anmts, atencion (Serra-ITALY)

4770 NIGERIA R Nigeria 1/13 0430 NA, ID, EG anmts, poor (Newbury-NE)

4775 INDIA AIR Imphal 2/1 1500 EG nx abt new bx house being built
in New Delhi, fair (Howard-CA)

4775 PERU R Tarma 1/14 1100 OA mx, ID, QTH, prayer, Battle Hymn of
Republic (Clar-NY)

4775 SWAZILAND TWR 2/4 0420 GM IS, 0430 EG & weaker (Berg-MA)

4789.4sh SAUDI ARABIA BSKSA 1/11 2030 TP, AR ID, nx (Hill-MA)

4790 PERU R Atlantida 1/23 0124 pol tlk, IDs, sfx, TC, mx (Clar-NY)

4795 UKRAINE R Ukraine 1/25 2038 UK tlk //7240, poor (Brandi-NJ)

4800.1 LESOTHO RL 1/29 0500 EG ID, nx, RTTY QRM (Froemming-AZ) 1/20
0330 lang organ mx, ID 0331, fair (Hankison-KS)

4805 BRAZIL Rdf Amazonas 1/20 1001 PT prob nx, chimes (Newbury-NE)

4815 BURKINA FASO RB 12/30 0705 FR ment B-F, phone sfx, ID (Lamb-NY)
1/4 2119 anmts, ID, pol tlk, ment Ouagadougou (Clar-NY)

4819.8 HONDURAS HRVC 1/24 0108 shouting preacher, exc (Newbury-NE)

4820 BOTSWANA RB 12/18 *0254 IS, NA, anmts, Afropops, fair (Lamb-NY)
2/2 2145 EG pops, rel msg, choral anthem //3356 (Berg-MA)

4820 INDIA AIR Calcutta 1400 EG UNESCO pgm (Ryan-THAILAND)

4820 RUSSIA R Mayak 1/22 1940 RS opera, IS, ID, nx (Ryan-THAILAND)

4825 RUSSIA R Mayak 1/5 1430 IS, RS ballads, tlk //others (Ryan)

4829.2 UNID 1/25 2045 AR mx, drifting, poor (Brandi-NJ) Probably
Mauritania who often moves around--sp

4830 VENEZUELA R Tachira 1/22 0018 live mx, IDs, etc (Clar-NY)

4834.9 PERU R Maranon 2/2 0230 IDs, Andean mx, tlk (Froemming-AZ)

4835.1 GUATEMALA Tezulutlan 1/24 0112 tlk, marimbas, fair (Newbury-NE)
1/16 0345 lcl mx, exc (Levison-PA)

4835.4 MALI RTM 1/20 1945 FR guitars IS, anmts, nx, interviews (Serra)
1/25 2102 flute mx //4782.8, poor (Brandi-NJ) Tnx Ralph--sp

4837.3v MAURITANIA ORTM 2/4 0637 slowly drifting (Alexander-PA)

4840t INDIA AIR Bombay 1/20 0212 lcl mx, anmts, tlk, fair (Serra)

4840 PERU R Andahuaylas 1/10 *1027 NA, ID, huaynos (D'Angelo-PA)

4845 GUATEMALA R Kekchi 1/20 1146 rel tlk, mx, IDs f-g (Clar-NY)

4850 CHINA mx unid is CNR-1 0800-1200+ //others (Martin-OZDX
via Berg)

4850 UZBEKISTAN Uzbek R 1/20 0156 chorus, IS, poss ID (Serra-ITALY)

4850.3 ECUADOR R Luz y Vida 1/11 1120 ID, tlk, QRMing China (Berg-MA)
1/11 0028 pres w/lite insp mx, canned poss IDs, rel (Clar-NY)
1/10 *1056 instls, canned ID, anmts, TC, nx (D'Angelo-PA)

4875 BRAZIL Rdf Roraima 2/2 0200 ID, tlk, samba mx (Froemming-AZ)
1/20 0311 nx w/corres, IDs, romantic songs (Serra-ITALY)
1/3 0149 rel tlk, prayer, ID, good (Clar-NY)

4878.2t PAKISTAN RP 1/21 0210 SC mx, phone in ment Islamabad, Pak.
(Rausch-NJ)

4880p INDIA AIR Lucknow 2/4 1206 IS, tlk under Dhaka (Berg-MA)

4883 CHINA CRI Hohhot 12/30 1509 RS to CAs, cmtry, Oriental mx
some CW QRM (Flynn-OR)

4885 BRAZIL R Clube Para 2/1 0300 ID, nx/tlk, mx, poor (Froemming)
1/14 2113 sports, phone tlk, TC, ads, ID (Serra-ITALY)

4890 PAPUA NBC pres 1/14 2038 EG anmts, island mx, same anncr as in
morning but no ID yet (Rippel-VA) 1/14 2014 PD "nx from Karai
Radio at 7 o'clock this morning" C&W (Hill-MA)

4890.5 PERU R Chota 1/29 0110 OA vcls, ID, TC, phone #, good (Berg-MA)
1/6 0215 anmts, IDs, rustic folk mx (Alexander-PA)

4895 BRAZIL R IPB-AM 1/30 0330 Braz mx, IDs (Klinck-NY)

4895 COLOMBIA LV del Rio Arauca 2/1 0230 ID, tlk, ads (Froemming-AZ)
1/20 1103 tlks, ID, slogans, TC (Clar-NY)

4900 ECUADOR LV de Saquisilí 1/15 1125 fast tlk, ID, TC, by 1136
CH stn dominating (D'Angelo-PA)

4902t SHRI LANKA SLBC 1/20 0140 speech, anmts, chorus (Serra-ITALY)

4904.5 CHAD RNT 1/20 1851 FR tlk abt Ramadan, addr, TP, nx (Serra)
2/1 2157 Afr pops, ID, TP, NA, good (Brandi-NJ)

4905 BRAZIL R Anhanguera 1/24 0930 ballads, ads, ID 0957 (Mohrmann)

4905p CHINA CNR 1/4 2307 CH tlk promos, fair (Clar-NY)

4905 PERU R La Oroya 1/21 1105 Indian anmts, ID, drums (Jones-MS)
1/11 0225 folk mx, "para vivir" etc, tent (Bickus-VA) 1/18

- 1148 anmts, ID, OA mx (Klinck-NY)
- *4905.3 COLOMBIA Ecos del Orinoco 1/15 0457* ID, mx, vy good till Chad s/on, Puerto Carreno had stn on 5940 abt 10 yrs ago (Field-MI) as unid 1/20 2336 continuous LA mx, live anmts (Serra-ITALY) 1/19 0244 US, LA pops, fair (McCarthy-GA) 1/16 0233 LA mx stretches, IDs close to half & qtr hours (no name-Mohrman?) 1/13 0308 Lionel Richie, IDs, tnx Valko/Fleming (Berg-MA) 1/15 2305 nonstop vcels, ID 2335, sfx, slogans (Clar-NY) 1/14 0500* vcels, ID, tnx Valko/Fleming (D'Angelo-PA) 1/20 0354 pops, great IDs (Klinck-NY) 1/20-21 0315 pops, IDs (Alex-PA)
- 4910 AUSTRALIA VL8T 1/28 *2130 EG tlks, maybe ABC nx, ad (Hill-MA)
- 4914.3 PERU R Cora 1/20 0338 ment Peru, ID, fair (Hankison-KS)
- 4915 BRAZIL RN Macapa 2/1 0200 ID, tlk/mx, RTTY QRM (Froemming-AZ)
- 4915 GHANA GBC 1/13 2255 accented M, Afr mx, drums, fair (Newbury-NE) 2/1 2209 EG nx, ID, Afr pops, good (Brandi-NJ)
- 4919 ECUADOR R Quito 1/4 0524 SP ads, ID, 2001 Theme (Famularo-WA) 1/17 0525 DJ echo tlk, mx, fair (Jones-SD) 1/11 0240 LA dance mx, cha-cha, bolero, bank ad. ID (Bickus-VA) 1/11 0520 mx, OM DJ, great IDs (Klinck-NY)
- 4920 INDIA AIR Madras 1/15 1228 EG SC mx, TP, nx (Comeau-MA) 1/19 1232 EG vcels, IDs (Klinck-NY)
- 4924.lvp BOLIVIA R San Miguel 1/28 0100 tlk, ballads, fair (Alexander)
- 4924.9 BOLIVIA R San Miguel 2/1 1021 2M tlk, clear ID (Klinck-NY)
- 4930.5 HONDURAS R Int'l 1/31 0200 ID, nx, SP/EG mx, Top 40 (Froemming) 1/21 0430 LA mx, good (Newbury-NE) 1/11 0255 rumbas, ID, some QRM (Bickus-VA)
- 4935 BRAZIL R Capixaba 2/3 2244 tlks, Braz pops, noisy (D'Angelo-PA)
- 4935 KENYA KBC 1/29 0448 EG tlk/mx, ads for Nairobi business (Froem) 1/28 2051 pop/soul mx, TP, ID, nx, prayer, NA 2106* (Brandi-NJ)
- 4940t INDIA AIR Guwahati 1/29-20 1305 SC mx, lang tlk (Klinck-NY)
- 4940t SHRI LANKA SLBC 1/26 2131 Koran, no break 2200 (Hill-MA)
- 4945 BOLIVIA R Illimani 1/31 0130 ID, LA mx (Froemming-AZ) 1/24 1012 Andean mx, IDs, freq, TC, martial mx (Mohrman-VT)
- 4945 RUSSIA R Ned 1/25 2114 Research File, ID, addr //7300 (Brandi) 2/3 2125* EG nx, Answer Line, ID //7300 (Alexander-PA)
- 4949.9 ECUADOR R Bahai 2/3 0910 Indian tlk, folk mx, ID (Alexander-PA)
- 4950 ANGOLA RN 12/18 0453 PT interview, mx, IDs //7245 (Lamb-NY) 1/20 0510 Afr rhythms, tlk //3375 (Conti-NH)
- 4950 CHINA Vo Pujiang 1/29 1330 CH ID, pops (Ryan-THAILAND)
- 4955 COLOMBIA RN 1/31 0100 nx, ads, LA mx (Froemming-AZ) 1/20 0121 nx, mx, TC, ID, poor (Serra-ITALY) 1/21 0440 salsa, ID, pop, NA, 0454* (Newbury-NE) 1/19 0430 R Havana pgms, ment k Havana & R Progreso, ID & NA 0458 (Conti-NH)
- 4959.8t VIETNAM Vo Vietnam 1/26 *2155 tone, orch, exercises (Hill-MA)
- 4960 ECUADOR R Federacion 1/20 1131 NA, IDs, TCs, fair (Clar-NY)
- 4965 BOLIVIA R Juan 23 2/6 0953 IDs, rel pgm, carnival mx (Mohrman)
- 4965 BRAZIL R Alvorada 1/27 2250 anmts, pops, IDs (Alexander-PA)
- 4965 TAJIKISTAN R Ned 1/3 2127 IS, IDs, TP, nx in lang (Comeau-MA)
- 4974.8 PERU R del Pacifico 1/13 1042 IDs, flute mx, poor (Montgomery) 1/7 *1045 NA, ID, anmts, rel mx (D'Angelo-PA)
- 4976 UGANDA RU 1/29 0430 EG ID & nx, not //5026 (Froemming-AZ) 1/19 0410 EG nx, anmt string, voter reg info, het (Conti-NH) 1/3 2053 Afr rhythm, ID, ment Kampala, tlks (Clar-NY)
- 4980 VENEZUELA Ecos del Torbes 1/30 0200 IDs, LA mx (Froemming-AZ) 1/20 1020 anmts, promos, IDs, LA mx, good (Newbury-NE) 1/28 0207 SP mx, some tlk, good (Levison-PA)
- 4990 ARMENIA Vo Armenia 1/25 2140 Eastern class mx, ID, sked (Brandi)
- 4991 PERU R Ancash 2/10 1126 OA mx, ID, ads, fair (Jones-MS) 1/27 1103 OA mx, tlk, TCs, decent, tnx Wilkner (Berg-MA) 2/4 0410 OA vcels, IDs, TC (D'Angelo-PA)
- 4991 SURINAM R Apintie 1/29 0415 SP/EG ID, EZL mx (Froemming-AZ)
- 5005.6 PERU R Jaen 1/14 1120 TC, rustic mx, ID, slogans (Clar-NY) 1/13 0244 OA mx, excited tlk, anmts, ID (Klinck-NY)
- 5009.5 MADAGASCAR RM 1/11 1948 on late, vcels, tlk, fair (Hill-MA) 2/1 0259 FR IS, NA, anmts, mx, poor (Hankison-KS) 1/12 0238 mx, anmts, IDs by YL, noisy (Klinck-NY)
- 5010 CAMEROON R Garoua 1/13 0530 FR mx, tlk, ID, clear (Klinck-NY)
- 5010 INDIA AIR Thiru. 1/2 0115 Hindi tlk, TP, ID, promo (Clar-NY) 1/25 0124 2M tlk, TP, feature (Flynn-OR)
- 5010.3 ECUADOR Esc. Radiotonicas 1/21 0234 HC mx, tlk, IDs (Clar-NY)
- 5015 BRAZIL R Copacabana 1/29 0400 nx, Superbowl score, ads (Froemm)
- 5015 TURKMENISTAN RT 12/20 01933 lang tlk, ME mx, IS (Comeau-MA)

- 2/3 1955 tlc, mx, guitar/chime IS, poss nx 2030 (Berg-MA)
- 5019.7 COLOMBIA Ecos del Atrato 1/29 0330 ID, tlc & mx (Froemming-AZ)
1/27 1115 ad string, ment Caracol, TC, poor (Berg-MA)
- 5020 CHINA Jiangxi PBS 1/16 1000 CH TP, ID, anmts, pops (Ryan-THAI)
- 5020 NIGER LV Sahel 1/1 2120 FR tlc, drums, ment Niamey (Comeau-MA)
1/8 1830 FR chants, tam-tam, TP, nx, poss ID (Serra-ITALY)
1/28 2145 Islamic mx, FR anmts, ID, NA (Brandi-NJ)
- 5024.9 PERU R Quillabamba 2/9 0147 SP interview, ID w/Rebelde
off (Johnson-CO)
- 5025 CUBA R Rebelde 1/25 0551 LA mx, ID w/echo (Jones-SD)
- 5026 UGANDA RU 1/29 0300 EG ID, nx, Afr mx, poor (Froemming-AZ)
- 5030 BHUTAN BBS 2/2 1330 UN pgm Scope to 1400* (Ryan-THAILAND)
- 5030.1 COSTA RICA AWR 1/20 0244 sermon, ID, addr, tlc/mx (Serra-ITALY)
- 5040 ECUADOR LV del Upano 1/17 0123 LA mx, IDs, slogans (Clar-NY)
- 5043 ANGOLA EP Benguela 1/29 0510 tlc abt Angola, mx (Froemming-AZ)
1/27 0200 tlc, pops, IDs //others which is not usual (Alex.-PA)
- 5047 TOGO Lome 1/29 0530 FR ID, tlc/mx, best in awhile (Froemming-AZ)
1/19 2345 rock, C&W, FR anmts, fair (Newbury-NE) 1/4 2325
FR pops, ID, TC, f-g (Clar-NY)
- 5049.8 ECUADOR R Jesus 1/13 0946 anmts, ID, rel pgm (Montgomery-PA)
- 5050 TANZANIA RT 1/7 0349 EG IDs, nx, pop mx (Comeau-MA) 2/8 0358
EG regional mx, ID, TP, nx, poor (Hankison-KS) 1/5 0346 EG w/
Elton, Jackson, Afr mx, ID, nx (Mohrman-VT) 1/9 0346 pop mx
TP, ID, nx 0400 (D'Angelo-PA)
- 5054.6 COSTA RICA Faro del Caribe 1/20 1030 tlc, promos (Newbury-NE)
- 5075 COLOMBIA Caracol 1/24 0600 ID, tlc, nx (Jones-SD) 1/28 0215
lots of tlc, mx, exc (Levison-PA)
- 5076.8 COLOMBIA Caracol 1/29 0600 ID, good but off freq (Froemming-AZ)
1/24 0103 ID, promos, tiery anncr (Newbury-NE) 1/27 0615
Caracol promos, mx (Alexander-PA)
- 5097.3 PERU R Eco 1/18 1046 ballads, anmts, ID (Klinck-NY)
- 5286.1 CHAD R Moundou 1/29 0700 AR & FR ID, tlc/mx (Froemming-AZ)
- 5360 UNID 1/28 0238 YL tlcs, OM vcls, weak (Levison-PA)
- 5407.1p CLAND R Prov Govt of Natl Union & Salv of Cambodia 1218 exotic
SEAS mx (no name - Hill?)
- 5620.9t PERU R Ilucan 1/20 0106 tlc, etc, QRN (Serra-ITALY)
- 5645.5 PERU LV de San Antonio 2/3 0045 anmts, huaynos, ID 0242, ads
jingles (Alexander-PA)
- 5660.5 PERU LV de Cutervo 2/3 0050 anmts, ID, ads, jingles (Alexander)
- 5745 USA according to VOA's Dan Ferguson, this freq is Greenville
and not a relay of WHRI (Ferguson)
- 5766.8 PERU Estacion Soritor 1/28 1057 Andean mx, nx (Mohrman-VT)
- 5770 NICARAGUA R Miskut 1/23 2245 ID, LA mx (Montgomery-PA)
- 5810 USA KAIJ 1/19 0340 Dr. Gene Scott, jazz //690 Anguilla (Cont1)
- 5810 USA VOFc Relay 1/10 2230 EG Music Box, exc (Fraser-MA)
- 5850 SWITZERLAND SRI 1/8 1811 IT nx, ID, addr, IS (Serra-ITALY)
- 5875 ENGLAND BBC 1/19 0330 RS s/on, nx, good (Conti-NH)
- 5895 CROATIA CR 1/26 1754 lite mx, TP 1800 //13830 (Serra-ITALY)
1/19 0300 EG nx, CR tlc 0305, good (Conti-NH)

This month contributors from 19 states & 2 countries. Some people logged the interesting KTRK or ARMY on 1670 a couple days in Feb. or WJDM-NJ on 1660. Now that this portion of the spectrum is considered AM, I think I will keep this column to the 2000 kHz & above. I would like to include more of your pgm details which you submit & for this reason think I will begin abbreviating our last names to the first 4 letters plus state abbreviation. We all like to see our names in print but I think this would best serve the membership with more info to help log the rare ones. I'm sure Lamb, Berg, Hill & Clar won't mind, huh. Next deadline March 22. Tnx to everyone who contributed. We had a handful of new reporters as well as some medium wave DXers checking in. DENNIS PASQUALE, tnx for your note but the loggings weren't in the envelope. GIOVANNI SERRA's logs were from his new monthly nxltr, The Four Winds; for subscription info, write Via Belloni 50, 00147 Rome.

International Band Loggings

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

- 5900 BELGIUM RVI in EG 0029, features "BelgiumToday" & "Around Town", f (Lemke ALTA 1/11)
- 5930 CZECH REPUBLIC R Prague in EG 1718, "Magazine '96", ID, IS in CZ, f (Serra ITALY 1/8) in EG 0010, nx, "Calling All Listeners", ID, lost to WWCR on 5935 at 0100 (T. Jones SD 1/6)
- 5940 RUSSIA Universal Life via VoR in EG 1930, relig pgm, lite mx, USA QTH & ID for Univ Life, into VoRussia pgmg at 1958, Midnite in Moscow IS, nx in EG 2000, g (Alexander PA 2/4)
- 5955 NETHERLANDS RN Flevoland in DT 1348, live sportcast, pips 1400, nx (Famularo JAPAN 2/4)
- 5960 CANADA R Japan relay in EG 0300, nx, SWL pgm (McGuire MD, Levison PA, Newbury NE)
- 5973 MYANMAR Myawadi BC Stn in lang *1030, ID, minority mx & vocals (Ryan THAILAND 1/26)
- 5975 ANTIGUA BBC relay in EG 2328, nx, ID @ 2329, DJ w/top 20 for UK, g (T. Jones SD 1/22)
- 59796 INDONESIA RRI Manado in IN 1012, Qu'ran recitations, YL w/cmtry (Famularo JAPAN 2/4)
- 5980 BRAZIL R Guarujá in PT 0839, fast talking DJ w/TC's, ID, chatter, sfx (Famularo JAPAN 2/5)
- 5981 GUATEMALA AWR in SP 1303, ID "LV de Esperanza", fgy, QTH, relig tlk/mx, f (Clar NY 1/4)
- 5985 CONGO RTV Congolaise in FR 2130*, hi-life mx, fgy, sked, ID, anthem, QRM (Hill MA 1/25)
- 6000 CUBA RHC in EG 0426, L Am songs, IS, ID, fgy, nx, cmtry (Serra ITALY 1/20, Conti NH 1/18)
- 6005 ASCENSION IS BBC relay in EG 0538, "Network Africa", "Newsday", exc (T. Jones SD 1/9)
- 6010 UKRAINE RUI in EG 2200, interview w/chief of Ukr Writers Union, //6130 (Pasquale PA 1/22)
- 6015nf SINGAPORE R Singapore Intl in EG 1301, "New Wave" mx, ID, TC, nx, ex-9530 (Famularo 2/9)
- 6020 NETHERLANDS ANTILLES RN rrelay in SP 0320, sports rpt (Conti NH 1/19) in EG 0115, Frank Sinatra rx, promo for Pete Myers pgm, into DT 0128 (Newbury NE 1/7)
- 6030 CANADA CFPV Calgary in EG 1445, ID, wx, TC, pop mx, 100 watts MW relay (T. Jones SD 1/17)
- 60404 BRAZIL R Clube Paranaense in PT 0225, vcls, ID (Paszkiwicz WI) in PT 0845, ID (Famularo JP)
- 6045 GERMANY Deut Welle Wertachtel in EG 0325, "European Journal", econ nx, f (Conti NH 1/15)
- 6050nf CHINA CPBS, CNR-1 in CH 1600, choral mx, //5880, Beijing site presumed, f-g (Treibel WA 2/2)
- 6055 RWANDA R Rwanda Kigali in FR 1800, nx, ID, Afro vocals (Ryan THAILAND 1/12)
- 6065 SWEDEN RS in EG 1735, "60 Degrees", "Radioscan", sports nx, ID, QTH, IS (Serra ITALY 1/8)
- 6065 ZAMBIA R Christian Voice in EG 0453, continuous contemp Christian mx, ID's at 0502 & 0509, "broadcasting from Zambia, this is Christian Voice" (Alexander PA 1/21, D'Angelo PA 1/21)
- 6070 CANADA CFRX Toronto in EG 0315, relay MW CFRB "Home of the Raptors" (Conti NH 1/18) in EG 1045, promos for car show (Newbury NE 1/5) in EG 1658, garden pgm (Jones MS 1/20)
- 6085 GERMANY Bayer Rundfunk in GM 2205, ezl mx, TP's, nx, chorals (Newbury NE, Famularo JP)
- 6090 CHILE R Esperanza in SP 0715, ID's, mostly continuous SP relig mx, f-g (Alexander PA 1/21)
- 6095 POLAND Polish R Warsaw in EG 2033, nx, press review, polit tlk, f-p w/fading (Clar NY 1/6)
- 6105 BRAZIL R Foz do Iguaçu in PT 0515, relay of R Transamerica satellite service w/pop mx, jingles, tlks, ID, ads (Lamb NY 1/24, Paszkiwicz WI 1/21) Tnx to Tony Jones for tip!
- 6115 PERU R Union in SP 0306, 2 OM chattering & giving TC's, ID (Famularo JP) in SP 0630, mostly continuous folk mx (Alexander PA) in SP 1037, Andes mx, nx "Diario de Union" (Mohrman VT)
- 6120 SOUTH AFRICA Channel Africa in Chinyanja *1557, continuous IS & ID prior to s/on of xmsn in lang, promptly buried under 1600 s/on of KWHR Hawaii (Treibel WA 2/12)
- 6130 CANADA CHNX Halifax in EG 1246, tlks re traffic lights, ID as MW CHNS (Bradi NJ 1/22)
- 6135nf SINGAPORE R Singapore Intl in Malay 1225, pop rx, clear ID's, nx, ex-9635 (Famularo JP 2/9)
- 6150 BRAZIL R Record in PT 0110, tlk, canned ID's, promos/slogans, ezl Braz mx, f (Clar NY 1/2)
- 6150 COSTA RICA AWR R Lira in EG 0602*, "Voice of Prophecy" pgm in EG/SP w/call sign and ID, NA, //5030, 9725, f (Lamb NY 2/11) in SP 0255, "Panorama Internacional", drama (Conti NH 1/18)
- 6155 KAZAKHSTAN R Almaty in EG *1400, IS, ID's, nx?, under co-channel Singapore (Famularo JP)
- 6160 CANADA CKZN Newfoundland in EG 1505, "CBC World Report", wx, lcl nx (T. Jones SD 1/17)
- 61738 PERU R Tawantinsuyo in SP 1030, spirited OA mx, TC during song, ID (Berg MA 1/27)
- 6180 CYPRUS Cyprus BC in GK *2215, IS, ID, tlks, lcl mx, //7125 (Famularo JP) 1st recep in 22+ yrs!
- 6185 MEXICO R Educacion in EG/SP 1056, pgm re Mexican customs, ID, TC at 1100 and into SP lang (D'Angelo PA 1/7) in SP 0125, ID, QTH, into Mexican ranchera mx, f-g (Clar NY 1/4)
- 6205 MOLDOVA R Dneister Intl in EG 2130, cmtry on new constitution just signed (Pasquale PA 1/22) in GM 2133, nx, lively folk mx, f (McCarthy GA 1/28) Best EG on Mon/Wed, GM on Tue/Sat
- 6205usb/nf COSTA RICA RFPI in EG 0237, "My Green Earth" children's pgm, ad for RFPI items, ID, sked, //7385, fgy move from 6200 (Lamb NY 2/5, Jones MS 1/26, Alexander PA 1/28)
- 6210 ETHIOPIA R Fana(1) in Amharic 1708, nx?, pop mx, speech (Serra ITALY 1/21, Montgomery PA)
- 6250 EQUATORIAL GUINEA RN Malabo in SP 2204*, nx, fgy, IDs, NA //5003 Bata (Lamb NY 1/26)
- 6280 LEBANON V of Lebanon in EG 1736, relig sermon/mx, ID, boogie mx, QTH (Serra ITALY 1/21)
- 64202 PERU R Imperial in SP 1242, OM anncr tlking over mx, TC, slogan, ID (Johnson 2/8)
- 67265 PERU R Satellite in SP 0110, tlk, community events, phone #'s, ID (McCarthy GA 1/22, Clar NY)
- 6976v LAOS Lao Nat R Luang Prabang in lang 1400*, tribal mx, ID, NA (Ryan THAILAND)
- 7081V PAKISTAN PBC in Urdu 1215, sub-cont mx, choral song, domestic svce (Famularo JAPAN 2/5)

- 7110 CHINA CRI Hohhot in RS 1100, IS, ID, nx, tlk, s/off 1200 (Ryan THAILAND 1/23)
- 7115 YUGOSLAVIA RY in Serbian/EG 0036, nx, IS, ID, fqys (Lamb NY, McGuire MD, Newbury NE)
- 7115 INDIA AIR Port Blair Andaman Island in EG 0530, "Parliament Today" (Ryan THAILAND 1/27)
- 7143nf? PERU R Altura(tent) in SP 0045-0200+, ancmts, huaynos, no ID, Ham QRM (Alexander PA 2/3)
- 7150 RUSSIA D Welle relay Novosibirsk in EG 2327, RS politics, Eur econ, ID (Famularo JAPAN 1/22)
- 7154 LAOS Lao Nat R Luang Prabang in lang 1030, tlk, chorals, many mentions of Lao (Famularo 2/5)
- 7170 SENEGAL RTV Senegal in FR 2200-0006*, nx, pop mx, ID's, NA, g overall (Alexander PA 1/21)
- 7185 SOUTH AFRICA Chan Africa in EG *0500, IS, ID for 15 mins, lcl ham QRM (Hankison KS 1/26)
- 7185 BANGLADESH RB Ext Service in EG 1240, folk songs, rpt on cricket match (Ryan THAI 1/30)
- 7230 OMAN R Oman in AR 1335, Holy Koran recitations, tlks, //11890 s/off 1400 (Ryan THAI 1/28)
- 7235 ITALY RAI in EG 1935, nx items on Italian politics & econ, ID as "Rye", g (Fraser MA 1/13)
- 7255 BOTSWANA R Botswana in lang/EG 0500, mx, nx, ID, //4820 (Lamb NY 2/5, Newbury NE 1/28)
- 7265 CYPRUS BBC relay in EG 0020, rock mx, comedy pgm featuring Capt Accident (Famularo JP 2/4)
- 7270 SEYCHELLES FEBA in Hindi *1415, IS, ID's, hymns, tlk, QRM R Malaysia (Famularo JP 1/26)
- 7290 SWEDEN RS in EG 0330, arts pgm, testing new fqy, //7115, e-mail QSL recd (Conti NH 1/26)
- 7295 MALAYSIA RTM Kajang in EG 0850, pop mx, ads, ID, p (Famularo JAPAN 2/1)
- 7305 KAZAKHSTAN R Nederlands relay in EG *0030, IS, world nx, ID, UTE QRM (Famularo JP 2/4)
- 7330 RUSSIA BBC relay Vladivostok in CH 1332, translated interview, Rod Stewart mx (Famularo 2/4)
- 7340 BOTSWANA VOA relay in EG 0415, "VOA Saturday", pop mx, D.C. snowstorm (Newbury 1/13)
- 7345 CZECH REPUBLIC R Prague in EG 0103, ID, pgm preview, current events, f (Hankison KS 1/27)
- 7365 VATICAN STATE VR in EG 2003, rpt on Pope's New Year's message, choral mx (Clar NY 1/1)
- 7370 CROATIA CR Zagreb in EG 2300, IS, regional nx, ID (Pasquale PA 1/23, Hankison KS 1/27)
- 7450 GREECE V of Greece in EG 1909, world nx bulletin, ID's, GK mx selections, f (Clar NY 1/1)
- 74799 ARMENIA V of Armenia Yerevan in FR 2100, ID in EG, IS, nx, lcl pop mx (Ryan THAI 1/24)
- 7500 MOLDOVA R Moldova in EG 2200, nx, cmntry, fqy, ID, p (McCarthy GA 1/24)
- 7550 SOUTH KOREA R Korea Int in EG/KR 1657, ID, jingle, into KR 1700 (Lemke ALTA 1/27)
- 9485 NORWAY R Denmark relay in DN/EG 1540, short EG pgm, ID, nx (Clar NY, Levison PA 1/12)
- 9505 CUBA RHC in EG 0500, nx, cmntry, Cuban national scene, Cuban mx, "DX'ers Unlimited", tlk on the joys of being a Ham (Alexander PA 1/27, T. Jones SD 1/21, Newbury NE 1/24)
- 9525 INDONESIA V of Indonesia in SP 1730, ID, fqys, mx, tourist pgm, IS?, f-p (Serra ITALY 1/19)
- 9530 SOUTH AFRICA Chan Africa in EG 1503, Afr nations soccer cup finals, f-p (Famularo JP 2/3)
- 95348 ANGOLA R Nacional in EG/PT 2000, variety of US/PT/Afro pops, nx, into PT 2100, tlk re UNITA prisoners, interview re World Bank (Alexander PA 1/20, Clar NY 1/14)
- 9540 SPAIN RE Espana in EG 0030, nx, press review, ID, f-p (McCarthy GA 1/27)
- 9555 PORTUGAL RDPI Lisbon in PT 0220, "Informacao" nx, lcl mx, //6095, 9570 (Conti NH 1/26)
- 9565 BRAZIL R Universo in PT 2304, lively sermon to excited crowd, relig mx, ID (Serra ITALY 1/20)
- 9570 PORTUGAL RDPI Lisbon in EG 0230, nx, sports, wx, feature on Portugal, //6095 (Conti NH 1/26)
- 9575 MOROCCO R Medi Un in FR 1821, US & FR pop/soul mx, TC, ID's, f, QRM (Clar NY 1/4)
- 95849 BRAZIL R Globo Sao Paulo in PT 2144, live soccer game, many ID's (Serra ITALY, Conti NH)
- 9590 NORWAY R Denmark relay in EG 0848, tlk on Faroe Islands & Bosnia peace, ID (Famularo 2/5)
- 9605 UNITED ARAB EMIRATES Abu Dhabi in EG 2315, health care in UAE, ID (Rosewame IL 2/4)
- 9615 MOROCCO VOA relay in HG 0549, tlks, rock mx, jingle, QTH, IS, //7130, f-g (Lamb NY 2/9)
- 9615 AUSTRALIA RA in EG 1625, "Business Weekly", "Report from Asia", ID, fqy (Serra ITALY 1/21)
- 9620 UKRAINE RUI in UK/GM 2357, folk vocal mx, tlk by YL, IS, ID, into GM nx, f (Lamb NY 1/25)
- 9650 CANADA R Korea relay in EG 1140, two YL's discussing current events, f (Fraser MA 1/14)
- 9680 THAILAND R Thailand via VOA xmtrs in EG 0029*, nx, "Asia Contests", nx, f (Flynn OR 1/9)
- 96802 BRAZIL R Gazeta in PT 1522, excited futbol play-by-play, ID's, slogans, sfx, QRM (Clar NY 1/7)
- 97099 LITHUANIA R Vilnius in EG 2000, nx, cmntry, ID, sked, lcl pop mx, g/wsome QRM from RAI at 2025 s/on (Alexander PA 2/3) in EG 2239, nx, ID, fqys, tlk on IMF & World Bank (Famularo JP)
- 9715 UZBEKISTAN R Tashkent in EG 1430, ID, nx, signal was overmodulated (Pasquale PA 1/27)
- 9720 SRI LANKA SLBC in EG 1545, mx game show, ID, TC, pops, f (Clar NY 1/3) in EG 1615, U.S. 1950's pop rx, ID on 1/2 hr, then more of the same (Klinck NY 1/16)
- 9725 COSTA RICA Advent World R in EG 2300, fqy, QTH, ID, family matters pgm (T. Jones SD 1/29)
- 9740 ALBANIA R Tirana in FR/EG 1830, IS, ID, econ tlk, from FR to EG 1930 (Famularo JP 12/29)
- 9755 CANADA RCI Sackville in EG 0340, Canadian defense forces xmns to Caribbean (T. Jones SD 1/7)
- 9775nf? BOTSWANA VOA relay in EG 0517, nx, business rpt, "VOA Today", f (Lamb NY 1/3)
- 97798 YEMEN Repub of Yemen R in EG 1826, world & regional nx, ID's, pop mx, TC 1830, QTH, NA 1858 (Serra ITALY, Clar NY) in AR 2046, tlk re Arafat, nx, ID's, AR mx, call-in pgm (Lamb NY)
- 9870 SAUDI ARABIA BSKSA in AR 2220, tlk to 2227, AR mx, nx after 2230 TC (Brandt NJ 1/16)
- 9910 INDIA AIR Bangalore in Pushtu 1440, regional mx, ID at 1445, g (Hankison KS 1/13)
- 9930 HAWAII KWHR Naalehu in EG 0940, relig pgm (Bueneman MO 1/15) in EG 1530, ID, QTH and QSL ancmt, into pgm in Assan lang, f, some fading & QRM (Clar NY 1/3)
- 9988 EGYPT R Cairo in IT 1804, ID, "Conoscere l'Islam", "Un minuto per l'Egitto" (Serra ITALY 1/8)
- 11335 NO KOREA R Pyongyang in EG 0014, cmntry abt S Korea/USA arms build-up (Blair CA 1/20)
- 11402 ICELAND NBS Reykjavik in IC 1451-1455*, tlk in lang, ment "Reykjavik" (Mohrman VA 1/20)
- 11570 PAKISTAN R Pakistan in EG 1407, nx, mx pause, into Urdu, relig speech, //9485 (Serra ITALY)
- 11615 FRANCE RFI in EG 1235, tributes to deceased Pres Mitterand (Fraser MA 1/8, Lemke ALTA 1/9)
- 11645 GREECE V of Greece in GK/EG 1839, GK mx, ID in GK, ancmt for EG pgm, nx (Serra ITALY)
- 11675 KUWAIT R Kuwait in AR 0345, mx, choral singing, ID, //15495 (Famularo JAPAN 1/27)

- 11715 MALI Chine R Int relay in EG 2002, world nx, ID, //15115 (Clar NY 1/6, Newbury NE 1/14)
- 11734Inf TANZANIA RT Zanzibar in SH 1915-2100*, tlks, local chants, M East type mx, ID 2059, NA, s/off seems to vary from day to day between 2000/2100 (Alexander PA 2/4)
- 11765 BRAZIL R Universo in PT 2147, US mx in PT, tlk re US movies, EG lesson, ID's (Klinck NY 1/8)
- 11780 AUSTRIA RAI Vienna in EG 1652, rpt on legal status of Jehovah's Witnesses in Austria, ID, pgm note, fqy, QTH, IS, waltz mx, into GM pgm, f (Clar NY 1/3)
- 11780 BRAZIL R Nac da Amazonia in PT 0935, magazine pgm, only station on 25 m at this time, g-p (Bueman MO 1/15) in PT 2253, ID, pop mx, ancmts, nx, promos, exc (Newbury NE 1/23)
- 118052 BRAZIL R Globo in PT 0847, trio of DJ's chattering & goofin' around, ads, ID (Famularo JP 1/9) in PT 2013, ID, brief jingle, ads, promos, futbol tlk, f-g (Serra ITALY 1/22)
- 11830 BRAZIL R Anhanguera in PT 2220, ID's, slogans, promos, TC, interview (Clar NY, Klinck NY)
- 11840 NORWAY R Denmark relay in EG 1440, "Copenhagen, European City of Culture" (Fraser MA)
- 11895nf TAJIKISTAN Tajik R in lang 0758, M East type singing, ment Dushanbe, IS?, f (Famularo JP 1/22)
- 11900 NEW ZEALAND RNZI in EG 0430, oldies, ID, nx (Kaminsky NJ 12/31, Newbury NE 1/24)
- 11905 RWANDA Deut Welle relay Kigali in EG 2110, nx re Bosnia, ID, //15270 (Newbury NE 1/14)
- 11940 LESOTHO BBC relay Maseru in EG 1737, sports nx, "African news", //15400 (Serra ITALY 1/12)
- 11960 ECUADOR HCJB Quito in EG 1920, "DX Party Line", nx, salsa, p (McCarthy GA 1/13)
- 11970 JORDAN R Jordan in EG 1500-1730*, classical mx, ID, nx 1700, lite instrml mx, fqy, tlk on ME ancient cultures (Alexander PA, Serra ITALY, Pasquale PA, Newbury NE, Famularo JP 1/1)
- 11990 KUWAIT R Kuwait in EG 1817, continuous fine lite & classical mx, ID, fqy, pips/TC 1830, nx, brief anthem & continuous pop songs (Serra ITALY 1/26)
- 12000nf RUSSIA Radiostansiya Atlantika Murmansk in RS *0200, IS, ID's, pop vel, g (Famularo JP 1/7)
- 13625 HAWAII KWHR Naalehu in EG 1900, relig pgmg, T-shirt offer, into mx (Lemke ALTA 1/29)
- 13675 UNITED ARAB EMIRATES R Dubai in EG 1600, pgm re Ramadan, ID, f (Pasquale PA 1/27)
- 13710 BOTSWANA VOA relay in EG 1925, "40% of Bosnian Serbs are refugees", mx (Bickus VA 1/15)
- 13732 INDIA AIR Bangalore in AR/FR 1944, end AR pgm, ID, into FR w/nx & film mx (Lamb NY 2/10)
- 13830 CROATIA Croatian R in CR/EG 1253, EZL mx, TP, ID, nx re Bosnia & Tadjman, EG ID & nx at 1303 (Lamb NY 2/11) in CR 1800, pips, ID "Hrvatski Radio", nx, //5895 (Serra ITALY 1/26)
- 15110 MALI China R Int relay in EG 2020, ID, "Travel Talk"-Harbin's Ice Festival, g (Fraser MA 1/13)
- 15130nf INDONESIA RRI Jakarta in IN 1317, ads, ID, rock & pop mx, ex-9680, exc (Famularo JP 1/20)
- 15160 ALGERIA R Algiers Int in EG 2022, rock mx, ID, wx, Algerian & Cajun mx, f-p (Lamb NY 1/26)
- 15205 ALGERIA R Algiers Int in EG 1800, nx, variety of US/Euro/Afro pops, ID's, nx again 1855, g //11715, 15160 (Alexander PA 1/20)
- 15240 SOUTH AFRICA Channel Africa in EG 1605, nx, ID, TC, "Newswatch", sports round-up, stocks rpt, national mx, "Report from Africa" (Clar NY 1/3, Flynn OR 1/11)
- 15240 SWEDEN R Sweden in EG 1450, comments on hand ball as played in Sweden (Levison PA 1/8)
- 15265 BRAZIL RadiolBras in EG 1810, various BR songs, classical mx hosted by Alan Bennett, ID, tlk re largest library of relig books (Clar NY 1/1, Serra ITALY 1/17, Levison PA 1/7)
- 15270 RWANDA D Welle relay Kigali in EG 2150*, tlk on policing INTERNET, site ID (Rippel VA 2/5)
- 15290 JORDAN R Jordan in AR 0553, AR mx, tlk w/Islam greeting, pips, ID, //11810 (Famularo JP 1/22)
- 15400 FINLAND R Finland in EG 1233, lcl nx, story, YL/OM nx in Latin, //11735 (Serra ITALY 1/13)
- 15400 ASCENSION IS BBC relay in EG 1915, "Education Express" and other nx, exc (Bickus VA 1/14)
- 15420 SOUTH AFRICA BBC relay Meyerton in EG 0700*, interviews, hi-life mx, Malawi politics, f-p //7160 (Famularo JP 1/24) NOTE:BBC fqy list of Nov '95 lists this 15420 xmsn via Seychelles??
- 17720 ROMANIA R Romania Int in EG 0711, tlk re Eur Union, ID, RM pop mx, //17805 (Famularo 1/23)

That's it for the March issue. Since I will be going on vacation beginning March 22, I hope to be able to mail the April column to Bill Oliver no later than March 21. Accordingly, it will be much appreciated if contributors to this column will mail their material so as to arrive at the Distribution Editor's QTH by March 10 or at my address by March 15 if you elect to send the material directly to me. Remember to allow enough time in advance of those dates for mail transit time. Best wishes to all and keep ferreting out those new DX finds to be shared with the rest of the membership.

the CPRV page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

CPRV
COMMITTEE TO PRESERVE RADIO VERIFICATIONS

My QSL collection is very important to me. It is my wish that, when I am no longer able to enjoy my QSLs, my family will donate them to the Association of North American Radio Clubs "Committee to Preserve Radio Verifications," Box 54, Caledonia, NY 14423, so that my QSLs will be preserved for the enjoyment of other radio hobbyists.

Signature

Date

Columbia University
in the City of New York
DEPARTMENT OF ELECTRICAL ENGINEERING

June 6, 1941.

Mr. Peter A. Clarius,
11 Marianne Street,
Port Richmond, Staten Island,
New York.

Dear Mr. Clarius:

I am glad to confirm your reception of W2XMN.

At the present time the station has no news period or commentators, but will shortly. The schedule is:

Mondays thru Fridays- 11 am to 2 pm;
4 pm to 11 pm.

Saturdays and Sundays- 11 am to 11 pm.

Trusting this will answer your question,

Very sincerely yours,

Edwin H. Armstrong
Edwin H. Armstrong.

eh:ms

P.S.- I think I can assure you that if you use the proper kind of FM receiver you will have no interference of any kind whatsoever.

This column brings to an end seven years of "The CPRV Page." I have very much enjoyed displaying some of the material in the CPRV collection. My hobby time needs some reapportioning, however, and so The Page must yield to other things.

The good news is that CPRV is alive and very well. We now have over 28,000 QSL's under roof (including duplicates, of course), among them much material of historical significance. An example is this month's featured QSL. The signer of the letter--Edwin H. Armstrong--was the discoverer of the principle of regeneration, the inventor of the superheterodyne radio receiver, and--if that were not enough--the inventor of FM. This veri is from his own FM station, W2XMN.

CPRV archives QSL's at Christian Science Monitor headquarters in Boston, and offers a Registered Collections program whereby you can obtain stickers, like the one at the upper left, for affixing to your QSL collection. For further information on either service, send a stamped, self-addressed envelope to the address at the top of the page.

I would like to thank the clubs that have carried The Page over the years, and the DXers who have donated their collections to us and used the Registered Collections service. I would also like to thank my fellow CPRV committee members, who have helped to make CPRV a stable and permanent hobby entity. They are Kent Corson of Iowa, Gerry Dexter of Wisconsin, Tom Gavaras of Minnesota, and John Herkimer of New York. John is due special thanks for heading up the Registered Collections program.

If we can be of assistance to you in any aspect of your QSLing, please contact us. We are here to help.

A Committee of the Association of North American Radio Clubs

**9TH
ANNUAL**

WINTER SWL FESTIVAL

March 14-16, 1996

Holiday Inn

Sunneytown Pike

Kulpsville, Pennsylvania

We will officially open the Ninth Annual Winter SWL Festival Forums on Friday morning and continue all day Saturday. As usual, there will be door prizes, station freebies, (please bring items to be donated for the silent auction), and a banquet on Saturday night. New this year, bring items for sale or swap for an equipment swap meet on Friday afternoon. Also new, bring your receivers to let others try out!

The Forums will include:

- A scanner in your future?
- The Zenith archives
- ANARC Forum
- Setting up the shack
- Easy listening
- The year in pirate radio
- Care & Feeding of Boat Anchors
- Computers in the Radio Hobby
- The Zen of DXpeditioning

And More To Be Announced...

Registration Options-

FULL	- Includes forums, hospitality room, lunch and banquet	- \$35
PARTIAL	- Includes forums, hospitality room but NO meals	- \$17
SPOUSE	- Includes hospitality room and meals	- \$19

GRAND PRIZE To be announced

SPECIAL Register early and win a SW portable! Your registration received by midnight February 11, 1996 will allow you one FREE entry towards this early bird registration door prize.

Please bring items for the Silent Auction. Proceeds are donated to charity.

Checks should be made payable to WINTER SWL FEST. Registration for hotel rooms should be made directly to the Holiday Inn at (215) 368-3800 As soon as possible! Special rates - \$59 single, \$64 double. Our function code with the hotel is WINTER SWL FEST. Please refer to this to get the special room rates. Listen to the ANARC SWL NET on 7.240 LSB at 10 AM Sundays for up to the minute info.

The Holiday Inn is located at EXIT 31 of the PA Turnpike Northeast Extension-Lansdale Interchange. Improved access from the south with the Blue Route—ask for details. Limo service is available from Phila. Intl Airport directly to the Holiday Inn.

Please submit the following form with your registration amount or send for more information to:

Winter SWL Festival
PO Box 591
Colmar, PA 18915

Name _____

Address _____

City _____

Circle: FULL PARTIAL SPOUSE (Spouse Name: _____)

Banquet - Check: Roast Beef _____ Chicken _____ Registration Fee Enclosed: \$ _____

I wish to purchase _____ raffle tickets Tickets Fee Enclosed: \$ _____

(\$1 ea/ 6 for \$5/ Special 13 for \$10)

Total check/money order enclosed: \$ _____

Registration cancellations after 2/28/96 cannot be refunded; however we will refund raffle ticket money if you have to cancel.

New from Gilfer Shortwave

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hochfrequenztechnik gmbh

Active Receiving Antennas for HF and VHF/UHF

Dressler ara 40 HF Active Antenna

Dressler's newest HF antenna, designed as a low-cost match for portable receivers (Grundig Satellit 700 & YB400, Sony ICF-2010 & ICF-7600G, etc.) as well as low-end table-top models (Lowe HF-150, Yaesu FRG-100, etc.). Similar design to the ara 60 antenna but with reduced gain (approx. 3 dB) to avoid overloading of sensitive portable receivers. Constructed from anodized aluminum, with a fiberglass whip antenna element. Includes adjustable attenuator (0-20 dB). Install indoors or outdoors. Requires 12VDC power supply (optional)

Gilfer Price: \$199.95 (+\$10 s&h) Order #D04240

Dressler ara 60 HF Active Antenna

Better than ever, the newly redesigned ara 60 offers more gain and better performance than the ara-40, making it the perfect partner for high-end receivers such as the Drake R8A, JRC NRD-535, Watkins-Johnson HF-1000, etc. Featuring superior strong-signal handling capability, +50dBm third-order intercept point. The 95 cm (approx. 3 ft.) fiberglass whip element feeds a low-noise FET transistor followed by a wideband impedance transformer in order to pick up weak signals without excessive loss. An ultralinear final amplifier then amplifies the signal further for a maximum overall gain of 10 dB (± 0.2 dB). An adjustable attenuator (0-20 dB) allows reduction of gain in event of overloading. Requires 12VDC power supply (optional)

Gilfer Price: \$269.95 (+\$10 s&h) Order #D04260



Dressler ara 2000 VHF/UHF Active Antenna

The successor to the popular ara 1500 model which was the number one wideband VHF/UHF active antenna, the new ara 2000 utilizes a GaAs-FET amplifier for maximum gain (11-13 dB up to 1.5 GHz) and minimum noise figure (1-2.5 dB), while delivering excellent third-order intercept point performance (+40 dBm below 500 MHz, +43 dBm above 500 MHz). Coverage from 50-2000 MHz, circular polarization, N-type coax connectors. Housed in a UV-resistant cylinder less than 18 inches tall and about 3.5 inches in diameter, the ara-2000 is easily hidden from landlords and neighbors! Includes mounting hardware and 15 meters of RG-58 coax cable. Requires 12VDC power supply (optional). We highly recommend this antenna for use with the Icom IC-R7000/R7100, AOR and Realistic Scanners, and any other wideband receivers.

Gilfer Price: \$269.95 (+\$10 s&h) Order #D04220



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