

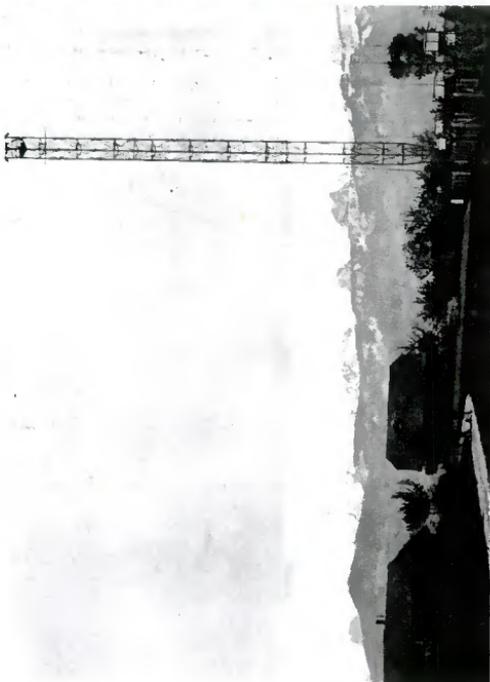
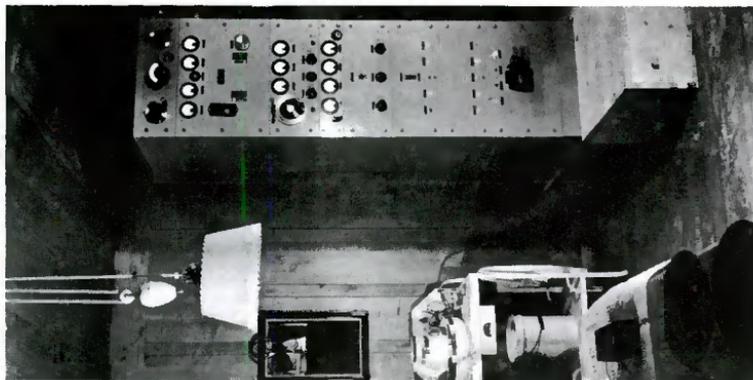
NASA

the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

VOLUME XXXVII NUMBER 3

MARCH 1997



Swiss Broadcasting Corporation
European and Overseas Services
CH - 3000 Berne 15, Switzerland

+SBC

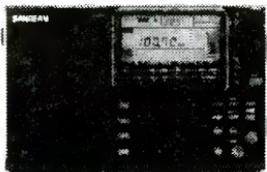
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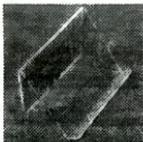
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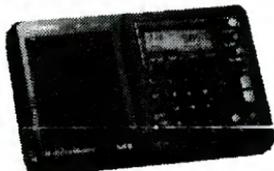


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RADIO MONITORING: THE HOW-TO GUIDE

By T.J. "Skip" Arey. Here is a very readable guide to listening to medium wave, shortwave, VHF and above. The ANARC review says, "Never has so much useful information about getting started in so many aspects of radio monitoring been packed into one book... should grace the shelf of anyone in the radio hobby." We agree. ©1997 Index 337 p. Order #3462 \$19.95 (+*2 Shipping)

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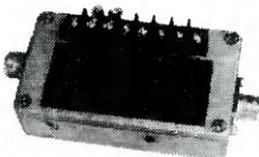


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NASWA Notes

Richard A. D'Angelo

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Wyomissing, PA 19610

Genie: R.D'ANGELO3

Internet: r.dangelo3@genie.com

The 10th Winter SWL Festival is only days away. It's time to make those last minute plans with the hotel. If you have not registered yet, you may do so "at the door." Your club will be represented at North America's premiere gathering of radio hobbyists. I look forward to seeing YOU at the FEST.

This month **John Figliozzi** <johnfig@earthlink.net> sits in the editors chair while pinch hitting for Easy Listening editor **Rich Cuff**. The Easy Listening column has been one of the more popular columns in the Journal during recent years. Thanks Rich for a job well done and thanks to John for stepping in to help out. John Figliozzi is no stranger to NASWA. His membership days go back a L-O-N-G way. He has been very active supporting Easy Listening and is a major contributor to our web site. We look forward to John's first column this month and to subsequent columns until Rich returns.

In his survey of Clandestine Activity for 1996, **Mathias Kropf** reports the activity of political clandestine stations on shortwave dropped by 5.1% to 1,510 weekly broadcasting hours ("WBHs"). The biggest decrease was to African target areas which saw a 17.4% drop. The number of target areas has jumped from 23 to 26 with Nigeria and Burundi being added for the first time and Egypt returning to the list. Iraq was the most active target area with 261 WBHs followed by Cuba (226 WBHs) and North Korea (210 WBHs).

Bob Fraser in Cohasset sent along an interesting article from September's Electronics Now which discusses how planning and common-sense scheduling have helped "unchoke" the shortwave bands. It talks about

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave, medium wave and longwave 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. Contributions are also accepted via the Internet Relay Chat (IRC) channel #swl while the net is in progress. Net Controls Dave Kirby N1DK, ex-N8JQX, Hausie WB4JSP, and Bob Curtis W1EXZ host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info is also available at <http://www.trsc.com/swl_net.htm>.

the work of the High Frequency Coordinating Committee which consists of about 70 delegates from 27 countries representing about 50 shortwave broadcast organizations. For those with an interest in such matters, I highly recommend the article. Thanks Bob for sending it along!

Interested in travelling to New Zealand? The New Zealand Radio DX League will hold a convention to celebrate its 50th anniversary in February 1998. Further details will appear in the Calendar of Events as they become available.

Our good friends at the Ontario DX Association (Box 161, Station A, Willowdale, Ontario, Canada M2N 5S8), North American distributors of Willi Passmann's authoritative "Tropical Band List", have announced improved availability of this popular DX reference tool. TBL is now being produced and printed in Ontario, and thus available for

Our Motto is - "Unity and Friendship"

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 and totals for the **Scoreboard** column. He can also be reached through the Internet at: fkohl@ix.netcom.com.

any current month throughout the year. The TBL provides complete coverage of all Tropical Band stations as well as Home Service stations throughout the frequency range of 2.3 to 7 MHz. The per issue cost within Canada is \$18.00 (plus GST) postpaid; else-

where the per issue cost is \$US 15.00 post-paid airmail.

That's it for this month. Enjoy the Winter SWL Festival edition of the JOURNAL; it's another good one. 

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 soley 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

Richard A. D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610
<r.dangelo3@genie.com>

The final DXpedition of the season to Gifford Pinchot is now history. Trip number 20 by Fred's updated count since October 1991. Fred Kohlbrenner, Bob Montgomery, George Zeller and I enjoyed a few days of fun but only minor success behind the dials. I suspect we are suffering through the dismal effects of a sunspot minimum to reap outstanding DX.

I was the last to arrive on Thursday afternoon. Dressed in a business suit to add some class to the operation, I rushed to set up my equipment since everyone already had their rigs up and running. George had his infamous Watkins Johnson monster machine and an AOR 7030. Despite having very expensive state of the art hardware, Mr. Pirate Listener reported better results from his tiny Sony SW-100 than the HF-1000 or 7030 in certain situations! Portable receiver fans should not despair when seeing some of the equipment used in the Log Report.

Conditions were not the best as Indo's, Indian's and South America didn't yield anything spectacular. Nevertheless, there were some things to occupy our time; mainly in the food category. Susan, Mrs. Executive Director, decided to "beef" up the Friday pasta meal by sending along meatballs for the gang. Since she generally views DX'ers as a bunch of meatballs, this obviously was her version of "you are what you eat." Also, I have noticed an alarming trend of Healthy Choice entrees creeping into Fred's diet.

Saturday morning saw a "dusting" snow falling while we scoured the bands. Nothing serious during the wee morning hours but it sure helped the view. However, it didn't help the DX! Gifford Pinchot was pretty as a picture but the DX was not up to the challenge. By mid-afternoon, about 4 inches of snow was on the ground and antenna wires were snow coated.

Over loud protests from Fred, we did not go to his favorite restaurant to see his favorite waitress as we departed on Sunday morning. That trip will just have to wait for next season.

Calendar Of Events

- Mar 14 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 15 Meeting. The Miami Valley DX Club** (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hamner at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.
- Mar 21 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. Check the BADX Web Page: <<http://www.grove.net/~badx/>>.
- Mar'97 Contest. 1997 North American DX Championships.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1997 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.
- Mar'97 Convention. The 10th Annual Winter SWL Festival** will be held at the Kulpsville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 13-15 March 1997. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts over 200 hobbyists each year. See January's Journal for the registration form.
- Apr 12 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: joseph.buch@dol.net
- Jun'97 Convention. The 31st Annual European DX Council ("EDXC") Conference** will be held on 6-9 June 1997 at the Hotel Lazne in the eastern part of the Czech Republic. It will be organized by the Czechoslovakian DX Club. Information can be obtained from Jaroslav Bohac, Jizerska 2900/11, 400 11 Usti n. L., Czech Republic; FAX +42 47 5211819, e-mail: khonzik@bbs.infima.cz.
- Aug'97 Convention. WTFDA Convention** has been tentatively set for August 1-3. Convention host John Broomhall is exploring two sites: North Georgia mountains (about 75 miles from Atlanta) and in or near Metropolitan Atlanta. Activities include station tours, amateur TV demonstration, FCC Regional Field Office visit, guest speaker(s) and informal Q&A panel discussion. Further details and information will appear when received.
- Oct'97 Contest. 1997 Adventist World Radio Contest.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1997 AWR Contest, c/o Dr. Adrian Peterson, Box 29235, Indianapolis, IN 46229.
- Feb'98 Convention. New Zealand Radio DX League** will hold its 50th anniversary convention sometime in February 1998. Exact dates and venue have not been established. Information from NRZDXL, P.O. Box 2956, Wellington, New Zealand. Further details and information will appear when received.

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@mcs.com).

Welcome to the following new NASWA members

Harold E. Anderson, Montevideo, MN
Sylvanus Darrisaw, Detroit, MI
Ito Eiichiro, Tottori, JAPAN
Isom Fontenot, Ville Platte, LA
Tom Gramlick, Cabot, AR
Jorge A. Jorge, North Bergen, NJ

Craig Marshall, Omaha, NE
Paul Martin, Azusa, CA
Mike Perry, Cliffside Park, NJ
Martin Pitchford, Salem, OR
Sam Weingart, Lafayette, IN

Easy Listening

John Figliozi

45 Algonquin Road

Clifton Park, NY 12065-7703

America Online: JFigliozi

Internet: johnfig@earthlink.net

Introductions Are in Order

John Figliozi, pleased to meet you. I'll be your interim Easy Listening editor, for the next little while. I've got big shoes to fill as Rich Cuff has done yeoman work gathering and presenting shortwave programming news, which (if you haven't noticed by trying it yourself) is a darn difficult thing to do. Nonetheless, over the years Rich's column has doubled in size and become the best of its genre available anywhere. I look forward to the challenge of living up to those standards, formidable as they are.

Of course, I expect you to do your part. Send me your comments, contributions, criticisms (and even congratulations) via the following delivery methods:

Postal mail: 45 Algonquin Road, Clifton Park, NY 12065-7703

Electronic mail: <johnfig@earthlink.net> or <jfigliozi@aol.com>

Voice and fax: 518-383-0796

With so many options, you've really no excuse for not getting involved!

The SWL Wars

Shortwave listeners can be forgiven if they are beginning to feel like weary veterans of unrelenting foreign (electronic) wars.

Way back in the early '90s, there was the first Canadian campaign. Complete annihilation was avoided, but at great loss to listeners. A little later there was the Czech campaign, a curious theatre where a seeming surrender was followed by victory. Then there was the Israeli campaign (leaving a marginal service) and the South African campaign (currently in a holding pattern), followed closely

by the British campaign. (The latter has been a two-front conflict, where it has been hard to distinguish between friends and enemies.) There's that secret little campaign I call "The Russian Attrition". (After all, who can really hear Voice of Russia anymore?) There was also a "surgical strike" at VOA, that eliminated shortwave service to Europe and week-end service to the Americas (including "our" broadcast of *Communications World*).

We then all marched off to the second Canadian campaign, followed closely by the recently completed (and, thankfully, short) third Canadian campaign (more holding actions).

Now there are the worrying Belgian campaign and the threatening French front. And, in the last few weeks, we've been presented with a sneak attack—the Australian campaign—which has grown like a grass fire in the Australian summer (a little smoldering, followed by a widespread conflagration).

It's all just a little tiring, disheartening and maddening all at once. Makes one almost begin to believe in that old discredited domino theory after all, eh?

More Radio Australia Changes?

Only if death can be characterized as "change". Last month, this column highlighted some programming changes **Radio Australia** instituted in late January. While management has tried to put the best face on them, this round of changes was prelude to and made mandatory by expected new massive budget reductions that were expected to be ordered by the government and the domestic parent, **ABC**.

In fact, **Radio Australia** has undergone a series of budget cuts over the past half decade. It is a singular credit to RA staff and

management that, to this point, the service has remained a 24 hour one and that the "on-air sound" of RA largely gives little hint of the predicament Australia's politicians have been continually placing them in.

But just as these program changes went into effect (and as if to prove that no good deed goes unpunished), a commission appointed by the government to study public broadcasting in Australia and chaired by Australian "businessman" (uh-oh!) Bob Mansfield issued a report on January 24 recommending (among other things) that the ABC close **Radio Australia** to help salvage the ABC. The machinations surrounding the appointment and work of the Mansfield Commission is a fascinating piece of political theatre, which has been closely followed by the Australian press (see reference below) but is too lengthy to be recounted here. But there are a few matters which bear repeating and serve to give one a good idea of the "quality" of the "research" conducted.

The Mansfield Report claims that **Radio Australia's** listening audience has declined from 100 million listeners to 20 million over the past fifteen years. It is not clear what information this assertion is based on, but it should be noted that **Radio Australia's** listener mail has actually increased over that time. Furthermore, the Report incredulously claims that the number of shortwave receivers in use in the Asia-Pacific region has declined precipitously over the same period. Sales figures alone would appear to belie that statement. Perhaps even more telling, The Melbourne Age printed a leaked government report that appeared to indicate that this entire scenario was engineered by the Minister of Communications, Senator Richard Alston, last June to provide political cover for a planned major reduction in the ABC budget and changes in the ABC Charter that would weaken the public broadcaster and compromise its current editorial autonomy.

Despite strenuous efforts on the part of the government and the ABC to mute criticism and forestall any effective response to the Report's recommendations (the ABC ordered **Radio Australia's** director not to comment on his organization's proposed demise and

the ABC scheduled a meeting of its Board to ratify the Commission's findings for February 5, less than two weeks after the Report's release), the initial reaction by RA listeners worldwide and even government leaders in the Asia-Pacific region has been overwhelmingly supportive of **Radio Australia**. Perhaps the most embarrassing (to the government) and the most heartening (to **Radio Australia**) gesture was made by the Prime Minister of Papua New Guinea, a relatively poor and underdeveloped Pacific island nation. He stated that **Radio Australia** was of such value to him and his people that he would forego Australian foreign aid if this would help save **Radio Australia**. (He went on to say that he was surprised to hear that the Australian nation was in such dire financial straits. **Radio Australia's** annual budget is A\$20,500,000.)

I think it would be fair to say that both the government and the ABC have been surprised by the volume and depth of international support for RA. That meeting of the ABC Board in early February concluded without the expected ratification of the Mansfield Commission's recommendations regarding **Radio Australia**. The government, too, has been brought up short, with some of its members and the opposition joining to express support for the retention of **Radio Australia**. The government has established an inquiry into the future of RA and has invited interested parties to submit comments by March 10. Consult the RA web site <<http://www.abc.net.au/ra/default.htm>> for further info. You can also write to **Radio Australia** at GPO Box 428G, Melbourne, VIC 3001. The Melbourne Age site is at <<http://www.theage.com.au>> and The Sydney Morning Herald is at <<http://www.smh.com.au>>.

I'll have more on this whole issue of "short-wave downsizing" next month.

BBC World Service Highlights

(times indicated are for the Americas stream)

Documentaries

Seven Stages: A History of the British Theatre, The Missionaries and Letters

Home continue from February. Consult last month's column for details.

Omnibus looks at cross border child custody battles (9th/10th) and *The Last Jews of Cochin*, the story of an ancient Jewish community that has flourished on the Malabar Coast of Southern India (23rd/24th). **Omnibus** airs each Mon. @ 1430 and Tues. @ 0230 and 0630.

Light Entertainment

Just A Minute continues to challenge its panel to ad-lib for 60 seconds on esoteric subjects without pauses or repetition. The results are hilarious and you get to eavesdrop on their fun, but only 'til the end of the month, on Sun. @ 0130, Tues. @ 1030 and Wed. @ 1715.

Popular Music (Not Popular Enough?)

There are ominous rumors circulating on the Internet about a coming change to BBCWS schedules that significantly cuts popular music programming. My requests for clarification from the BBC were not answered by the time this column was prepared. Along with **Anything Goes** and **The Vintage Chart Show** which were highlighted in last month's column, possible casualties include **A Jolly Good Show** (Sat. @ 1215), **Andy Kershaw's World of Music** (Fri. @ 0730/1030/1830), **John Peel** (Sun. @ 1830, Tues. @ 1215), the three times a week **Multitrack** series (Mon./Wed./Fri. @ 2330), **Country Style** (Mon. @ 0445, Wed. @ 1430 and 2315), **Folk Routes** (Wed. @ 0030), **Jazz for the Asking** (Sat. @ 1715, Wed. @ 1030), **Jazz Now and Then** (Tues. @ 1130/ 1445, Wed. @ 0645), and various recurring series such as **World Ranking** (Wed. @ 1530, Thu. @ 2330). Reading between the lines, March's *BBC On Air* seems to hint that the latter five are the ones that are to be going, but at this point it is unknown whether their loss will be permanent or whether they will just join the ranks of other World Service "periodic" series sharing slots with other such musical series.

Drama and Readings

Saturdays, 2230: **Plays of the Week** include offerings timed to coincide with the **Seven Stages** series highlighted last month.

March 1: *The White Devil*, a Jacobean revenge tragedy first performed in 1612.

March 9: *The School for Scandal*, a comedy from 1777 satirising fashionable 18th century society.

March 15: *The Importance of Being Earnest* by Oscar Wilde.

March 22: *St. Joan*, George Bernard Shaw's biographical play about Joan of Arc.

March 29: *Look Back in Anger*, John Osborne's 1956 play that railed against the influence of the British privileged upper classes.

Tuesdays through Saturdays, 0445: **Off The Shelf** continues a serialized reading of *Changes* from last month, continues with individual short stories from the 6th through the 12th and concludes the month with *Red Dwarf: Infinity Welcomes Careful Drivers* by Grant Naylor (13th to 28th).

Mondays, 0130: **Short Story** continues with listener authored tales.

Classical Music

The Composer of the Month for March is Claude Debussy. His life and music are chronicled on Mon. @ 0630/1030/1715 and Wed. @ 0230.

International Recital concludes this month with the *Skampa Quartet* from Prague's Royal Academy performing Mozart and their compatriot Martinu (2nd) and *Spirit Talk Mbira* from Zimbabwe performing indigenous music on one of Africa's most celebrated traditional instruments, the mbira (9th). The program is broadcast live to the Americas on Sun. @ 1401, repeated @ 2115 and on Mon. @ 0715.

As a reminder, primary frequencies for North America at different times of the day are 5965/5975/6175/6195/9515/9590/9740/15220/17840.

On a closing note, in March's *BBC On Air*, Simon Spanswick in his Waveguide column states that, central to BBCWS Managing

Director Sam Younger's strategy to take the service into the 21st century is "research and development for a second English language World Service radio channel", which will be a 24 hour news service.

R. Netherlands Documentaries

(on Thu. @0053/0453 and Fri. @2353)

March 6th/7th—*From the Wireless to the World Wide Web*—Part 2 of 7 (50 years of Radio Netherlands)

March 13th/14th—*Andorra: The Mini State* (how does this nation of 55,000 people fit into the EU?)

March 20th/21st—*The Eleventh Insight* (New Age in the Netherlands)

March 27th/28th—*The Marshall Plan* (achievements and legacies after 50 years)

[Radio Netherland's frequencies: 5995 (at 0453)/6020 (at 2353 and 0053)/6165 (all times)]

Potpourri

Glenn Hauser, on his World of Radio program, reported that **Deutsche Welle** has rearranged some of its feature programming in its broadcasts to North America at 0100/0300/0500. Specifically, *Religion and Society* now airs Sun. @0335; *Mailbag* on Sun. @0135/0535; *Arts on the Air* on Mon. @0108/0308/0508; *Living in Germany* on Tues. @0132/0532; and *German Tribune* on Thu. @0132/0532. A new science program called *What's New* can be heard on Fri. @ 0132/0532.

Radio Sweden apparently (and unfortunately) has reduced its excellent listener contact program, *In Touch with Stockholm*, to a once monthly program now hosted by Nydia Hagstrom. It had been airing fortnightly on Sundays @ 1230/1430 and Mondays @ 0230 and 0330, alternating with the pop music program *Sounds Nordic*. *In Touch...* airs the first Sunday/ Monday of the month with the ubiquitous *Weekend* program occupying the third week. *Weekend* is produced by **Radio E**, a consortium of Europe's public international broadcasters, and the program airs on every one of them.

And congratulations to **HCJB** in Quito, Ecuador for its excellent on-site coverage of

that country's presidential impeachment crisis during a tense week in February. **HCJB** has always intelligently balanced its primary service as a missionary radio station with well-produced programming on more earthly concerns. It also has consistently treated its host country with great respect by using its transmitters to offer the world an accurate depiction of Ecuadorian and Latin American current events, history, music and culture.

March's International Holidays

(Special programs may air on some stations.)

1—**Heroes Day** (Paraguay); **Independence Day** (South Korea)/3—**Liberation Day** (Bulgaria); **Labor Day** (Western Australia); **Independence Day** (Morocco); **National Unity Day** (Sudan)/6—**Independence Day** (Ghana)/8—**National Day** (Syria/Libya); **International Women's Day** (Russia)/9—**Decoration Day** (Liberia)/10—**Commonwealth Day** (UK/Canada)/11—**Independence Day** (Lithuania)/12—**Renovation Day** (Gabon); **Youth Day** (Zambia)/15—**Day of the 1848 Revolution** (Hungary); **Two Trung Sisters Day** (Vietnam); **Pancho Villa Day** (Kulpsville, PA—"if one were to know...")/17—**St. Patrick's Day** (Ireland); **Canberra Day** (Australia)/18—**Day of Supreme Sacrifice** (Congo)/19—**St. Joseph's Day** (Spain, Italy, Malta, Costa Rica)/20—**Independence Day** (Tunisia)/21—**Benito Juarez Day** (Mexico); **Vernal Equinox Day** (Japan); **Independence Day** (Namibia)/22—**Arab League Day** (Jordan)/23—**Pakistan Day**; **Purim**; **Palm Sunday** /24—**Independence Day** (Philippines)/25—**Independence Day** (Greece, Argentina)/26—**Independence Day** (Bangladesh); **Arbor Day** (Spain); **Day of Democracy** (Mali)/28—**British Evacuation Day** (Libya); **Good Friday**/29—**Youth Day** (Taiwan)/30—**Easter Sunday**/31—**Easter Monday** (Bank Holiday/UK); **National Day** (Malta) (source: The 1997 World Calendar)

That's it for this month. Expect some experimentation over the next month or two as I get my feet wet. If you're coming to Kulpsville, look us up! Rich Cuff and I will be doing the "Easy Listening" session at 9 sharp Saturday morning. And we'll talk shortwave radio as long as you like (over the proper tuning oil, of course). Until then or April...

73, John



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60th Birthday Of First Commercial SW BC Station In Uruguay

February 19, 1997 marked the 60th anniversary of the first international, commercial station on shortwave from Uruguay. On February 19th, 1937 at 2100 local time CXA2, Radio Continental, signed on in Spanish from Montevideo with the slogan "La Voz Criolla del Rio de la Plata", with music, news, and advertisements.

The station was owned by "Senores" Racine, Caissiol, and the Bonifacino Bros. Later, a German-born person living in Argentina bought in. Mr. Alberto Fernandez was manager of the station. The transmitter was separated from the studio, at a site which belonged to a tile manufacturing company, named "Deus". The station's choice of frequency was at first criticized in an article published in "Cine Radio Actualidad", February 26, 1937. They said, "Transmissions on this wavelength will not travel well over long distances. They will never be received reliably. We are well experienced with all the stations that regularly use this range on the SW, mainly the Central American ones, which are seldom heard here". Anyway, Radio Continental's signals were reportedly well received in Europe. The output power was 5 KW.

A short time into WWII the owners were known to be sympathetic to the Axis countries. The station was included on the "Black List" and, as a consequence, the owners of the building revoked the lease. Mr. Racine and Mr. J. Schmidt, the German, were told to leave.

CXA2 came to its demise on August 5, 1942. The Montevideo newspaper "El Pais" re-

ported the next day that the Deuses advised the police that a great explosion was heard coming from near their home. The noise came from the little shack used by CXA2. Only the steel skeleton of the transmitter was recognizable.

Nothing remained from the station's bombing. The fire department said it was not an accident, because the electrical supply to the transmitter site was off. They believed a timer-controlled device caused the explosion, but they could not know the identity of the people that set that bomb. The mystery continues to be unresolved, sixty years later. (Horatio Nigro)

9650.1 Emisora Ciudad de Montevideo (9650) of Uruguay started a period of about a month of extended broadcasts into the first hours of UTC mornings on February 9th.. They cover the "Concurso Oficial de Agrupaciones Carnavalescas" which will elect the best artistic performances of various Carnival musical groups, traditionally linked with the soul of the Montevidean people. Of eminent popular roots, they are included in several categories: "murgas" (organized associations of singers with well based history, which focuses on parody and comical sketches of the main social/political facts in the past year. The choirs (of about ten persons) are traditionally composed by men, with their faces painted with vivid and happy colors, and a full display of colorful costumes. Also, there are drum beating performances of the "agrupaciones lubolas", with "candombe", which is the distinctive music that reflects the African tradition in Uruguay. When a Uruguayan has left his country, for

long years, to live and work abroad (they are about 300.000), in search of better economical stability for him and his family, his heart and memories usually will remain connected in a strong manner with this sort of tradition, which grew with him during his childhood and adolescence in his native country. The goal of this broadcaster is to bring the sounds of this cultural manifestation via shortwave to the Uruguayan communities living on

foreign countries. Live full broadcast of the artistic numbers are made, every night except on rainy days, direct from the "Teatro de Verano" ("Summer Theater") in Montevideo. The question is: how many Uruguayans living abroad own a SW receiver to follow these broadcasts, who were born in a country with almost no tradition with an International Radio Service. (Horatio Negro)

Radio Prague Special

Radio Prague have an A5 center-stitched, 28 page, 60th anniversary booklet printed in three colours on glossy art paper with a board cover. Beautifully type-set and well laid-out it describes the history of the station and its various language services throughout the period of review.

The past 60 years have been anything but easy for this Central European broadcaster—silenced for six years during World War II, followed by another 40 years—with a notable exception in the late sixties—by permanent conflict between the ruling ideology and courageous yet powerless journalists.

The forerunner of the tube manufacturer TESLA—"Elektra" transmitted experimental short wave signals on a 10-50 watt unit from their factory around 1923 and a British listener wrote to an early 1960's Prague DX programme saying he remembered hearing them.

Several attempts were made from 1924 onwards by the Prague-based Radiojournal Broadcasting Company to air international music programmes presented in English and Esperanto on medium wave which gave long-distance reception during the hours of darkness in those days. In 1926 Radiojournal launched the most powerful transmitter in Europe. This new 5 kW transmitter who's output equalled the combined power of all radio transmitters then operating in Asia began by testing with classical music across the Atlantic. The response indicated that the signal on a wavelength of 368 meters reached America loud and clear.

The construction of a SW transmitter at Podebrady was sanctioned in 1934 and the work was expedited as the political situation in Europe worsened. The first test by the 30 kW unit was during the night of 24 July 1936. The second test on 13 August 1936 lasted for 24 hours with foreign-language announcements interspersing gramophone records. Radio Prague, call sign OLR, commenced regular shortwave broadcasting at 0900 GMT on 31 August 1936. During the first year Radio Prague was on the air for 769 hours, more than six hours every day and the station received 4443 letters from across the world.

New languages were added and broadcasting hours extended until by 1939 Radio Prague was on the air for 19 hours a day. During the Nazi occupation Radio Prague remained silent although the transmitter was used for three hours a day to broadcast propaganda to ex-patriots living in North America.

The legendary "Calling All Czechs" message went out on 5th May, 1945. Prague was back on the air. Thereafter services in many languages were introduced, but by 1946 forced by economic consideration the half-hour format of the newly added languages was reduced to 15 minutes.

After the Communist coup in 1948 Czechoslovak Radio was nationalized to become a propaganda mouthpiece for Moscow. Even so, expansion continued apace with the [Bratislava] Velke Kostolany 100 kW facility being inaugurated in May of the following year. Litomysl [east of Prague] was inaugurated in 1955 with two 100 kW units and

a 300 kW medium wave transmitter, composed of two 150 kW units. Then in May 1956, two Tesla 100 kW short wave transmitters were installed at Rimavska Sobota [in Southern Slovakia, near Hungarian border]. During 1968-1969 the two Litomysl transmitters were replaced by five Tesla 100 kW units. This was followed by the replacement of the Velke Kostolany units with 100 kW Tesla units.

Then, with 1968 wind of change of the "Prague Spring" things seemed to be better, until at 0130 GMT on 21st August 1968, Radio Prague broke the news to the world that Warsaw Pact troops were invading the country. At noon the National Anthem was played during a bulletin of news during which submachine gun fire could be heard. About 20 people were killed during the battle for the radio station. Clandestine broadcasting followed for a short time. For the next 20 years Radio Prague was under strict Communist control.

From 1972 the famous Interprogram unit began broadcasting news, comment with plenty of music in five languages—Czech, Slovak, English, German, and French. This was achieved when two synphased aerials at Litomysl were rigged to enable the grouping of the 100 kW units to achieve 400- 500 kW power for the daytime broadcasts of the multilingual programme on 6055 kHz. Between 1979-1982 two 250 kW Soviet built transmitters were installed at Rimavska Sobota, followed later by two more.

With the collapse of the Iron Curtain in November 1989, Radio Prague returned to its pre-war signature tune, the fanfare from the New World Symphony by Dvorak played on a French horn. All foreign language broadcasts were suspended on 1st April, 1990 while the authorities took stock. Four 250 kW, seven 100 kW SW transmitters and two

medium wave transmitters had been in use by the communist authorities.

As Radio Prague International the station returned to the air on 7th May, 1990 with one 100 kW at Velke Kostolany, 2 x 250 kW at Rimavska Sobota, and 2 x 100 kW at Litomysl, plus the Interprogram transmitters in operation. From August that year, Litomysl commenced to carry Czech and Slovak services of RFE and from the end of the year one of Litomysl's 100 kW transmitters was used for the Czech Home service relay on 5930 kHz.

Radio Prague became the broadcasting service of the Czech Republic when the country split into two nations. During 1994 rising costs compelled Radio Prague to abandon three 100 kW outlets at Litomysl, and the one 100 kW unit at Velke Kostolany. This was followed a 1995 decision to abandon shared use of the 250 kW units at Rimavska Sobota, now in Slovakia, leaving just two 100 kW transmitters at Litomysl under Czech control in operation. It is these transmitters that carry today's programmes in Czech, German, Spanish, French, and English (12 half-hour slots a day). The Czech Home Service to Europe 0300-2300 (0400-2300 Sat & Sun) is now on long wave 270 kHz from Uherske Hradiste.

Quite a number of Czech Ham/DXers joined the World Communications Club of Great Britain just prior to and during the Prague Spring. Their memberships extended into the newly re-formed World DX Club but their enthusiasm quickly diminished under new communist administration.

Despite all Prague's financial troubles funds were found to produce a fine historical document which was used to compile this featurette. (Radio Prague, via WDXC Contact, Feb 1997)

Radio Marti

On Feb 4 the Miami Herald reported the US State Department Inspector General (IG) found, "a pattern of 'personnel mismanagement' including deficiencies in procedures for hiring, documenting duties and reassigning staff" at R Marti. The IG's office also

announced it is now conducting a review of Radio Marti's policies for ensuring that the content of broadcasts to Cuba adheres to U.S. government standards for objectivity and balance. (Via Joe Buch)

Grenada-Media/ Too Many Radio Stations With Too Little To Say

Source: Inter Press Service via Ulis Fleming

ST. GEORGE'S—Inter Press Service: More than 40 years after the first radio station aired its first newscast here, the eastern Caribbean island of Grenada is experiencing what many are calling a virtual media explosion.

But with eight radio stations already broadcasting and another three scheduled to hit the airwaves before the end of the year, two television stations and a third in the making, a private cable TV service and four weekly newspapers, many are beginning to question the sustainability of so many communication outlets in the 344 square kilometer island, whose population is less than 100,000.

"I think some of them will fall by the roadside because there isn't the market to support them financially and broadcasting is a very expensive thing," says Jerry Romain who has been in the business of broadcasting for the past 25 years.

There are just too many radio stations with too little to say, says another observer.

In such a situation, says Romain, programming will make the difference between those which survive and those which are forced out of the market.

The first radio station was opened in Grenada in 1952. One year later, the Windward Islands Broadcasting Service (WIBS) began transmitting news and current affairs programs to all the islands. But as the islands were at that time also seeking independence from their colonial masters, each moved to establish its own broadcasting service.

"Now there is a proliferation of stations and one hears talk of a large number of new licenses being issued and a number of those stations are now on the air," says Ray Smith, former president of the Caribbean Broadcasting Union (CBU).

Smith, a former acting manager of WIBS, says with so many radio stations competing with each other for limited financing, few will be able to excel. Funds for hiring experienced and professional people will not be available since there simply won't be enough advertising dollars to go around.

The same concerns were expressed some four years ago with the expansion of the media in Trinidad and Tobago and Jamaica and there were cries then that too many communication outlets were chasing too few advertising dollars.

In 1991 the Trinidad and Tobago government granted 23 broadcast licenses—12 for television and 11 for radio—to private entrepreneurs.

Between 1991 and 1993 the country moved from one to three television stations, from three weekly newspapers to eight and from two radio stations to five, while cable television, privately owned like many of the radio and television stations, began reaching an increasing number of homes, and satellite dishes sprouted in the more affluent suburbs.

Jamaica, which had just two radio stations in 1989, now has eight. The more than 160-year-old Daily Gleaner is now facing competition from the Jamaica Observer, a weekly tabloid which hit the news stands in 1993.

The Jamaica Broadcasting Corporation (JBC) which held the monopoly on television broadcasting since the entry of that medium into the region in the 1960s is now facing competition from another privately-owned television station which hit the airwaves in 1993.

But the increase in media outlets in Grenada is being hailed by the Keith Mitchell administration, which has been accused of censorship in the past, especially at the state-owned Grenada Broadcasting Corporation (GBC).

"The evidence will show how open we are to the media and the commitment to give the public every opportunity to express themselves," says Mitchell.

Last year "political victimization, muzzling the press and interfering with freedom of expression," became common phrases in the vocabulary of many Grenadians.

Mitchell's New National Party (NNP) was accused of replacing hard-working employees at the GBC with persons aligned to the party. Mitchell fired back stating that the press in Grenada is as free as anywhere else.

"It's rather strange to hear that this government is being accused of curtailing press freedom which is clearly far from the truth," he said then.

Marconi Memorabilia

The Feb 10 issue of US News & World Report, page 55, says that GEC-Marconi, the British defense contractor, is auctioning off "the archives of wireless communications pioneer Guglielmo Marconi" through Christie's auction house in April. The report indicates that the auction is expected to bring on the order of \$1.5 million. The items are said to include "original patents and equipment, and messages to and from the sinking

Titanic". Christies does have a Web site at (<http://www.christies.com/Christie.htm>) and it turns out you can order catalogs from them on-line or by phone. Prices for catalogs seem to run anywhere between 5 pounds U.K./\$8 U.S. to 26 pounds U.K./\$45 U.S. You won't find the Marconi catalog there as yet though, but it is expected to be published sometime in March. (Source: USN&WR and internet postings via Joe Buch) 

FRENDX: Twenty Five Years Ago....

Dan Ferguson published Frendx as alternate-alternate-publisher with Bill Eddings hospitalized once again and Ed Shaw unavailable due to vocation. Consequently, the Board of Directors elections were postponed. Many stencils had to be re-typed by Dan to enable the first offset print Frendx hit the streets in March. Ralph Perry's Shortwave Center column featured an article about Radio Vila written by John McNeil of the New Hebrides Broadcasting Service while "Joltin' Gerry Dexter" describes his long battle to verify the Burma Broadcasting Service. Gregg Calkin's QSL Report reflected the first QSL's from Radio Nederland at Talata, Madagascar.

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Next a REUTER item that is via DEVMEDIA and Don Moore

Serbian independent radio news jammed

By Peter Grete

BELGRADE, Nov 28 (Reuter) - The only independent radio in the Serbian capital Belgrade said its news programme was repeatedly jammed on Thursday amid a wave of opposition street demonstrations.

The interference came at the height of opposition protests against the annulment of results of local elections which the opposition coalition Zajedno (Together) claimed widespread victories.

"Our signal has been jammed all day," journalist Aleksandar Vasovic told Reuters. "Everything is okay as long as we broadcast music but as soon as we begin the news programme they start jamming us."

"We still don't know who is jamming us but our technicians strongly believe someone is using a smaller transmitter which is set on our frequency."

B-92 is the only independent radio station in Belgrade and one of a handful in all of Serbia. The radio is one of the few local media organisations providing extensive coverage of opposition demonstrations.

The Paris-based press freedom organisation Reporters Sans Frontiers wrote to the Serbian Information Minister Aleksandar Tijanac saying "the defence of B-92 is of paramount importance".

"Reporters Sans Frontiers therefore demand that you ensure that B-92 is in no way disturbed or obstructed on the part of the authorities or their supporters," the letter said.

The U.N. Special Rapporteur for Human

Rights Elisabeth Rehn issued a statement on Thursday calling on Belgrade to refrain from "taking any measures restricting freedom of the media".

Some B-92 listeners said they could hear the news programme in a few positions in the city, but the majority of its audience were unable to hear news broadcasts.

Vasovic said was it an attempt to silence one of the country's few independent media voices. "This has a clear political context. They are trying to prevent people from hearing what's happening on the streets."

The station said it could still send its news programme to a few stations in other towns by telephone link but staff were concerned that the authorities may cut the lines.

The station has been a thorn in the side of the Socialists in the past, giving a platform to political opponents otherwise ignored by the state-controlled television and radio.

Socialists closed the station in 1991, when police occupied its offices and kept it off the air for less than 24 hours. Authorities have denied B-92 a broadcasting license and have limited the station to a weak signal that cannot be heard beyond Belgrade.

The jamming coincided with reports that authorities were putting pressure on other independent media.

Editors at the new independent daily Blic, which gave the protests front-page coverage, said the state-run printing works had pressed the paper to cut its circulation down from 200,000 to some 80,000 due to "technical difficulties".

Listener's Library

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Writing this column is a neat gig. I get to immerse myself in some of the best books on the radio hobby. There are many great books out there and more coming along all the time. But this months offerings stand out even above the normally interesting crowd.

I've probably spoken praises for Fred Osterman's modest but valuable book *Shortwave Receivers Past and Present*. The First Edition of this book has traveled in my back pocket to dozens of hamfests as I feed the monkey on my back for fine old receivers. Well I figured things were about as good as they were going to get. And then a package came in the mail and I was totally blown away. Fred has done it again and he's better than ever folks!

SHORTWAVE RECEIVERS PAST & PRESENT

Communications receivers 1945-1996

Second Edition

by Fred Osterman

350 Pages

\$19.95

Universal Radio Research

6830 Americana Parkway

Reynoldsburg, Ohio 43068

ISBN 1-882123-06-09

I should start out by telling Fred that my wife is really angry with him. The reason is that once I started looking through this book I didn't do doodly around the house for three days!!! I just kept turning the pages and getting goosebumps. I must say that there were pages in this book that made my eyes damp. I even put off writing this column because every time I picked the book up to tell you about it I got caught up in its pages again.

I have never seen such a comprehensive collection of receiver information in my long

hobby career. This edition goes well beyond the simple tool of a price list for hamfest hunting. This book is a celebration of all the technology we shortwave folks hold dear. It is billed as a reference for the radio collector but I see it as more than that. It is the ultimate resource for the shortwave radio lover.



When I was beginning to discover radio as a hobby, I used to dream of owning many of the receivers listed in these pages.



Okay let me get the business end out of the way so I can get on with my excitement. The second edition is many orders of magnitude beyond the first. Fred has compiled information on over 500 receivers for 70 American and international manufacturers with further documentation on about 400 variants. Each entry includes data on receiver types, the dates sold, a photograph, size and weight, features, reviews in magazines, specifications, new and used values, variants, value rating and availability. With this information alone the book will be prized and utilized by collectors in our hobby. But this book has even more value for the rest of us.

For me the book was a trip down memory lane. Back in the early sixties when I was beginning to discover radio as a hobby, I used to dream of owning many of the receivers listed in these pages. Turning page after page and remembering the fun of those days was well worth the cover price. Anyone who has joined the hobby at any point since World War II can share in this experience.

All the standards can be found in this book. Allied, Collins, Drake, Hallicrafters, Hammarlund, Heathkit and the more modern Kenwood, Sony Yaesu and even Watkins-Johnson. But do you remember Gonset, Davco, Mosely (yes they made something other than antennas), Eico and Eska? How about the Yaesu FRG-7 marketed by Sears? The complete history of receivers for our hobby is in this book. But things go even further. There are dozens of companies that have been quietly marketing receiver to the military, commercial and diplomatic circles without ever giving a thought to the hobbyist. The first company to break this mold was Watkins-Johnson. Companies like Transworld, Marconi, Mackay, Cubic and Dansk Radio, even folks that were once on the other side of the Iron Curtain such as Videoton-Mechlabor have been pumping out receivers for years that most of us never heard of but would probably out perform anything we have in our shacks (with prices to prove it). Fred has thoughtfully included complete information on even these receivers. Hey, you never know what is going to show up on the surplus market these days. I also got an education on some equipment I only had heard of in passing such as Eddystone and Skanti.

A neat feature is Chapter 80 "Receivers That Never Were". Here many prototypes and engineer's dreams can be found such as the Collins 51-J5, the Hallicrafters SX-112 and the Grove SR-1000.

I don't want to forget to mention that the book also includes Fred's sage advice on buying used gear as well as repair and restoration.

Fred Osterman has done the hobby a great service by bringing this book together. It belongs in the collections of anyone who ever got goosebumps thinking about a shortwave radio.

A few issues back I reviewed the latest Passport to Worldband Radio. In that review I made mention that more than passing interest was given to radio programming over the Internet. Well little did I know that Larry Magne had more to offer until yet another package came to my door.

1997 PASSPORT TO WEB RADIO
Really Cool Wired Sounds from all over the world.

Edited by Lawrence Magne

144 Pages

\$19.95

International Broadcast Services Ltd.

Box 300

Penns Park, PA 18943

ISBN 0-914941-44-5

I must admit this book ran me through the gamut of emotions. At first I got worried that this whole notion of Internet radio was going to have a negative effect on the hobby. But then I realized that Larry has been a force in getting all kinds of new people interested and aware of the shortwave hobby over the years. Web radio is not necessarily about being a substitute for the traditional radio hobbies. Instead it may serve as a way to expose a whole new group of people to the fun we have been having for years. Larry's first effort in this area sets the standard as usual.

Larry presents the subject of Web Radio in easy bite sized bits that even a novice computer user can understand. He goes over all aspects of the hardware and further explains the current state of the art in software, mainly RealAudio and StreamWorks. The book spends many pages helping the user get his system running as is should to enjoy the real point of the book, hearing radio signals from around the world by way of the Internet.

Frankly I was unaware of the vast number of radio stations in the United States and abroad that have taken up broadcasting over the World Wide Web. Magne's book compiles literally hundreds of stations that can be heard by anyone who wants to listen. Each station is listed including its content and contact addresses. The book's layout is similar to Passport to Worldband Radio including the many colorful pictures and features. It is clear that this is no mere technical fad. Web Radio is here to stay and those of us who prefer our radio "wireless" instead of "wired" need to come to terms with what is going on. Larry's latest book is a good education and point of departure for this growing technology.



Equipment Reviews

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The Drake SW1 Shortwave Receiver

The SW1 is a new no-frills receiver from the R.L. Drake Company. At first glance, the SW1 appears to be the same as the PRN-1000 radio that was distributed by the People's Radio Network a couple of years ago. Closer scrutiny reveals some differences in features. The SW1 has a RF Gain control in place of the PRN-1000's Tone control. The SW1 has 32 memory channels and the Store/Recall pushbuttons take the place of the one-button WWV reception and last-tuned frequency recall buttons on the PRN-1000. Apparently, the PRN-1000 had an S-meter display, which is lacking on the SW1.

A Basic Radio

The SW1 is designed for reception of AM mode signals only and does not include a BFO for reception of Ham or utility signals. This type of design harkens back to the Drake SW-4A receiver, which was a AM-only SWBC receiver introduced by Drake in the late 1960's. The SW1, despite its lack of extras, is thoroughly modern in design. It features dual conversion (IF's of 45 MHz and 455 kHz), microprocessor control, frequency synthesis and keypad frequency entry. It comes with an AC wall adapter or can be powered by a 12 volt DC power source capable of supplying approximately 400 mA. There are no provisions for an internal battery supply. An external antenna is required and both screw terminals and a SO-239 connector are provided for the antenna connection. The rated input impedance for either antenna connection is 50 ohms. A 30 foot length of wire is supplied with the radio for use as a basic antenna. The SW1 is a compact 10 7/8" x 4 3/8" x 7 5/8" (WxHxD) and weighs in at 4.7 lbs, including the supplied AC adapter.

The SW1 covers 100 kHz to 30 MHz with no gaps. The tuning steps are 1 kHz via the keypad or main tuning knob and the Up/Down tuning buttons change the frequency in 5 kHz steps. There is some audible "chuffing" as the receiver is tuned via the main tuning knob, although I prefer this to receiver muting during tuning. Keypad entries are made in kHz format without a decimal point. Frequencies below 10,000 kHz require that the "Enter" button be pressed to tune to the frequency—above that frequency the radio tunes to the new frequency when the fifth digit of the desired frequency is entered.

The SW1's 32 memory channels come pre-loaded from the factory with various frequencies for international broadcasters. These can easily be changed to suit user's preferences. Once the memory mode is selected, the desired memory channel can be selected by using the keypad or the channels can be scrolled through with either the Up/Down buttons or the tuning knob.

That's about it for controls—there's a RF Gain control to reduce overloading on strong signals and a two step dimmer switch for the large, easy-to-read yellow-green LED display. The approximately 3 inch diameter speaker is mounted behind a grille on the front panel. The basic nature of the radio is also apparent on removing the metal cabinet—there is a single printed circuit board for the RF circuitry and another for the display and front panel controls. The RF board is well laid out and the use of integrated circuits for such things as the final IF and detector help keep the parts count (and cost) down. There's plenty of room inside the case for such add-ons as a BFO or Kiwa filter modules. No schematic is supplied with the SW1.

Surprising Performance

This radio produces very pleasant audio output and is surprisingly sensitive to weak signals. I even did some tropical band listening with it! I was not bothered by the synthesizer chuffing during band-scanning, since I was tuning rather slowly. I used the radio with full-size outdoor antennas and could detect no significant overloading. I did tend to keep the RF gain control set towards minimum rather than maximum, however. During the review period, the SW1 was the radio of choice for listening to major broadcasters due to its pleasant sound. It is a very simple radio to operate—just punch in the desired frequency and adjust the volume.

The weak point of the SW1 is selectivity. The manual rates the selectivity of the final IF at 5.5 kHz minimum at -6 dB. This is an optimistic rating, to judge by the performance of my set. For example, I was listening to "DX'ing With Cumbre" via WHRI one Sunday morning—the signal was weak, but just as copyable on the SW1 as on any of my other receivers. However, there was audible splatter from a station 20 kHz lower in frequency. That evening, I was checking for reception of the 0200 broadcast from Radio Canada International on 9755 kHz. Well, there was a very readable signal at that dial setting, but it was HCJB on 9745 kHz. HCJB's

signal was still there (but not copyable) even with the RF Gain control turned to minimum.

Who Is This Radio For?

In light of the selectivity performance, I am certainly not going to recommend the SW1 as a primary receiver for the dedicated DX enthusiast. However, it would make a very good second receiver for use away from the main shack, such as at the bedside, etc. I think the SW1 really shines as a radio to introduce newcomers to shortwave listening. It is very easy and non-intimidating to operate and sounds good. The SW1, coupled with up-to-date broadcast schedule, would make it easy for a newcomer to get enjoyable results, unlike the old "string and pointer" analog receivers of the past. The five kHz step Up/Down tuning buttons make it simple to bandscan within the international broadcasting bands.

The SW1 lists for \$299, but at the time of this writing (February 1997), the radio is being offered at significant discounts. It is a basic radio in terms of features and controls but it offers decent performance and a high level of quality for the price. More information can be obtained from the manufacturer, R. L. Drake Co., 230 Industrial Drive, Franklin, OH 45005; (513) 746-6990. Thanks to Universal Radio for providing the review unit.

The SGC Powerclear DSP Filter

This new product from SGC, Inc. is proof that good things come in small packages. The PowerClear is a 4 x 6 1/2 x 2 inch (HxWxD) box that provides a full range of digital signal processing for any receiver. A mounting bracket is included so the PowerClear can be used in mobile applications. SGC has over twenty-five years experience producing commercial and military single sideband communications equipment.

What Does It Do?

The PowerClear is designed to enhance reception of radio signals by filtering the audio output to reduce or eliminate noise and interference. The PowerClear does this with DSP, digital signal processing, in which the ana-

log audio signal from the receiver is converted to digital data, manipulated and then converted back to analog and passed to an external speaker. I won't go into the theory of DSP here, but SGC includes a 48 page booklet with the PowerClear that is an excellent treatise on the subject.

The PowerClear includes all the types of DSP that can be found in some of its competitors products. One mode is ADSP, Adaptive Digital Signal Processing, that provides wideband noise reduction of white noise and static crashes. Another mode is SNS, Spectral Noise Subtraction, in which the unit dynamically constructs bandpass filters to pass the intelligible portions of a signal and reject the rest. The PowerClear also includes

variable low-cut and high-cut filters which can be adjusted in 100 Hertz steps between 100 Hz and 3100 Hz. Once the upper and lower frequency limits are set, the center frequency can be continuously adjusted with a front panel knob. The PowerClear provides a notch filter as well, which can attenuate up to five separate tones from 0 to 4000 Hertz by up to 40 dB. These various signal processing modes can be selected and used in any combination.

The PowerClear includes a two inch speaker mounted on the front panel, which is driven by a separate 0.5 watt amplifier. This is primarily included for monitoring purposes - for any extended listening a larger outboard speaker is desirable. The external speaker output is driven by a separate internal 5 watt amplifier. The PowerClear can be driven by a radio's external speaker output or by a line level output. Both speaker and line level outputs are available. The PowerClear requires an external source of 13.6 volts DC for operation.

Graphical Interface

The unique feature of the PowerClear is its graphical display. Two thirty segment LED bargraphs show the selected high and low cut corner frequencies, as well as the resulting passband. The Display shifts to show the effect of adjusting the center frequency control. The bargraph is also used to set the input level and show the level of Spectral Noise Subtraction that has been selected.

Another outstanding feature of the PowerClear is its ability to store various combinations of filter selections and settings. There are eight preset filter configurations for voice (Wide, Medium and Narrow), CW, Amtor, Sitor, Pactor and Automatic Link Establishment. There are provisions for storing up to seven user-defined filter configurations. Any of the memory configurations can be recalled by pressing a button and rotating a knob.

Performance

The use of DSP has set a new standard of performance for outboard audio filters. This

technology not only provides extremely sharp filters for high and low frequency interference rejection, but it provides active noise rejection of broadband noise sources as well as automatic notch filtering of single tone interference.

The PowerClear performs all of these functions very well. The noise reduction mode, ADSP, worked exceedingly well. It reduced the hiss and crackle that almost always accompanies shortwave signals to inaudibility, without making the signal excessively "artificial" sounding. The SNS function provides additional noise and interference reduction, although it tends to make the signal a little more unnatural sounding. The level of the SNS effect can be varied to provide the best balance between noise reduction and fidelity. The notch filter worked as advertised and the graphical display was useful for resetting the filter parameters as well as providing additional feedback on the effect of varying the bandpass filter's high, low and center frequencies. The audio amp provided plenty of power for an external speaker. There were only two negatives I noticed about the PowerClear. One was that the setting of the audio level from the receiver sometimes needed to be readjusted when switching from one mode to another to avoid distortion. The other was that there was an occasional "pumping" effect when the ADSP noise reduction mode was used on rapidly fading signals - this seemed to be due to the very rapid response of the filtering circuitry which works to reduce noise between words.

The SGC PowerClear provides outstanding capability in a very compact package. The appearance and construction are of the highest professional standards. In addition to the previously mentioned DSP primer, there is a detailed 27 page instruction manual included with the unit. The suggested list price for the PowerClear is \$395 and it is available from most Ham/SW dealers. SGC can be reached at: SGC Inc., SGC Building, 13737 S.E. 26th Street, P.O. Box 3526, Bellevue, WA 98009. Telephone numbers are (206) 746-6310; (800) 259-7331; FAX (206) 746-6384 or 746-7173. E-mail: SGCMKTG@aol.com. WWW: sgcworld.com.



Listener's Notebook

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ANGOLA *Voice of the Resistance of the Black Cockerel* (VORGAN), sked in Portuguese and local languages:

0440-0900 9750
1100-1430 11830
1655-2100 6095

(BBCM & Hill)

11954.8 *R. Nacional de Angola* 2247 Technopops and unreadable echo-echo-echo announcements in Portuguese. At 2300, into fast-paced news program with remotes, sound bites, etc.; no formal IDs caught, though several mentions of *R. Nacional* and one of *Huambo*. Everything in the hyper VORGAN programming style, which seems to be all the rage in Angola and Mozambique nowadays. Fair here, very poor on // 4950.1, and completely unreadable on 3374.9. I believe 25mb channel has been off for quite a while, no? (8-Feb/Hill) [First report of it I've seen in ages - AQ]

ANTARCTICA 15476 LRA36 *Radio Nacional Arcangel San Gabriel*, from Feb 3 again is active in the new time of 1900-2100, the last 20 minutes are in English and French, heard on Feb 3 during the first day of reactivation by Raymundo Cruz and Walter Tomarelli. (Barrera-ARG) ID in EE at 1959, 2032 and 2048 as "This is LRA36 Broadcasting Station Arcangel San Gabriel broadcasting from Esperanza station in the Antarctic land of San Martin, Antarctic peninsula, in the frequency of 15476 khz AM, at 63 degrees 24 minutos South, 56 degrees 59 minutos West. If you want to receive your QSL card, please send your listening report to LRA36 Arcangel San Gabriel broadcasting station, with code 9411, Esperanza station, Tierra del Fuego, Antartida e Islas del Atlantico Sur, Argentina. Not forget include a post stamp" (Barrera-ARG)

ARGENTINA 4800.54 *R. Armonia*, 1052-1123, folk mx pgm ID at 1128 as "Radio Armonia" by M announcer. (24-Jan/Barrera-ARG)

AUSTRALIA The future of *Radio Australia* appears bleak. A government-commissioned report into the operations of the Australian Broadcasting Corporation [ABC] has recommended that the overseas ser-

vice be closed down. The report's author, Bob Mansfield, says the ABC should put more emphasis on domestic Australian radio services.

Australian Communications [and the Arts] Minister, Richard Alston, says the government hasn't made a decision to close Radio Australia and that it's up to the ABC to decide that.

A spokesman for the community and public sector union, which covers Radio Australia employees, Nigel Holmes [phonetic], says if the recommendation is adopted it will be seen as Australia turning its back on its Pacific neighbours. (RA/BBCM)

The Australian Federal Government was further embarrassed yesterday when the largest recipient of Australian aid, Papua/New Guinea, offered to help rescue Radio Australia. PNG Prime Minister Sir Julius Chan offered to have \$1 million deducted from the Australian aid budget if it would help ensure the services survival. "Radio Australia is the voice of Reason in the region" Sir Julius said. (Melbourne Herald/Sun Feb 5.1997) People are being urged to Email or Fax The Hon. Alexander Downer MP (Australian Foreign Minister) FAX: +61 6 273 4112 Email: minister@dfat.gov.au as well as Senator Richard Alston, Minister for Communications & The Arts. FAX: +61 6 273 4154 Email: minister@dca.gov.au (Barclay/Cumbre)

BAHRAIN *R. Bahrain* according to an undated QSL letter, the station plans to resume shortwave transmissions. (Schweikert/DSWCI/Johnson/Cumbre)

BOLIVIA

4599.34 *R. Em Villamontes*, Tarija noted with Saturday sign on time of 1014 carrier and 1022 audio opening ancmnts, quickly into flutes. This on 2/8. On the weekday of 2/6 *0940 with similar pgming except not the gap between carrier on and the initiation of the days program. (Wilkner/Cumbre)
4926.6 *R. San Miguel*, Ruberalta; 0014-0042 nx ID "Continuamos informando a traves de Radio San Miguel..." (30-Jan/Arrunategui-PRU)

BRAZIL Recent and heavy summer rains have damaged the 25 m-band antenna of *Radio Aparecida*, increasing the SWR. They have decreased the power to 500 W to avoid injuring the transmitter, but the 11855 channel is still on the air (I can hear its weak signal here in Lorena, 11 miles from Aparecida, with a Sony 7600 G using no external antenna). The present priority at the station is setting up a new studio and not the antenna, also because the rains make this job more difficult. By the way, they are allowed (by Ministry of Communications) to use 7.5 kW on 25 m, but the transmitter provides only 1 kW. That's why the PWB lists 7.5 kW and the WRTH lists 1 kW. Info provided by phone by Mr. Savio Trevisan, Engineering Dept. Manager. (deCastro-BRZ)

Summer time in Brazil ended 22-Feb. At that time, stations in the south, southeast, and in some states of north-east turned -1 hour (from UTC-2 to UTC-3). (daSilva-BRZ)

BRUNEI After an absence of several decades, *Radio TV Brunei* hopes to return to SW in the not too distant future. An international shortwave service is planned and this project is about to be put out to tender for the transmitters and antennas to be built. (The above is not a hoax. I learned it from the chief engineer at BFBS Brunei) (van Delft/Dx Window/Cumbre) {Sheesh...why so defensive? -AQ}

CAMBODIA Fair to good signals from the only Dom Sce outlet 6089.9 at 1130 past 1230. Mostly Khmer talks and music. Again hrd around 2230. (Goonetilleke-SRI)

CHILE 6090.0 R. *Esperanza*, Tenuco; 0508-0555 ID "Radio Esperanza desde Chile en su frecuencia internacional de onda corta y FM 106.9.. llámenos al telefono 240161 "programa Descendados (religioso) ID "Radio Esperanza que transmite en su banda de 49 metros, en su frecuencia internacional y FM 106.9, desde Tenuco, Chile... les avisamos que estamos con un fuerte viento a esta hora, cuando ya faltan 5 minutos para las 3 de mañana..." (1-Feb/Arrunategui-PRU)

CLANDESTINE-ASIA *Voice of the Great National Union of Kampuchea*. The radio of the Provisional Government of National Union and National Salvation of Cambodia the Cambodian clandestine station operated by the Khmer Rouge is now on 5405 kHz drifted down from nominal 5407v. fair signals at 1200 soff at 1330. (Goonetilleke-SRI)

The black Clandestine anti *KNU Karen National Union* station run by the Myanmar authorities is off and has been for more than a month. The last known schedule was 0030-0130, 0530-0630 and 1030-1230. The station operated in the Karen language and also carried material broadcast by the VO Myanmar as well. (Goonetilleke-SRI/UADX)

Voice of Kashmir Freedom (Urdu: "Sada-i-Huriyat-i-Kashmir") is opposed to Indian control of part of Kashmir. It is sometimes referred to by other sources as Voice of Independent Kashmir. The station was first heard by BBC Monitoring on 7th February 1991. At the time it was reported to have started regular broadcasting on 2nd February 1991 after a period of tests. It is assumed that the station operates from Pakistan or Pakistani-administered Kashmir. It has announced an address of PO Box 102, Muzaffarabad, Azad Kashmir, via Pakistan.

0230-0330	Urdu	6300 5750 5300
0830-0930	Urdu	6300 5300
1530-1730	Kashmiri	6300 5300 4116

(BBCM)

CLANDESTINE-MIDEAST *Voice of Mojahed*, all programs in Persian:

0300-0700	7550v 7225 7070v 6450v 6175 5450v 5150v 4650v 4450v 3850v 3550-v
0700-0900	6175
1500-1700	6175
1700-2100	9430 7070v 6450v 6175 5750v 5450v 5150v 4650v 4450v 3850v 3550v

(BBCM)

Voice of the People of Kurdistan, programs in Kurdish & Arabic: 0400-05004117v(4100-4150)

1000-1100	6015v
1500-1600	4117v(4100-4150)

(BBCM)

CLANDESTINE-RADIO FREE ASIA *Radio Free Asia* began services to Burma and Vietnam in February. Sked:

0030-0130	Burmese	5940 7455 7515
1400-1500	Vietnamese	5950 7490 7520
1500-1600	Burmese	7490 7540 9440
2230-2330	Vietnamese	5990 7415

(HCJB/BBCM)

Radio Free Asia is technically a private corporation but is funded by about 10m dollars a year in federal government grants—the US federal govt. (HCJB DX Party Line/BBCM/EDXP/Padula) [But our overseas friends should keep in mind that U.S. taxpayers were not consulted re the need/funding arrangements for this dubious enterprise. -AQ]

COLOMBIA H3100 *HJZI* 1103-1120 w/ anmts, maybe nx. Nicely faded up to semireadability for ID at 1109 w/ "...desde Bogota, HJZE ?? kilohertz, amplitud modulada..." Yes, call clearly sounded like HJZE, not HJZI (i.e. the English "A" sound, not "E") 2x1550 harmonic. The Bogota stn has been reported here several places, incl TBL. (4-Feb/Moore/Cumbre)

6035.0 R. *RCN*; 1218-1242 nx ID "RCN en la noticia..." nx ID "Gran temporada en Medellin por RCN" (25-Jan/Arrunategui-PRU)

CONGO 9610 *RTV Congolaise*, Brazzaville at 1236 in English News Review, plenty of items re Congo, Vern. songs at 1243. Good signal. (25Jan/Stejn/Cumbre)

CYPRUS (NORTHERN) 6159.0 *Radio Bayrak* in EE and Turk. at 1825-2201* UT with mostly international and Turkish pop songs and short announcements all the time, shortly before s/off at 2201 UT I finally heard their definite ID as "...Radio Bayrak transmitting on 87.8 and 105 FM..." weak but readable despite heavily overmodulated sound; this reactivation certainly is connected to the political problems both sides on that island currently have with each other. (missile crisis!) (tnx tip in BCDX!) (28Jan/Kuhl/Cumbre)

6158.45 *Radio Bayrak* (strongly suspected), 2150-2202:45*, moderate carrier, building slightly towards the close, albeit no definite audio due to adjacent channel slop. Reports from Europe have this reactivated station (off since about 1993, I believe) closing at 2201 and 2203. (31-Jan/Clark-CAN)

According to an E-mail response from Bayrak Radio Head of the Transmission Dept, Mustafa Tosun, the Bayrak SW transmissions are on 6150. "However, 6159 and 6160 are also being tested for evaluation from time to time. Detailed reception reports will be appreciated." Mustafa Tosun's E-mail address is <brt@cc.emu.edu.tr > (Henderson/NU/EDXP/Padula)

DOMINICAN REPUBLIC *Radio Barahona* was heard Jan 15th at 0130 past 0300 on 5160 kHz with a fairly strong but distorted signal and subject to utility interference. ID at 0300 included mention of "onda corta" (short wave) and this is not a harmonic as the medium wave outlet is on 1240. (Don Moore in Numero Uno)

ECUADOR

3360.0 *R. Voz del Upano* (t); 1135-1213 mx pasillo, program "Clases sobre geometria" (29-Jan/Arrunategui-PRU)

4779.3 *R. Oriental*, Tema. Macas; 1105-1132 ID "A traves de Radio Oriental, desde la provincia de Tema, Macas" nx ID "Radio Oriental con sus dos frecuencias 4780KHz y 96.3 FM Interoceanica..." (25-Jan/Arrunategui-PRU)

5050.5 *Jesus del Gran Poder* (t); 0738-0810 mx romanatica LA, w/regular QRM. (26-Jan/Arrunategui-PRU) 5050.5 *R. Jesus del Gran Poder*; 2335-0007 nx, ID "A traves de la internacional Jesus del Gran Poder..." (12-Feb/Arrunategui-PRU)

ERITREA *Voice of the Broad Masses of Eritrea* ID in Arabic: "Huna Asmara, Idha'at Sawt al-Jamahir al-Iritriyyah". ID in Tigrigna: "Ezi Kab Asmara Zeme-halalef Medeber Radio Demtsi Hafash Eritrea Eyu". ID in Amharic: "Yeh be Asmera ketema yemigege

yesifw yeritrea hezeb demts yeamarigna agelgilot new".

0300-0400	Tigrigna	7085 5000 Mo-Fr
0400-0500	Tigre	7085 5000
0500-0600	Tigrigna	7085 5000 Sa/Su
0930-1030	Tigrigna	7085 5000
1200-1300	Tigrigna	7085 5000 Sa/Su
1500-1600	Kunama	7085 5000
1600-1700	Tigre	7085 5000
1700-1800	Tigrigna	7085 5000
0300-0400	Arabic	7390v 4000
0930-1030	Arabic	7390v 4000
1600-1700	Afar	7390v 4000
1700-1800	Arabic	7390v 4000

(BBCM)

ETHIOPIA *Radio Ethiopia* latest sked: relay domestic service in EE Mon-Fri 1030-1100 5990,7110,9705; external service in EE daily 1600-1700 7165,9560,11800 (9-Feb/RVI/van Oudheusden/EDXP/Padula)

9560.2 *R. V. of Peace* 1908 Man in Somali plus lots of typical Horn vocals and instrumentals. At 1959, announcement in English by woman: "You have been listening to a Somali program produced by Radio Voice of Peace from the External Service of Radio Ethiopia. We shall be on the air again tomorrow in the 25- and 31-meter bands with programs produced by Radio Voice of Peace. Thank you for listening." Carrier off at 2000. Quite strong, with occasionally fuzzy audio. Unlisted transmission, so apparently new or retimed. (25-Jan/Hill)

11800.4 *R. V. of Peace* 1921 Horn instrumental and Somali talk; in clear and quite strong but with fuzzy, phone-quality audio. QRM'd on // 9560.2. (1-Feb/Hill)

Voice of Oromo Liberation ("Sagalee Bilisumma Oromoo", SBO) which currently broadcasts on 9870 kHz from 1600-1700 on Mondays, Wednesdays and Saturdays, announced in its program on 20th January that, effective 1st February, it would broadcast on 9930 kHz instead of 9870 kHz, at the same times. (BBCM)

GUATEMALA 4799.8 *R. Buenas Nuevas*; 1110-1130 religious program, ID "Radio Buenas Nuevas, transmitiendo en elos 4800KHz banda internacional de los..., desde San Sebastian, Huehuetemango..." (29-Jan/Arrunategui-PRU)

GREECE Radio Station Macedonia program, in Greek:

0600-0800	11595 9935 7430
0800-1700	11595 9935
1700-2200	11595 9935 7430
2200-2300	11595 7430

(BBCM)

HONDURAS 5890.0 *HRMI Radio Misiones Internacionales*; *1202-1220 p on 08/02/97. S/on with h opening anmt by M, then into religious mx. (8Feb/Nozaki/Relampago DX)

ICELAND With all programs in Icelandic, here's the latest of the ever-changing skeds for the *Icelandic National Broadcasting Service*:

1215-1300 13860U 11402U
1410-1440 13860U 11402U
1855-1930 9275U 7735U
2300-2335 11402U 9275U
(BBCM)

INDIA AIR Itanagar on 4790 kHz had been operating local evenings at 1200-1600. A few months ago it commenced broadcasting in the local mornings with s/on at 0025. The familiar AIR interval signal is followed by 'Vande Mataram', a Sanskrit verse dedicated to the nation, and ID as "All India Radio Itanagar" with frequency announcements. (Weerakoon-SRI/NU/ODXA WRR/Clark)

INDONESIA

3205 *RRI Bandung* I have been unable to hear this so I had a friend in Indonesia call the station. Station personnel told him that they are off due to technical difficulties. (Atkins/Numero Uno/Cumbre)

3214.8 *RRI Manado*. 1755 Suddenly s/on, then local pops. 1759 RPK. 1800 Jakarta nx relay. 1806 "Angkatan Bersenjata Republik Indonesia" from RRI Jakarta. This is special Ramadan program. Fair. (17-Jan/YamadaJPN/Jembatan DX)

3231.8 *RRI Bukittinggi* 1646-1701 Indonesian songs, male announcer, IS. Rapidly fading. (8-Feb/Veldhuis/Cumbre) 3344.8 RRI Ternate. 1811 Telephone conversations. This is special Ramadan program. Fair. (17-Jan/Yamada-JPN/Jembatan DX)

3344.87 *RRI Ternate* 2145-2200 local pops, Love Ambon 2159. Poor. (15-Jan/Magrone-ITL/Yamada-JPN/Jembatan DX)

3959.7 Unidentified. 1918 Tk & instrumental mx. 1931 reading of Holy Koran. 1940 Tk by W. 1945 Lagu lagu Qasidah. Covered by North Korea on 3960kHz at 1958. RRI Palu or RRI Padang? Poor. (5-Feb/YamadaJPN/Jembatan DX)

3960 *RRI Palu* reactivated 1229. (Foster/OZDX/Martin/Cumbre)

4000 *RRI Padang*. 1534 Local nx "Warta Berita Daerah". 1541 Reading of Holy Koran. Poor. (20-Jan/Yamada-JPN/Jembatan DX)

4000.1 *RRI Kendari*. 1504 Jakarta nx relay. 1517 Kroncong mx. Now RRI Padang is operated on 4003.2kHz, so the station is heard clearly. Fair. (27-Jan/Yamada-JPN/Jembatan DX)

4003.2 *RRI Padang*. 1448 Reading of Holy Koran. Moved from 4000.0kHz. Poor. (21-Jan/Yamada-JPN/Jembatan DX)

4753.0 *RRI Ujung Pandang*. 1617 Islamic song like reading Holy Koran. S/off at 1627. Usually s/off at 1605. Today is last day of Ramadan. Good. (8-Feb/Yamada-JPN/Jembatan DX)

4764 *RRI Medan* 1125 seems to have reactivated. Call to prayers followed by usual px few minutes later (4-Feb/Weerakoon-SRI/Cumbre)

4766.0 *RRI Medan*. 1124 Local pops. 1129 ID by W "Radio Republik Indonesia Nusantara Satu Medan". 1130 Reading of Holy Koran. According to Weerakoon & Martin, the station was noted on Feb 4. (9-Feb/YamadaJPN/Jembatan DX)

4910.5 *RRI Bukittinggi*. 1450 South Asian style mx. 1500 Jakarta nx relay. 1514 Local pops. Poor. (21-Jan/Yamada-JPN/Jembatan DX)

4925.0 *RRI Jambi* 0005 nx?, mx, ID. I haven't heard it on this frequency for a long time. (25-Jan/Phillips/DX Window/YamadaJPN/Jembatan DX)

4927v *RRI Jambi* 1525-1535+, back to this freq from a few days on 4925 with a mx variety pgm, and site ID by M at 1530. This followed by Gamelan mx. For some reason, this freq always seems to be weaker than 4925. (9-Feb/Martin/Cumbre)

5987 *RRI Manado*. In 0413-0415, rare daytime opening. (19Jan/Ogrizek/EDXP/Yamada-JPN/Jembatan DX)

6153.9 *RRI Biak*. 2028 Local pops. 2032 ID by W "Radio Republik Indoensia Biak", then "Siaran Pedesaan". 2059 ID by M, then Jakarta nx relay (no RPK before nx). Fair to poor. (5-Feb/Yamada-JPN/Jembatan DX)

7173 *RRI Serui*. 0010-0100. (27-Jan/Padula/EDXP/YamadaJPN/Jembatan DX)

7230.9 *RRI Fak Fak*. 1208 Islamic religious px. Not relayed Jakarta nx at 1200. Poor. QRM/DW on 7235 from 1226. (15-Jan/YamadaJPN/Jembatan DX)

RRI Sorong on 4874.6kHz was not heard since the middle of January. (Yamada-JPN/Jembatan DX)

RRI Medan on 4766.0kHz reactivated. First noted on February 4. Sign off time is at 1500. (Yamada-JPN/Jembatan DX)

The evening program of *RRI Bukittinggi* on 4910.5kHz is not heard since February 8. (Yamada-JPN/Jembatan DX)

Recently the signal of *RRI Gorontalo* on 3264.6kHz got to be weaker than usual. I presume power of the transmitter is let down. (YamadaJPN/Jembatan DX)

JORDAN 7050 R. *Jordan* 2018 Announcer having telephone conversations with listeners in Arabic, also Middle Eastern vocals. Quite strong, though surely a spur; // 6105/7155/9830/10000 (another spur). (15-Feb/Hill)

LAOS *Lao National Radio's* external service which previously broadcast on 7116-v and 1030 kHz has been unheard since August 1994. Sked, all programs in Laotian:

0000-0230 6130
0400-0700 6130
0900-1600 6130
2200-2400 6130

Regional stations, which broadcast in Laotian and local tribal languages, are reported on the following frequencies:

Houa Phan (4660)

Luang Prabang (7162v)

Oudomxai (4535)

Pakse (6647v)

Xiang Khouang (5340v) (BBCM)

Regional Station *Houa Phan*(t) 4660 (1 kW) (tentative) 2348-0038, long talk, oriental slow song. No ID heard. Only this day. (27Jan/Bernardini-ITL/The Four Winds/Serra-ITL)

LIBYA 11850 V. of *Great Arab Homeland* *1745 Test tone till s/on announcement, "Saut al-watan al-arabiyah kebir, saut...arabiyah." Fair/good level but cheesy, phone-quality audio. Also // 9700 under strong European. (19-Jan/Hill)

MALAYSIA-SARAWAK The Daytime Mode has given us further data to sort out the overall sked! The Schools Program, weekdays, *0100-0330*, uses 5005 6050 6060 and 7130, with these channels drawn from the Iban and Bidayuh networks. Note that the four Networks (Iban, Ch/En, Malay and Bidayuh) normally use 41mb channels during the local daytime period from Kuching-Iban 7270, Ch/En 7160, Malay 7145 and Bidayuh 7130. The actual sked for 3385 (Miru/Iban), 4835 (Kuching-Malay), 4895 (Kuching-Iban), and 5030 (Kuching/Bidayuh) is not known. I believe that 3385 and 4835 may be used only in the local mornings and evenings. The 4835 frequency is occupied by the Australian Northern Territory service from Alice Springs during the period 2130-0830. (27-Jan/Padula/EDXP)

MARIANA ISLANDS *Far East Broadcasting Co/ KFBS* is a Christian evangelical broadcaster owned by the Far East Broadcasting Company (FEBC). FEBC also operates stations in the Philippines, Russia, Seychelles, South Korea and USA.

0800-0830 Banjar 15380

0830-0900	Gorontalo	15380
0855-1100	Russian	9645
0900-0930	Makasar	15380
0930-1000	Bugis	15380
0955-1600	Chinese	9495
1000-1030	Sundanese	15380
1030-1100	Javanese	15380
1100-1230	Indonesian	15380
1100-1130	Mongolian	9465
1130-1530	Russian	9465
1230-1300	Malay	15380
1300-1400	Vietnamese	9670
1400-1430	Koho	9670 Su
1400-1430	Jarai	9670 We
1400-1430	Vietnamese	9670 Mo/Tu/Th-Sa
1430-1530	Burmese	9670
1530-1545	German	9465 Su
1530-1600	Ukrainian	9465 Mo
1530-1545	Russian	9465 Tu/We
1530-1545	Uzbek	9495 Th
1530-1600	Kazakh	9495 Fr/Sa
1530-1545	Kyrgyz	9495 Fr/Sa
1545-1600	German	9465 Su/Tu/We
1545-1600	Osetin	9495 Th
1600-1800	Russian	9465
1600-1615	Uighur	9495
1615-1630	Osetin	9495 Mo
1615-1630	Kazakh	9495 Tu/We
1615-1630	Kyrgyz	9495 Th/Fr
1615-1630	Uzbek	9495 Sa/Su
1800-1830	Ukrainian	9465 Su/Fr
1800-1845	Russian	9465 Tu/Th/Sa
1830-1845	German	9465 Su
1830-1900	Romanian	9465 Mo
1830-1900	English	9465 We
1830-1845	Ukrainian	9465 Fr
1845-1900	Russian	9465 Th
1845-1900	German	9465 Su/Fr
1845-1900	Ukrainian	9465 Tu/Sa

(BBCM)

MAURITIUS *MBC-Mauritius Broadcasting Corporation* have a project to return to short wave and a piece of land has already been purchased in the north of the island called Cap Malheureux. They intend to go forward with the project immediately on receiving the needed money money and on this purpose they have approached Luxembourg to finance the project. If the MBC receive Luxembourg approval they intend to operate a 100kW transmitter and it will cover the region and Africa on 9710 Mhz day service and 4855 Mhz night service—the aim for Mauritius to return to short wave is to boost economic and trade in that season. (Mahendra Vaghjee/MBC/Kohlrenner)

MEXICO 6010.05 *Nucleo Radio Mil* in SS at 0759-0830 UT with talks, from 0802 UT program of romantic LA songs and male announcer, IDs every now and then, weak but clear (Tnx tip Martin Elbe!) (28-Jan/Kuhl/Cumbre)

Julian on RMI Mailbag program confirms that a new shortwave station (**XERTA**) is due to begin broadcasts this weekend. Day time frequency is to be 15120. Julian mentioned a night time frequency, but it was difficult to copy, sounded like 5800 or 4800. Second hand equipment is being used with a transmitter in south Mexico City beamed north. (5Feb/McNenly/Cumbre) The new station is named "**Radio Transcontinental de America**" and has call sign XERTA. It will test on authorized frequencies of 4800 and 15120. Very small scale testing has already begun, but it is unlikely that it has been heard outside the immediate area of Mexico City. Further tests will occur throughout February, though he could not give actual times. It has a power of only 5 Kw, but the antenna is oriented toward the north giving it quite a bit of gain. The owners hope to make this station a commercial success by attracting advertisers. The owners are very interested in receiving reports addressed to: XERTA P.O.Box 653 06002 Mexico, DF Mexico (11Feb/Fogarty/Cumbre)

MOZAMBIQUE What is probably the only short-wave transmitter currently on the air from this country is **Emissao Interprovincial e Gaza**, Maputo, listed on 4925 but recently wandering in the area of 4906v kHz. It was heard, for example, on Jan 8th at 0324-0345, varying 4906.34 to 4906.54 with pop/hilife music and anmts in Portuguese. The signal can be fairly strong but is usually severely distorted with a terrible transmitter growl. Heard Jan 19th at 0315 on 4906.4v in Ontario too. One night earlier in the month the signal drifted wildly all the way up past Radio Zambia on 4910 to 4912 or so, before reversing its course. Listed s/on is 0250. (Krueger/DXWindow/ODXA WRR/Clark)[**Beira's** wobbly transmitter is still being heard around 9636.6 kHz -AQ]...plus there are these two: 6111 R. **Mocambique**, Maputo 2115 Very surprised to hear actual audio on this one for a change. EZL pop vocals with man fading up the mike to talk atop them in the peppy VORGAN style; couldn't tell if language was Portuguese, though it sounded like it. Weak, then obliterated at 2130 by enormous BBC (Antigua, I guess) transmitter s/on. (1-Feb/Hill)...and 9619 R. **Mozambique**, Maputo at 1248 with W in PP and then into "Mama Africa" English song. Good signal. (25Jan/Steyn/Cumbre)

MYANMAR Good signals from Yangon **VO Myanmar** on 5985.9. I cant call it variable since it has been here for some time, spot on! Around 1200 on 5973 **Myawadi Radio Station** holding out good level in local dialects and Burmar up to s,off at 1530. Also the **Defence Forces Broadcasting Unit** at Taunggi is solid at 1200 on 6570 until s.off at 1330. This station plays a lot of music, not very indigenous type though. (GoonetillekeSRI/UADX)

NIGER 9706.18 **La Voix due Sahel** (suspected, as reported here), 1316, weak LP signal w/bits of low level audio detectable only during split-second silence from strong R. Mexico Int'l on 9705. Faded completely before 1330. (26-Jan/Clark-CAN)

PERU

- 3234.8 **R. Luz y Sonido**; 2238-2305 ID "Por Radio Luz y Sonido...la buena musica..." (30-Jan/Arrunategui-PRU)
- 3329.5 **R. Ondas del Huallaga**; 1220-1250 ads, ID "Por Radio Ondas del Huallaga" (2-Jan/Arrunategui-PRU)
- 3339.9 **R. Altura**, Cerro de Pasco; 2324-2350 mx, ads, ID "Una sola calidad Altura, una emisora al servicio del pais" px magisterial ID "Tres frecuencias y una sola calidad..." (14-Feb/Arrunategui-PRU)
- 4004.9 **R. La Voz del Campesino**, Alto Piura, 2354-0110* mx, ID ID "Radio La Voz del Campesino del Alto Piura" (14-Feb/Arrunategui-PRU)
- 4420.2 **R. San Juan** "para toda la region nororiental del Maranon", many time at the beginning of the month, Feb 6 until closing at 0127 with an anthem that wasn't national anthem of Peru. They don't have commercial announcements; transmit music asking for listeners in Cajamarca. Very weak signal and unluckly I haven't heard the QTH; Anyway, it can't be the same one that was on befor 4000.5 (6Feb/Klemetz/Cumbre)
- 4418.94 **R. Bambamarca**, 0231-0244, ads of Cajamarca, messages, salutations, at 0241 ID as "...en las oficinas de Radio Bambamarca en el dia de manana" also "Radio Bambamarca, frecuencia lider", then folk music. (26-Jan/Barrera-ARG)
- 4460.81 **R. Norandina**, 0246-0258, folk music, salutations pgm by M, ID at 0252 "...de esta emisora Radio Norandina" by M. (26-Jan/Barrera-ARG)
- 4566.4 **R. Gotas de Oro**, Chiclayo; 0140-0230 mx, ID "Y ya son las 8 y 44 de la noche en su radio Gotas de Oro" (10-Feb/Arrunategui-PRU) 4567.7v R Gotas de Oro, Chiclayo, is a new station. When hearing this station with a slightly FMing signal for a few days in mid-May 1996, on 4524, varying down to 4520, while the fq ann'cts said 1430 kHz, I believed this was a harmonic. But as it now turns out it is, indeed, a real SW operation. Unheard since May 20, 1996, the station made a surprising come-back on Feb 1. Tuning in to the station from 0120 to past 0200, I noticed a 4-minute transmitter outage at 0155, but once back on the air, the DJ apologized for the sudden breakdown of the "transmisor de onda corta" (SW transmitter), which was "fuerza mayor" (an act of God), he said. "At 1200, the same morning, the station was even stronger, actually stronger than most other Peruvians in this area of the band. ID's ann'cts are scarce and casual. "Radio Gotas de Oro, clase A en amplitud modulada" is the only ID I heard over a 1-h listening period. (Klemetz-CLM/KroneDEN)

- 4747.5 **R. Huanta 2000**, Ayacucho; 2300-2330 mx ID "A traves de esta emisora Radio Huanta 2000" (12-Feb/Arrunategui-PRU)
- 4763.9 **Radio Chincheros** was licensed on July 5, 1995. Its callsign is OAX5A and the authorized frequency is 4765kHz with 1kW. QTH: Jr. Apurimac s/n, Chincheros, Departamento de Apurimac, Peru. (Nozaki/Relampago DX)
- 4895.1 **R. Chanchamayo**, Chanchamayo; La merced, Junin; 1140-1205 ID "Es Chanchamayo Radio, son las 6 y 44 de la maana" mx huayno advs Comercial Martel, tiene el regalo para cada ocasion (15-Feb/ArrunateguiPRU)
- 4935.02 **Radio Tropical**, Tarapoto; 1027-1120 f on 15/02/97. px "Tahuanpero" was heard. The program which is produced by "Choro" Adan Ramirez, broadcast in "L amitas" dialect and Spanish. (15-Feb/NozakiJPN/Relampago DX)
- 4995.6 **R. Andina** 1049-1051+ Bizarre pgming of an OM yelling and a girl sobbing and crying pathetically, blubbering and wailing worse and worse as the M's yelling got more severe. This was a helluva thing to wake up to after a night of insufficient sleep at the DXpedition. (8-Feb/Zeller, DAngelo-GPDX/Cumbre) You sure this wasn't one of those short-range transmitters from a nearby drive-in showing "Evita"? -AQ]
- 5005.6 **R. Jaen**, Cajamarca; 1110-1128 ID "Que gusto da que Ud. este con Radio Jaen, la voz de la frontera norte...en sus 48 anos desde Jaen..." px Despertar Andino (8-Feb/Arrunategui-PRU)
- 5046.3 **R. Integracion**, Abancay, Apurimac; 1131-1210 s/on dicen: "Bienvenidos a la frecuencia de Radio Integracion, estamos transmitiendo en los 1511KHz onda media, con una antena de 3 vatios de potencia, con equipos de alta calidad, emisora perteneciente a..., de responsabilidad limitada, bajo la direccion de Hernan Farfan Cruzado y con nuestros estudios ubicados en la avenida Seoane cuadra 2, telefono 32227, apartado postal 57...inicia sus transmisiones el dia de hoy, trayendo entretenimiento...la frecuencia que brilla en el aire..." (8Feb/Arrunategui-PRU + TIN)
- 5068.7 **R. Ondas del Sur Oriente**, Quillabamba, Cusco; 1217-1305 nx, ads, ID "Y continuamos con algunas informaciones a traves de Radio Ondas del Sur Oriente.." nos preocupa en que quedo la puesta del terminal terrestre de Quillabamba.. (8-Feb/Arrunategui-PRU)
- 5385.3 **R. Huamarca**, Huamarca; 0012-0034 ads, ID "Radio Huamarca para todo el Per, la voz de la serrania peruana" (12-Feb/Arrunategui-PRU)
- 5645.9 **R. La Voz de San Antonio**, Bambamarca, Cajamarca; 0040-0112 mx ID "Esta es la buena musica a traves de Radio La Voz de San Antonio, la del sonido diferente" (12-Feb/Arrunategui-PRU)
- 5767.2 **R. Universal**, Moyobamba, San Martin; 1204-1240 mx, ID "A traves de Radio Universal que transmite desde Moyobamba" Apparently this is ex-Radio Estelar, previously reported on 5767.0. (14Feb/Arrunategui-PRU)
- 5818.8 **Radio Victoria** 0320-0343 M/W talk w/ lots of mentions of a town ----bamba. Also one anmt with "desde la capital de Peru" and "via satellite". Seemed to be some sort of remote program. Presumed this one, as reported by Pedro Arrunategui in NU1403. Is this a spur from 6018? (3Feb/Moore/Cumbre)
- 5894.8 **R. Paucartambo**, Paucartambo, Cusco; 2324-2350 ID "Que bien que hayan venido, el micro fono de Radio Paucartambo esta a disposicion..." (14-Feb/Arrunategui-PRU)
- 5995.3 **R. Melodia**, Arequipa; 1140-1215 mx ID "La noticia a traves de los 1220KHz de Melodia..." (25-Jan/Arrunategui-PRU)
- 6018.2 **R. Victoria**, Lima; 0735-0800 rel mx, ID "Por Radio Victoria, perteneciente a la cadena radial Dios es amor de la iglesia Pentecostal..." (9-Feb/Arrunategui-PRU)
- 6479.81 **R. Altura**, 0234-0248, folk music w/ huaynos, lot of IDs, at 0243 ID as "Desde el...y centro de Huarmaca, Provincia de Huancabamba, Departamento de Piura...con su mensaje de amor para el progreso...y bienestar de los pueblos del norte y oriente del Peru, Radio Altura, un mensaje de amistad hacia el interior del pais", then folk music. (25Jan/Barrera-ARG)
- Radio America**, 6010.7 kHz, has been playing Japanese music in its programs "to boost the spirits of the Japanese hostages." (23Jan/RNMM/BBCM)
- As of January 1997, the following shortwave stations are out of service. All these stations have been in illegal operation without broadcasting license, so the frequency direction of the Ministry of Transports and Communications order ed them to cease the transmission:
- Migel Pardo Naranjos: 4300.1 **Radio La Voz de Naranjos**.
- Moyobamba: 5767.1 **Radio Estelar** (ex-Estacion Soritor).

Nueva Cajamarca: 6137.5 *Radio La Voz del Alto Mayo*, 4705/5275V *Radio Estacion Lasser* (not Lasser).

Rioja: 4012V *Radio Frecuencia Popular*.

Yurimaguas: 6238V *Estacion Tarapoto filial Yurimaguas* (ex*Estacion Yurimaguas*).

The following stations are inactive due to technical or financial problem. Tarapoto: 4810.2 *Radio San Martin*, 5016V *Estacion Tarapoto*.

5621V *Radio Iucan* is authorized to broadcast on the new frequency of 3280kHz under callsign OAW2B. The license was emitted on August 28, 1996. 5131.4 *Radio Vision 2000*, Bambamarca; is authorized to broadcast on the new frequency of 3350kHz under callsign OAZ2H. The license was emitted on January 10, 1996. (Nozaki/Relampago DX)

RUSSIA The *Voice of Russia* will soon reduce its broadcasting time because of funding shortages, the station reported in its "DX Club" program on 2nd February. The number of transmitters and the number of frequencies used is also expected to be reduced sharply. (VOR/BBCM) From February 3rd VoRussia will reduce World service programs in Russian from 18 to 10 hours per day due to financial problems. No changes (so far) at VoR WS programs in English. (29-Jan/Pashkevich/Cumbre)

Radio Rossii

0000-0100	5290 4895 4860 4485
0100-0200	5290 4820 4485
0200-0300	7335 7325 6160 6125 6110 5815U 5360U
0300-0400	7335 7325 6125 6110 5910 5815U 5360U 5290
0400-0500	7335 7325 6125 6110 5910 5815U 5360U
0500-0600	11990 7335 7325 6125 6110 5815U 5360U
0600-0700	12175U 11990 11575U 9720 7335 7250 6160
0700-0800	12175U 12045 12000 11990 11720 11575U 9720 7250
0800-0900	12175U 12045 12000 11990 11720 9720 7250 5930
0900-1000	16330U 12175U 11720 9870 9720
1000-1100	16330U 12175U 12045 12000 11990 11720 9720 7440
1100-1200	12175U 11990 11720 9720 7250 5930
1200-1300	16330U 12175U 12045 9720 7250 6125-(from 1230) 5930
1300-1400	16330U 12175U 12045 9720 7250 6125 5930
1400-1500	16330U 12175U 9720 7250 6125 5930 5290
1500-1600	12175U 7340 6125 5930 5290 4895 4820 4485
1600-1630	12175U 11575U 7340 6125 5930 5290 4895 4820

1630-1700	11575U 7340 6125 5965 5930 5290 4895 4820
1700-1800	7340 6805U 6125 5965 5910 5290 4895 4820
1800-1900	6805U 6125 5965 5910
1900-2000	6805U 6125 6060 6030 5910 4895 4820 4485
2000-2100	7970U 6805U 6125 5965 4895 4820 4485
2100-2200	7970U 6805U 6125 5965 5910 4485
2200-2300	7970U 6805U 6125 5965 5910 5290 4860
2300-2400	7970U 6805U 6125 5965 5910 5290 4860

(BBCM)

Radio Rossii-Nostalzi is an association between Radio Rossii and the French commercial radio organization, Nostalgie Internationale. Address: 113326 Moscow, Ul Pyatnitskaya, 25. All programs in Russian:

1600-1800	7345 7210 7200 7140 4885 4860 4610
2000-2400	4895 4820 4485

(BBCM)

SRI LANKA The All Asia Service of the **SLBC** in English, beamed primarily to India, has moved up 10 kHz from long-established 9720 to 9730. The schedule is 0030-0430 and 1230-1630. (Goonetilleke/RNMN/ODXA WRR/Clark)

Some might get confused by reports in the DX press that **SLBC** Sinhala (Velenda Sevaya) Commercial Service and the FM See which has been combined and is 24hours is running 24hours on 6185 and 4870. Its only the FM that is 24 hours. The SW are 1000-1630, 0000-0200 on 4870 and 6185 is 0200-1000. Also please correct the UTC time for Sri Lanka in WRTVH its +6hrs. Its just a few days after WRTVH deadline that the Govt decided to change it from +6.30 in Summer to +6 for winter. However, it appears that there wont be a time change hereafter and all will remain +6 UTC.

VOA Ekala's evening English 1400-1800 was off frequency for about 2 months on 9644.6 kHz due to a faulty xtal. Problem was fixed on the 21st January. The VOA Iranawila site has been having great misfortune. The many political obstacles delayed the project by more than 3 years at least. The latest was when a transmitter got completely burnt out throwing ash and associated debris all over the transmitter hall. It wont be at least until the end of the year before any operations can get through. The antennas are more or less in an operational position. If only VOA could put some portable type 50kW even from a container, signals ought to boom in, this strategic area. And reports that VOA Ekala and Udorn swapped frequencies 1400-1800 are correct. They still are, COL on 7215 and Udorn 7125 kHz. (Goonetilleke-SRI)

TAJIKISTAN Actually there are two new freqs for *Tajik Radio*, 5750 & 5800. Both heard 1730-1900 with the same signal strength S9+15dB here in Moscow, that's unusual when compared with //4635 which is always much weaker. Perhaps these NFs were introduced due to the Ramadan holidays. (18Jan/Pashkevich-RUS/WBDX/EDXP/Padula)

Tajik Radio observed on new 9905//9610 with External Service in Arabic, opening at 0400, following its distinctive tuning signal from 0358. QRMing co-channel SRI-Montsinery 9905, and BCC-Taipai(Annan) 9610, (25-Jan/Padula-AUS/EDXP). UNITED ARAB EMIRATES Sked for UAE Radio Abu Dhabi, all programs in Arabic:

0200-0400	9605
0400-0600	11970 9605
0600-0700	9605
0700-0800	17760 9605
0800-0900	17760 13605 9605
0900-1300	17885 17760 13605 11970
1300-1400	17885 17760 15380 11970
1400-1600	15380 13605 11970 11710
1600-1800	11710 7220 7125 6180
1800-2000	11710 9695 7220 6180
2000-2200	9770 7220 7125 6180

(BBCM)

UGANDA *Radio Uganda* "Red Channel" switched its morning/evening frequency to 4976 (ex-3340), sked 1300-2100 and 0300-0600. (BBCM)

USA 11950, *WINB* Red Lion, PA, noted 2300 past 2400 with non-stop music, ID at 2330 soliciting reports. On the high antenna, fair signal despite being so close. (12-Feb/Sundstrom-NJ)[Reactivated 31-Jan, per George Thurman -AQ]

VOA Albanian added a new 15-minute segment from 1530 to 1545 on 11805, 13740 and 15240 kHz, raising its time on the air to two hours daily. The VOA Vietnamese transmission at 1230-1330 from Poro will have moved to 12030 kHz, ex 11840 kHz. The VOA Chinese transmission at 1600-1700 was cancelled and replaced by a transmission at 0900-

1000 on 9845, 11855, 11965, 12040, 13760 and 15515 kHz. (Ferguson/VOA)

VIETNAM *Voice of Vietnam*

Domestic Service (Network 1):
 2200-1600 Vietnamese 10059 5925
 1600-1700 Vietnamese 10059 5925 Fr
 Domestic Service (Network 2):
 0000-1600 Vietnamese 12035 4960
 2200-2400 Vietnamese 12035 4960
 Minority Language Service:
 0500-0530 Hmong 6165
 1200-1230 Hmong 6165
 1300-1345 Hmong 6165
 2200-2230 Hmong 5035

(BBCM)

What is listed as Hmong Sce at 1200 on 5036.1 is heard at 1200 and also heard in // to 6166.3. WRTVH97 report seems to make us understand that these are not two transmitters but two freqs operated at different times. However they run //. Fair signals in Colombo 23 Jan.

Lao Cau rather wobbly unstable carrier tho strong signals 4656.9 kHz 23/01 at 1200. (Goonetilleke-SRI)

UNIDENTIFIED

4694.8 UnID 1138 Slow ballad sung by woman; at 1142, brief announcement by man in what sounded like English, and into another ballad. Weak and faded very quickly; nothing but a faint het by 1155. (2Feb/Hill)

6390 UnID 1930* Tuned in just in time to hear a couple of sentences by woman in language, then short Middle Eastern-style instrumental and off. Fair and a bit choppy. (9-Feb/Hill) and off. Fair and a bit choppy. (9Feb/Hill)



Please notice

This issue of the Journal is a bit thin due mainly to the fact that only three weeks have elapsed since we put together the last issue. Everything should be back to normal next month.

Pirate Radio Report

Chris Lobdell

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Hello and welcome to another edition of the PIRATE RADIO REPORT.

Sorry about last month, but I missed the editorial deadline by a day. Ralph Brandi was nice enough to post it on the NASWA web page though. Anyway, I will sure try to not let that happen again!

We have lots of interesting logs, plus a station profile on one of the more active of today's pirates, MYSTERY RADIO.

Winterfest A Pirate Fest

If any of you are considering whether or not to attend this year's Winterfest in Kulpville, PA I can assure you that there is always a healthy contingent of micropirate broadcasters and pirate fans in attendance. Last year, I counted three separate pirate stations, two on shortwave and one on FM on the air at the same time.

Besides the stations, there is the excellent year in review of pirate radio forum hosted by George Zeller and Andy Yoder and you can pick up copies of pirate publications, pirate T-shirts and other memorabilia as well. The Winterfest will be held from March 13-15 this year. I regret that I will not be in attendance this year.

Walk in registrations are welcome but be sure to call the Kulpville Holiday Inn to see if they have any rooms left. If not, ask them to suggest a nearby hotel/motel See the February Journal for more details.

Changes At The ACE

The ACE [Association Of Clandestine Enthusiasts] has a new president and home. The current president, Kirk Baxter of KS has retired and has been replaced by Pat Murphy of VA. The new address for the ACE is: Box 12112, Norfolk, VA 23541

For those of you who don't know, the ACE is

to pirate radio as NASWA is to SWBC. I'd like to thank Kirk for a job well done and welcome Pat aboard as the new leader!

Station Profile—Mystery Radio

"MYSTERY RADIO started when a group of pirate radio fans got together in October 1995 and decided to produce a Halloween Special musical show. The name MYSTERY RADIO came from our fondness for old time radio shows which we nicknamed 'mystery radio'. The Shadow title came from the best of the shows, nach! We had access to the equipment for production and transmission. We were also lucky enough to obtain the permission to use the famed and coveted Stoneham post office drop box. So we went for it!

"The first tape consisted of electronic music and sound effects mixed together to produce a continuous creepy atmosphere. After the first airing, our first batch of QSL requests arrived!! We were hooked. Since then we have produced 15 shows and 15 QSL card designs. About one a month or so. Mostly synthesized music with few IDs, no commercials and little comedy [we'll leave that to those who do it well!]. We have done a few tributes to various R&R artists and a few theme shows. Most of our music is an original recorded performance that you can't buy at any store. We have received reception reports from California to Rhode Island, British Columbia to Toronto, Sweden, Germany and Scotland! We love the mail, especially the postcards. We also QSL reports found in various publications.

"Our station consists of four main components: The Monitoring Station, The Music Room, The Digital Darkroom and of course the remote transmitter sites. The transmitter is highly portable so the transmission sites can and have been in many different states.

There's always hope that anyone anywhere might catch a new tune. The Shadow and the staff of MYSTERY RADIO hope to keep providing new avenues in listening pleasure to music lovers long into the future, so stay tuned."

I'd like to thank The Shadow for providing us with such a nice profile. I'm still looking for more profiles, so if you're a pirate op, please write something up and send it in!

Pirate Poll Time

It's time again to vote for your three favorite pirate stations of 1996. Send them to me by mail or email. The deadline for entries this year is June 1st. So, let us know what you think. The results will be published in the July edition of the PIRATE RADIO REPORT.

Huntsville Drop Changes Address

J.D. Stephens, owner/operator of the Huntsville, Alabama maildrop sends us the new address, effective immediately:

P.O. Box 11522, Huntsville, AL 35814.

A forwarding order is in effect for the old Box 605, so mail addressed to the old number should still make its way to the proper location. [J.D. Stephens]

KIWI Radio Has Own Email Newsletter

Graham Barclay, operator of the popular and widely heard New Zealand shortwave pirate is now publishing "The KIWI Radio Weekly".

This interesting newsletter will keep you informed on what KIWI is up to, including planned broadcasts and relays of other stations. To receive the latest issue of The KIWI Radio Weekly, send him an email request to: kiwisagb@xtra.co.nz You also might want to check out the KIWI web page located at URL: <http://www-pp.hogia.net/jonny/fr/kiwi.html> [direct]

Logs, Logs And More Logs...

KOLD was most likely the one heard by Fred

on 7 February at 2352 UTC featuring music by Sinatra and Harry James on 6955 kHz USB. Although the ID wasn't copied, the format would suggest KOLD. They use the Stoneham drop. [Kohlbrener-PA]

MYSTERY RADIO, the subject of our Station Profile was heard in Wisconsin on January 26th on 6955 kHz USB from 1816 until 1851 sign off with a program of Led Zeppelin songs played on keyboards. The station IDed and gave the Stoneham, MA maildrop at the close of the program. [Paszkiewicz-WI]

RADIO AZTECA was heard in PA with Program #22 [a new one]. They were heard on 6955 kHz from 1826 tune in until s/off at 1855 on February 8th. Bram Stoker had his usual mix of "everything gross but tasteful" including a list of things stating "Why dogs are easier to get along with than people"! [D'Angelo-PA].

STEREO SOUND RADIO was heard by both Rich and Fred on February 7th. They were logged on 6955 kHz at 2237 until sign off at 2344 UTC. Format included an excited announcer named Billy Bob with 70's rock mx. He requested reception reports be sent to the Free Radio Network Web site. [Kohlbrener/D'Angelo]

WARR, one of the most active pirates these days was heard on February 2nd at 0035 until sign off at 0050 on the usual 6955 kHz USB. Programming included instructions on setting up a pirate TV station. Despite announcing that they can be contacted at the Belfast maildrop, the operator has still not contacted this maildrop, so don't waste your time/postage! Yes, Don this was WARR. [Moore-IA]

Although pirate activity has been a bit sparse since the Christmas-New Year's holidays I would expect it to pick up as the days lengthen and propagation becomes more favorable toward the end of this month. Be sure to share your logs with us here at the pirate radio report and don't forget to send us your vote for your three favorite pirate stations.

Until next month, Happy Pirate DX!

Chris



English Schedules

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Prepared February 22.

Antartica. LRA36 Radio Nacional Arcangel an Gabriel has been heard daily here since 16 Feb. The frequency 15476 has been clear during the 2-hour time block. The signal is poor at best, some snatches of English during the last half hour. I note the signal varies by the minute at times, and minor geomagnetic storm conditions actually help with the signal strength.

Jordan: Can anyone tell me why Radio Jordan was playing "Have a Merry Little Christmas" at 1230 UT on February 22? The frequency is 11690 kHz.

New Zealand. RNZI's bi-weekly Mailbag, listed for UT Thursday 0830, was noted 20 February at 1000-1035 UT, on 9700 kHz. I don't yet know if the time shift is permanent; an inquiry is out. Cushen's DX report airs about 15 minutes into the program and Adrain Sainsbury's technical comments follow. It was a good signal, even on the SW-100 portable.

The RNZI schedule "EFFECTIVE: 1650 UT 29 MARCH to 03 MAY 1997

UTC	kHz	
1650-1851	6070	(49m) Mon-Fri
1852-1951	9795	(31m) Sun-Thu
1852-1958	"	Fri & Sat

1952-2306	11735	(25m) Sun-Thu
1959-2306	"	Fri & Sat
2307-0458	15115	(19m) Daily
0459-0816	9795	(31m) Mon-Fri
0459-0758	"	Sat & Sun
0817-1206	9700	(31m) Mon-Fri
0759-1206	9700	Sat & Sun
1207-1650	CLOSEDOWN	
Occasional Use		
1207-1650	6070 eg Sport"	

Vatican Radio. Vatican Radio is moving to a 2x year transmission schedule, to fall in line with many other broadcasters doing so. (Cushen, RNZI Mailbag).

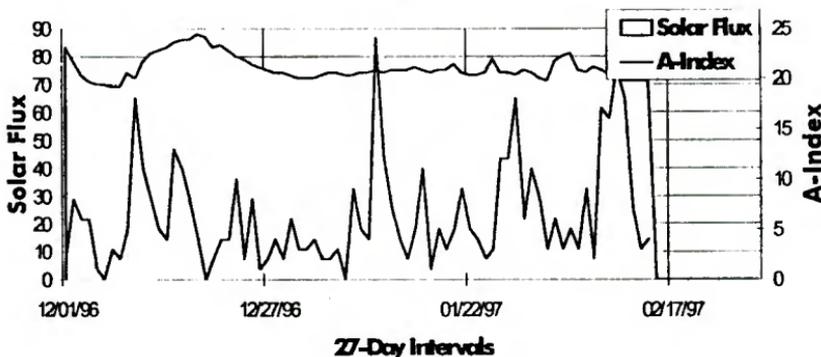
X

Internet "stuff". Look for the 15th edition of the Radio Netherlands "Booklist" posted mid-February. It includes brief reviews of books, magazines, listening guides, and audio (tapes/CD ROMs) and a history section to go along with the Antique Radio pages. This 15th edition is a work in progress, so keep an eye out for new entries. The URL is <<http://www.mw.nl/en/pub/>>.

It's still not too late to attend, but you may have to register at the door. The **Winter SWL Festival program update** and registration form: <http://www.trsc.com/swl_fest.htm>

SOLAR FLUX & A-INDEX Dec '96-Feb '97

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QSL Report

Sam Barlo
47 Prospect Place
Bristol, CT 06010



Rádio Cultura
Lorena SP.
Brasil
1460 kHz
ZYK 608

SPECIAL OFFER: We are continuing our offer of foreign postage stamps to be used as enclosures (gifts) with your reception reports at the rate of 600 large foreign stamps for \$5.00; 1300 for \$10.00 or 2000 for \$15.00. In addition, for each \$5.00 order I will include an additional 300 US commemoratives absolutely free! That's 900 stamps for \$5.00; 1900 stamps for \$10.00 or 2900 for \$15.00. What a country - what a bargain! Please try to enclose a dollar or two for postage. It would help quite a bit. Send your orders to your QSL Column editor.....Sam.

ASCENSION ISLAND: BBC Relay 6005 ltr. w/ info. sheet in 80 ds. (Vaghjee-MAUR).

AUSTRALIA: CAAMA 2310 and 2325 ltr. w/ brochures in 27 ds. for 1 IRC. (Vaghjee).

BENIN: ORT Benin 7210 p/d "Logo" cd. in 3 mo. for a FR rpt. and \$1.00. (Myers-VA).

BOLIVIA: Radio Mario Nunez
* 6142 n/d 2 page ltr. for a SP rpt. Also rcvd. a lot of station info. v/s Ing. Raul Ledezma and Jorge Penararda. Also rcvd. a very colorful station poster (20 x 15). (Field-MI).

BONAIRE: Radio Nederland 17605 f/d "Borum Up-Link" limited edition cd. in 34 ds. w/ a 97 calendar sticker. (Weissborn-TX). 6165 f/d "Madagascar Relay Station" cd. w/ stickers in 3 wks. (Maroti-NY).

BOTSWANA: Radio Botswana 4830 f/d "National Totem Zebras" cd. in 10 wks. for \$1.00. (Myers-VA).

CAMEROON: CRTV Yaounde 4850 f/d "QSL Certificate" in 2 mo. for a taped rpt. and \$2.00. v/s James Achanyi. (Rausch-NJ).

CANADA: CHNX 6130 ltr. in 22 ds. for \$1.00. Sticker rcvd. (Pasquale-PA). **CFRX** 6070 f/d "Map" cd. in 14 ds. for 1 IRC. v/s Steve Canney. (Brouillette-IL). f/d cd. in 18 ds.

for 1 IRC. (Weissborn-TX). **Radio Canada International** 9755 via **Sackville** f/d "50th Anniversary" cd. in 2 wks. for 1 IRC. v/s Bill Westenhaver. (Brouillette-IL). **Radio Japan** 11705 f/d "Osechi New Years Dishes" cd. in 1 mo. v/s H. Kawamoto. (Weissborn). 6110 same in 30 ds. (Weissborn). **Radio Austria International** 6015 f/d ltr. in 29 ds. Schedule was rcvd. (Weissborn-TX).

CHILE: Radio Esperanza 6089.9 cd. in 38 ds. for \$1.00. (McCarthy-GA).

* **Radio Triunfal Evangelica** 5825 very nice f/d cd. in 3 wks. via registered mail w/ the help of Argentine DXer Gabriel Ivan Barrera who was visiting the station. 50 watts. Addr: Mision Pentecostal Fundamentalista, Las Araucarias No. 2757, V.M. Larrain, Talagante, Chile. v/s Fernando Gonzalez Segura, Rev. (Berg-MA).

CHINA, PEOPLES REP. OF: China Radio International 7405 via **Jinhua** f/d cd. in 11 mo. w/ schedule. (Field-MI).

Radio Beijing f/d "Potata Palace in Tibet" cd. in 75 ds. (Vaghjee)

CLANDESTINE: Radio Kudirat Nigeria

* 6205 f/d green sheet w/ f/d in 2 mo. v/s Mr. Kayode Fayemi, Director. (Field-MI). same via **SENTEC** in South Africa in 20 ds. for 1 IRC.



中国国际广播电台
CHINA RADIO INTERNATIONAL

Gracias por su informe de recepción

Tenemos el gusto de verificar su control de nuestra emisión en 5205 MHz. de fecha 2/11/82 las 1231 hrs. con SINPO 35213.

IMER
INSTRUMENTOS DE MEDICIÓN Y S. P. A.

40MTS 5885 kHz / 31MTS 9705 kHz
1H 07 e 11 hrs. y 13 e 24 hrs.
UTC: 13 e 17 hrs. y 19 e 06 hrs.

Radio Motos
Internacional
XMBX-00

RADIO KUDIRAT NIGERIA

Thanks you for your
reception report on their
transmission from the
Meyerion Transmitting Station

Date 4.11.76 Time (UTC) 19h02

Frequency 6205 kHz

SENTECH

Phyl Limited
Private Bag X06
Honeydew 2040
South Africa

Kathy Otto

Mahendra Vaghjee

5 McGivrine Street

Beau Bassin

MAURITIUS

(Vaghjee). f/d sheet after a f/up
rpt. for a taped rpt. in 112 ds.
(Barrera-ARG).

CROATIA: Hrvatska Radio Televizija
5895 ltr. in 367 ds. v/s Bozidar
TomaneK. (McCarthy-GA).

CUBA: Radio Rebelde 5025 n/d folder
cd. w/ p/d ltr. in 6 wks. for a
SP rpt. and \$1.00. v/s Maricel
Ramos Soca, Public Relations De-
partment. (Myers-VA). Radio Hab-
ana 9820 "DX Club" cd. w/ ltr.
in 180 ds. (Vaghjee-MAUR).

ECUADOR: HCJB 15140 f/d "Quito" cd.
in 70 ds. for a SP rpt. and ms.

v/s Glenn Volkhardt. Schedule was rcvd. (Weissborn). 9745 f/d "Guapulo
* Ravine" cd. in 50 ds. for ms. (Weissborn). Radio El Buen Pastor 4815
p/d ltr. w/ pennant in 42 ds. v/s Segundo Poma, Director. (Kohlbrener)
Radio Bahai 4950 f/d cd. w/ ltr. and pennant in 76 ds. v/s William
Barreiro, Coordinador. (Barrera-ARG).

VERIFICATION SIGNERS: AIR Shimla 3223 P.K. Sood, Asst.
Station Engineer. RAI Caltanissetta 6060 Giusy Mor-
etti. Radio Liberia International 5100 Isaac P.
Davis, QSL Coordinator. Addr: (when postal service
opens)...P.O. Box 1103, 1000 Monrovia 10. Radio Am-
azonas 4940 Luis Jairo, Director. Emisora Ciudad de



UNA VOZ
DE AMISTAD
QUE
RECORRE
EL MUNDO

Montevideo 9650.5 Aramadz Yizmeyian,
General Director. Radio Tanzania 5050
B.M. Kapinga. Radio Naylamp Dr Juan Jose
Grandez Vargas, Director Gerente. Radio
Reina de la Selva 5465 Jose David Reina
Noriega, Gerente General...via PLAY DX.

RDP All illustrations on this page
are via Mahendra Vaghjee.

RADIO PORTUGAL

and 17675 via Moscow f/d cd. in 7 mo. on my 3rd try. Also rcvd. sked.
and sticker. (Field-MI).

FRENCH GUIANA: China Radio International 11680 f/d cd. in 3 yrs. (Field-
MI). RFO Guyane 5055 f/d cd. w/ stickers in 3 mo. for a FR rpt. and
\$1.00. (Maroti-NY).

GABON: Radiodiffusion Television Gabonaise 4777 f/d ltr. in 2 mo. for a
FR rpt. and \$1.00. v/s A. Renaud Ren-
ombo. (Myers-VA). Adventist World Ra-
dio - Asia 9370 f/d "Transmitter" cd.
w/ schedule and calendar in 29 ds.
for \$1.00. (Weissborn-TX).

HONDURAS: HRMI 5890 n/d ltr. in 1 mo.
* for \$2.00. v/s Wayne Downs. (Rausch-
NJ). HRVC La Voz de Evangelica 4820
n/d "Logo" cd. w/ f/d ltr. in 23 ds.
for a SP rpt. and \$1.00. v/s Modesto
Palma. (Weissborn). Radio Luz y Vida
3250 f/d "Map and Antenna" cd. in 45
ds. for a SP rpt. and \$1.00. v/s
Chris Fleck. (Atchley-CA).

IRAN: Voice of the Islamic Revolution in
Iran 9022 p/d "Ayatollah" cd. in 5 mo.

ITALY: RAI 9675 n/d "Enrico (Maroti).
Reycend Painting" cd. in 41 ds. for 1
* IRC (returned). (Weissborn). Rock-It-
Radio 7125 via Milano f/d cd. in 5 wk
Station said I was one of the few US
DXers who heard the transmission. v/s
Bennie Dengo. (Field-MI).

JAPAN: Radio Canada International 6150
via Yamata f/d "%0th Year" anniversary
cd. in 28 ds. w/ sticker. v/s Bill
Westenhaver. (Weissborn-TX).

EUROPEAN RUSSIA: Radio Nadezhda 17865





All illustrations are from Monferini at PLAY/DX.

- MALAGASY REP: Radio Nederland** 9895 f/d "Borum Up Link" cd. in 28 ds. (Weissborn). same in 72 ds. (Rogers-MA).
- MALI REP: China Radio International** 9710 via **Bamako** f/d "Glazed Tile Pagoda" cd. in 43 ds. Schedule and paper cuts rcvd. (Weissborn-TX). cd. w/o site in 51 ds. (Rogers-MA).
- MEXICO: XERMX Radio Mexico International** 9705 f/d "26th Anniversary" cd. in 47 ds. for \$1.00. Pennant and sticker were rcvd. (Weissborn). **Nucleo Radio Mil** 6010 p/d ltr. in 30 ds. v/s Zoila Quintanar Flores. (Weissborn-TX).

- VERIFICATION SIGNERS: Radio Al Exterior** 15345 Marcela G.R. Campos, Directora and Sandro Cenci, Jefe red. Italian Pgm.
- Radio San Gabriel** 6080 Padre Hermano Jose Canut, Director General. **Radio Nacional Sao Gabriel** 3375 Luis Dos Santos Franca, Gerente. **Radio Brasil Central** 4985 Sergio Rubens. **Radio Marumby** 9665 Jair Albano. **La Voz del Quaviare** 6035 Luis Fernando Roman, Director. **Radio Cristal International** 5012.3 Fernando Hermon Gross, Director Tecnico and Dario Badia, Director General. **Sudddeutscher Rundfunk** 6030 Erich Fileru, Chief Engineer. **Adventist World Radio - Julich** 7230 Stefano Losio, General Manager. **Radio Jordan International** 11970 Jawad Zada, Director.....via PLAY DX..Sam.

- MONACO: Trans World Radio** 7115 f/d "TWR Satellite" cd. w/ schedule and pennant in 46 ds. for 2 IRCs. (Weissborn-TX).

- NEW ZEALAND: Radio New Zealand International** 11905 f/d "Greetings from New Zealand" cd. in 22 ds. for 3 IRCs. (Weissborn)

- NORWAY: Radio Denmark** 9840 via **Radio Norway International** f/d "Logo" cd. w/ ltr. in 13 ds. for 1 IRC. v/s Lulu Vittrup. Also rcvd. a schedule in Danish. (Brouillette)

- PERU: Radio Universal** 6093 f/d cd * w/ ltr. in 2 mo. on my 5th try for a rpt. in SP/EG. (Field-MI).

- ROMANIA: Radio Romania International** 7195 f/d "Building" cd. in 40 ds.

- SEYCHELLES: BBC** 6005 f/d ltr. (Rogers). in 21 ds. for \$1.00. v/s Nigel Bird, Resident Engineer. (Rogers-MA).

- SAO TOME: Voice of America** 6035 f/d "Georgia Barrier Islands" cd. in 2 wks. (Buer-FL). f/d ltr. direct from the site in 6 wks v/s Charles L. Lewis, Assistant Transmitter * Plant Supervisor. Addr: VOA, Sao Tome Relay Station, Box 522, Sao Tome, West Africa. (Lazarus)

- SOUTH AFRICA: Radio Nederland** 11655 via **Meyerton** f/d * cd. in 71 ds. (Buer-FL). **Channel Africa** 15240 f/d "SENTECH" cd. w/ schedule in 23 ds. for \$1.00. v/s Kathy Otto. (Rogers-MA).

- SRI LANKA: Radio Japan** 12045 via **Ekala** f/d "Osechi" cd. w/

- KALININGRAD: Radio ABC Denmark** * 7570 f/d cd. in 3 mo. v/s Stig Hartvig Nielsen. (Rausch-NJ).
- KAZAKHSTAN: Radio Nederland** 7305 f/d "Madagascar Relay Station" cd. in 17 ds. (McCarthy-GA).
- LIBERIA: Liberian Communications Network** 5100 rpt. was returned by USPO "Service Temporarily Suspended". (Field-MI).
- LITHUANIA: Radio Ratekona** 9710 * f/d cd. in 1 mo. for a taped rpt. and \$2.00. v/s Janette Wood. This station relays the Universal Life programs from 1300-1430. Addr: Postfach 5643, D-97006 Wurzburg, Germany. (Rausch-NJ).

RR
Radio Reloncavi
 10000 WATTS DE POTENCIA ACTIVA
 PUERTO MONTT
93 am
CHILE



Station KNLS

Summer 1996 Broadcast Season Confirmation

Card # of 200

KNLS, the New Life Station, confirms your reception report:

Name: Mahendra Vaghjee
ID#: 11330
Date: 12/21/96 UTC
Time: 17:47Z UTC
Freq: 7.465 Mhz



The World is Listening!

The KNLS transmitter RF output was 100kw beamed on a 21.7 Db gain antenna toward Asia at an azimuth of 225 degrees from Anchor Point.

newsltr. and schedule in 1 mo. v/s H. Kawamoto. (Maroti-NY).

SWEDEN: Radio Sweden 15240 f/d cd. of "Lund Cathedral" in 26 ds. w/ schedule. (Weissborn-TX). 6200 and 7290 f/d "Reindeer" cd. in 13 ds. for 1 IRC. (Brouillette).
TAHITI: RFO 15168 f/d "Native" cd. w/ sticker and old freq. in 251 ds. for a taped rpt. and \$1.00. (Pierce-MA).

USA: WYFR 6065 f/d "20th Anniversary" cd. in 38 ds. for ms. (Weissborn-TX). Rock-It-Radio 9955

via WRMI f/d cd. in 6 ds. (Field-MI). KALJ 5810 f/d "Spreading Its Light" cd. in 176 ds. for ms. (Rogers-MA). 5810, 9815 and 13815 5 f/d cds. in 1 mo. Station suggested that for a faster reply reports can be sent to Rt.3, Box 120, Frisco, TX 75034. (Field-MI). WJCR 7490 p/d "Globe" cd. in 169 ds. for SASE (returned). (Rogers). KVOH 9975 p/d "Map" cd. in 148 ds. for SASE. (Rogers). KVJS 11715 f/d cd. in 20 ds. for a SP rpt. v/s Delia Ramos. (Weissborn-TX). WENN 7425 f/d "Mother Angelica" cd. in 50 ds. for ms. v/s Joseph Dentici, Frequency Manager. Also rcv'd.



NOTES: Pedro M.C. de Castro sent a very nice station pennant from Brasil. It was forwarded to your Editor via Fred Kohlbrener. Thx Pedro! We will use it in an future QSL Column. Bob Padula from down under sent along his warm greetings to everyone. Glad to have your con-

tributions. Keep them coming in...Sam. Greg Myers has heard anything from Radio Metropolis in the Czech Republic. I sure haven't. I don't believe we have had any QSLs from that station reported in the QSL Column...Sam.

sticker and schedule. (Weissborn). 7465 same in 41 ds. w/ goodies. (Weissborn). VOA Greenville 5745 f/d "Poudre River" cd. in 25 ds. for a PT rpt. (Weissborn). WVHA 13825 f/d "Antenna" cd. in 185 ds. for ms. **USA (Pirates):** Short Wave Radio Switzerland 6955 via WREC (Rogers-MA). colorful cd. w/ station data and ltr. in 20 ds. (McCarthy). The Voice of Anarchy 6953 ltr. verifying 1st broadcast in almost 4 yrs. in 82 ds. (McCarthy). WPRS 6955 f/d personal ltr. in 1 mo. 100 watts. v/s Willie B. Quiet. (Field-MI). WSM Grand Ole Opry Radio Network 6955 ltr. in 69 ds for \$1.00. (McCarthy). in 3 wks. w/ form ltr. (Field). Radio Azteca 6955 cd. w/ station pennant in 22 ds. for \$1.00. (McCarthy-GA).

SWAZILAND COMMERCIAL RADIO (PTY) LTD.

(Head Office)

81 Main Street • Kenilworth 2190

P. O. Box 1586 • ALBERTON 1450

Tel: +27-11-434-4333 • Fax: +27-11-434-4777

Mr. Mahendra Vaghjee
8 MC Irvine Street
Mauritius
Indian Ocean

1996/11/04

All illustrations on this page are via Mahendra Vaghjee in Mauritius.

Dear Sir,

We have received your letter confirming our reception in your part of the world.

Swaziland Commercial Radio is situated in Swaziland and has two transmitters: One Short Wave transmitter of 100Kw broadcasting on 8185 Khz, and a Medium wave transmitter 80Kw on 1377Mhz.

Swaziland Commercial Radio currently broadcasts programmes received from the United States (religious programmes). Radio Cidade is broadcasting on our Medium Wave transmitters, only in the evenings. Both Radio Cidade and Radio Swazi are owned by the same person.

Radio Cidade and Radio Swazi have their Head Office in Johannesburg, and the broadcasts of radio Cidade are made directly from our studios in Johannesburg via satellite to Swaziland, and from there they are aired via the Medium wave transmitter.

The religious programmes on Swazi Radio are only aired on Saturdays and Sundays from approximately 19H00, local time, and Radio Cidade on Medium Wave broadcasts daily from 17H00 to 01H00, local time.

The broadcasts you received are obviously Short wave as I'm sure you will not be able to pick up our Medium wave signal that far from Africa.

I hope the information I'm sending you is sufficient, but, should you wish to know anything else, do not hesitate to contact us again.

We don't have quite enough material for another page so we will end it at this point. Best of QSLing....

Contributors' Page

Fred S. Kohlbrenner
2641 S. Shields St.
Philadelphia, PA 19142
Internet: fkohl@ix.netcom.com

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

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	AOR AR-7030 100' LW
Gabriel Ivan BARRERA, Buenos Aires, ARG	NRD-525 32m dipole
Michael BEU, Austin, TX	
Jerry BERG, Lexington, MA	R8 165' LW
Erik BUENEMAN, Hazelwood, MO	ATS-803A homebrew antenna
David CLARK, Thornhill, ONTARIO	R8A ANC-4 Carolina Beam
Rich A. D'ANGELO, Wyomissing, PA	R8 HF150 AD-DX/SWL Sloper 100' LW
Ralph FAMULARO, Hyugo-ken, JAPAN	ICF-SW55 ATS-803A R5000 LW
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Gary FROEMMING, Glendale, AZ	TS440 3 element beam
Bill FLYNN, Cave Junction, OR	R8 DX-Ultra inverted V
Robert GEARING, Palm Beach Gardens, FL	
Bob HILL, Holliston, MA	Sony 2010/whip 120' dipole RW Loop
Hans JOHNSON, Englewood, CO	R8 2-500' LW's
Fred KOHLBRENNER, Philadelphia, PA	R8 NRD-525 ANC-4 FL-3 AD-Sloper
Marie LAMB, Brewertown, NY	HF150 DX392 MFJ16010 60m LW Loop
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
John MacDONALD, Paulsbo, WA	NRD-535 75' LW
George MAROTI, Mt. Kisco, NY	Sony 2010 30' dipole MFJ-956 tuner
Mark MOHRMANN, Coventry, NY	NRD-535D 440' V beam @ 180 degrees
Don MOORE, Davenport, IA	R8 2-125m mini-beverages
Gary NEAL, Sugarland, TX	Grundig YB-400
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Denis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Sheryl PASZKIEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Robert PIETRASZEK, Turner Falls, MA	Sony 2010 Eavesdropper
Karl RACENIS, Livonia, MI	Drake SW-8 190' LW
Bob RAYMOND, Nashua, NH	IC-745 40meter 1/2 wave vertical
Jim RENFREW, Rochester, NY	R8 2010 MJF-959B A/D Sloper
Chuck RIPPEL, Cornland, VA	R390A R8A R1051H SP-600 51S-1 LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
John ROGERS, Belmont, MA	
Mike RYAN, Bangkok, THAILAND	
Giovanni SERRA, Anzio, ITALY	NRD-525 AD Sloper
Todd SMITH, Norwalk, CT	DX350
Nick TERENCE, Huntington, NY	Sony 2010 GE World Band Monitor
Wallace TREIBEL, Seattle, WA	
Mahendra VAGHJEE, Rose Hill, MAURITIUS	Lowe Europa 225E Sony 2010 LW ARA60
Dan ZIOLKOWSKI, South Buffalo, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

The tenth Winter SWL Fest is just days away and promises to be the best ever. I'm looking forward to seeing many of you again. Stop by the NASWA table and say hello!



Tropical Band Loggings

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

2190h UNID 1/29 0123 EG hockey (Mohr-VT)
2325 AUSTRALIA ABC 2/1 1150 EG same cricket match as on Guyana(Race)
1/28 1423 rock mx, 5 min nx (Flynn-OR)
2340h UNID 2/5 1116 SP tlks (Mohr-VT)
2360 GUATEMALA R Maya 2/1 0101-0330* tlk, LA mx (Beu-TX)
2390 MEXICO R Huayacocotla 1/13 2322 ID, LA mx, good (Beu-TX)
Nice catch, glad you wrote in--sp
2680h UNID 2/3 1130 poor w/W??M or N (Moor-IA)
2900h COLOMBIA R Metropolitana 2/4 1116 pops, anmts, TC, IDs but
poor, tnx Klemetz 2x1450 (Moor-IA)
3100h COLOMBIA HJZE 2/4 1103 poss nx, ID, 2x1550 (Moor-IA)
3200.3hp ARGENTINA R Armonia 2/4 0012 vcls, tlk, weak (Moor-IA)
3205 NEW GUINEA R Sandaun 2/2 1201 choir, NA (Race-MI) 2/2 1103
chorus, anmts, mx monotonous, fair (Hill-MA)
3249.8p KALIMANTAN RRI Banjarmasin 1/15 2045 tlk, AR type mx (Famu-JP)
3255 BRAZIL R 6 de agosto 1/26 1045 ID, mx, weak (Mohr-VT)
3270t NAMIBIA NBC 2/2 0406 hilife mx (Race-MI)
3287 MADAGASCAR RM 1510 Malagasy mx pgm //9510 (Vagh-MAUR) I am
anxiously awaiting Mauritius' return to SW-sp.
3289.9 NAMIBIA NBC 1/19 0140 US pops //3270, sep pgm 0400 (Alex-PA)
3290 GUYANA GBC 1/28 0553 EG rain songs, anmts, ID (Lamb-NY)
2/8 0040 obits, ID, jazz pgm, pharmacy ad for curry powder
"w/an elephant on the label." Fair (Kohl-PA) 1/21 0400 ID
Nightrider pgm (Maro-NY) 2/2 0445 cricket (Clar-ON) 1/24 0830
Voice of Islam pgm (Berg-MA)
3306 ZIMBABWE ZBC 1/29 0323 hilife, lang, sudden 0327* (Flynn-OR)
1/29 0426 Afr mx, YL anncr (Beu-TX)
3316 SIERRA LEONE SLBS 1/31 2332 EG tlk abt bx, call in (Race-MI)
3326 NIGERIA RN 2/1 0500-0700 fade EG tlks, Afr mx (Beu-TX)
3330 ZAMBIA Christian Vo 1/13 2127 weak mx & 1/21 0406 (Renf-NY)
2/2 0410 over CHU w/rel mx, jingle ID (Clar-ON)
3339.9 PERU R Altura 2/9 1018 Andean mx, 1100 ID, FC (Kohl-PA)
3341t UGANDA RU 1/15 0422 YL tlk (Renf-NY)
3345 INDIA AIR Jaipur 1/19 0042 SC mx fair (Clar-ON)
3355 NEW GUINEA R Simbu 1/19 0933 PD tlk, EG words, mx (Famu-JP)
3360 GUATEMALA LV de Nahuala 1/26 1130 ID, marimba, tlk (Robi-TN)
3365 INDIA AIR Delhi 1/19 0036 EG nx better than 4860 (Clar-ON)
3366 GHANA GBC 2/1 2314 EZL, tlk abt Koran, EG nx, ID (Race-MI)
3374.8 BRAZIL RN Sao Gabriel 2/2 0940 ballads, pops, canned ID (Mohr)
3375 ANGOLA RN 2/2 0223 marimba like mx, anmts //4950, 7245 (Renf)
1/19 0125 entire Sting album, PT vcls //4950 (Maro-NY) 12/27
0222 soft pops //7245 (Ziol-NY) 2/6 0550 Exc w/Afr mx (Beu-TX)
3375 BRAZIL RN 1/18 0930 PT tlks (Beu-TX)
3380 GUATEMALA R Chortis 1/26 1100 ID, mx (Robi-TN)
3395 SUMATRA RRI Tanjungkarang 2/6 2246 IN vcls, ID, SCI, nx (D'Ang)
1/28 1447 rel pgm, ment Buddha (Flynn-OR)
3600h CUBA R Rebelde 1/18 0928 LA mx, tent (Beu-TX)
3900 CHINA Vo Strait 1620 CH mx, tlks, drama (Vagh-MAUR)
3915 SINGAPORE BBC 1635 rel pgm, EG nx (Vagh-MAUR)
3945 VANUATU RV 2/2 0935 South Seas mx, rel, ment Van. NA (Race-MI)
3965 FRANCE RFI 1/28 0533 FR nx ID, int //7135 (Lamb-NY)
3970UP JAPAN NHK Sapporo 1 1/19 1255 JP tlk, TP, tlk (John-CO)
3990 UNID 1638 mx, nx in Bengali, anncd end of nx, AR mx (Vagh)
4003 SUMATRA RRI Padang 1650 prayer, tlk, IS & 1700* (Vagh-MAUR)
4070 CLAND Vo Iraqi Kurdistan 2/2 0420 AR or Kurd tlk (Alex-PA)
4117.1nf CLAND Vo Peop Kurdistan 2/2 0420 tlk, chants, instl (Alex-PA)
4260h CUBA R Rebelde 2/3 1132 anmts, //5025 6x710 (Moor-IA)
4419.8 PERU R Bambamarca 1/31 1005 Andean mx, ID, tlk, exc (Mohr-VT)
4460.8 PERU R Norandina 2/1 0219 Andean mx, ID (Race-MI) 2/1 0358*

amnts, OA mx, ID, NA (Alex-PA) 1/29 0300 LA mx to 0400* (Beu)
 4472 BOLIVIA R Movima 2/3 1009 nx, ment Movima, TC, carn mx (Moor)
 4485.2 PERU LV de Celendin 1/12 0308* tlk, folk mx, rel (Alex-PA)
 tent 1/26 0240 mx, no real copy (Flyn-OR)
 4500 CHINA Xinjiang 12/6 0026 mx, ID (Serr-IT)
 4552.3 BOLIVIA Rdf Tropic 2/8 1036 ID, TC, tlk, mx (D'Ang-PA) pres
 at 1045 1/30 amnts, mx, weak (Alex-PA)
 *4565v PERU R Gotas de Oro 2/7 1107 IDs, TCs, tlk over mx, tnx
 Klemetz (D'Ang-PA) 2/7 1100 tlks, OA mx, ID 1115 (Kohl-PA)
 unid 2/4 1148 TCs, folk mx, ads (Moor-IA) 1/31 1014 IDs,
 ment Moyobamba, Chiclayo, mx, TCs, "Juntos con el Peru" pgm,
 HC mx pgm, etc (Mohr-VT) unid 2/2 1120 TC, OA mx (Hill-MA)
 unid 1/30 1045 amnts, flutes, ads, echo amnts (Alex-PA)
 4567vt PERU R Latina? 2/1 0330 ment Andina, Ecuador, etc, beer ad
 (Race-MI) See above--sp
 4599.3 BOLIVIA Radioem. Villamontes 2/7 0956 CP vcls, long tlk,
 ID, poor w/QRM (D'Ang-PA) Nice one, Rich--sp
 4599.9t BOLIVIA Perla del Acre 1/10 1016 good w/LA pops, ment Cobija,
 transp probs in Pando, phone tlk (Mohr-VT)
 4635 TAJIKISTAN TR 1/26 0214 Tajik? pgm, mx, think hrd Dushanbe ment
 (Flyn-OR)
 4659.8v UNID 1/28 1059 SEAs lang, chimes 6 TP, tlk, poor (Famu-JP)
 4694.8 UNID 2/2 1138 ballad, EG? anmt, weak (Hill-MA)
 4747 CHINA CRI 2/7 *1500 RS IS, IDs, tlk, spur? (Famu-JP)
 4750p TIBET Xizang PBS 1/26 1248 Asian mx, f-g (Clar-ON) 12/6 0035
 tlk, mx, TP, ID, nx (Serr-IT)
 4753 SULAWESI RRI U-P 2/8 2158 SCI Jakarta nx, poor (D'Ang-PA)
 2/2 1250 EZL mx, SCI, ID, nx (Race-MI) 1545 Euro mx, IN
 ID & nx (Vagh-MAUR) 1/4 1510 pops (Newb-NE)
 4755 BRAZIL R Educ Rural 2/2 0300* Its a Wonderful Life (Renf)
 4760 ANDAMAN ISL AIR Pt Blair 2/2 1225 HD mx, TP, EG nx //4860
 (Race-MI)
 4760 SWAZILAND TWR 1/20 *0255-0330* IS, EG ID, tlk, choir (Maro-NY)
 12/31 0156 IS, EG ID, fair (MacD)
 4765p BRAZIL R Rural Santarem 1/21 0950 pops, some tlk, chimes, poss
 ID (Ziol-NY)
 4765 BRAZIL unid 12/12 0300* romantic mx, low mod (Serr-IT)
 4770 NIGERIA RN 2/1 2120 EG nx, pro-Nigerian editorial (Race-MI)
 1/25 0625 EG tlk on development (Renf-NY) 1/6 0625 EG cmtry
 (Newb-NE)
 4775 BRAZIL R Liberal 1/28 0448 ment Braz cities, echo amnts,
 C&W, FC, ID, best in USB (Lamb-NY) 1/30 0300 ID, sports
 scores, pop mx (Maro-NY)
 4775 INDIA AIR Impal 1/14 *0025 IS, chorus, ID (John-CO)
 4775 PERU R Tarma 1/20 1050 LA mx, tlk, ID 1100 (Ziol-NY)
 4777 GABON RTV 1/26 2139 FR Afr mx, ID, anmts (Lamb-NY)
 4779.8 ECUADOR R Oriental 1/30 1035 DJ chat, ID, HC mx (Alex-PA)
 4782.9 MALI RTV 1/31 2221 FR responsive chants, nx (Race-MI)
 4790 INDIA AIR Shillong 1/14 *0025 chorus, tlk, EG ID, TC, date
 in 2 calendars (John-CO)
 4790 PERU R Atlantida 12/27 1055 tlks, mx, ID (Ziol-NY)
 4799.7 GUATEMALA R Buenas Nuevas 1/12 1215 Indian mx, IDs (Ziol-NY)
 1/4 nx, Indian lang, Sousa march (Newb-NE)
 4800 LESOTHO RL 2/8 2201* lang prayer, ID, anmts, NA (D'Ang-PA)
 12/30 2140 Afr mx, tlks, NA (Ziol-NY) 1/13 2258* NA (Renf)
 4805 BRAZIL Rdf Amazonas 1/5 2330 PT anmts, pops (Newb-NE)
 4819.2 HONDURAS HRVC 1/4 SP pop mx (Newb-NE)
 4825 BRAZIL R Cancao Nova 12/7 0638 romantic mx //9675 (Serr-IT)
 4826.3 PERU R Sicuani 1/5 0148 interviews (Flyn-OR)
 4830 VENEZUELA R Tachira 1/6 0245 folk mx, ID, ads (Barr-ARG)
 1/6 2335 folk mx, tlk, promos (Newb-NE)
 4835 GUATEMALA R Tezulutlan 12/7 0117 marimba, ID, tlks (Levi-PA)
 12/31 0320 marimba, phone ins, party-like (MacD)
 1/4 marimbas, fun to listen to (Newb-NE)
 4840.1 PERU R Andahuaylas 1/11 1040 rel tlk abt kids, ID (Mohr-VT)
 4845 BOLIVIA R Fides 1/12 0505* mx, ballads //6155, 9625 (Alex-PA)
 12/14 0503* romantic mx, ID & anmts (Serr-IT)
 4845 GUATEMALA R Kekchi 1/11 0200* tlk, rancheras, ID (Alex-PA)
 1/5 2330 Indian lang tlk, ID LA mx (Newb-NE)
 4845 MALAYSIA RM 1/16 1525 Tamil mx pgm (Vagh-MAUR)
 4845.2 BRAZIL R Cult Ondas Trop. 1/11 0301* ID, pops (Alex-PA)
 4850 CAMEROON CRTV Yaounde 2/1 2358* FR anmts, pops, phone (Alex)
 1/13 2115 EG nx, seemed to say This is Douala, into FR (Renf)

4850 ECUADOR Luz y Vida 1/6 1220, SP instls, gospel mx (Newb-NE)
 4850 UZBEKISTAN UR 1/19 0205 folk mx, string mx, tlk //7105 (Alex)
 12/12 0306 chants, instl mx, ment Uzbekistan, IS (Serr-IT)
 4855.5 PERU R La Hora 1/15 1027 Andean mx, TC, ID, ads (Mohr-VT)
 4870.2 ECUADOR LV del Upano 1/16 1059 tlk, ID, weak (Terr-NY) 1/18
 0245* continuous tlk, piano, ID 0241 (Alex-PA)
 4875 BRAZIL Rdf Roraima 1/4 folk songs, tlks (Newb-NE) 12/6 0105
 soccer game, sfx, TC, ID (Serr-IT)
 4875.1 BOLIVIA La Cruz del Sur 1/15 1034 tlks, ID (Mohr-VT)
 4880t BANGLADESH RB 1550 EG cmtry, Bengali tlk & mx, TP (Vagh-MAUR)
 4880 INDIA AIR Lucknow 1/28 *1215 IS, YL tlk, poor (Famu-JP)
 2/2 *1214 IS, fair (Clar-ON)
 4886.6 PERU R Villa Rica 12/30 1045 tlk, mx, march mx, ID (Alex-PA)
 4890 GABON RFI 1/5 0445 FR tlks, ID, theme mx (Newb-NE)
 4890 PAFUA NBC 1/18 1700 mx, nx & sports, IDs, rel (Vagh-MAUR)
 1/6 1235 EG dialog, C&W (Newb-NE)
 4895 INDIA AIR Kurseong 2/9 1142 sitar mx, tlks (D'Ang-PA) 2/9
 1136 Hindi mx, OM anmts, poor (Kohl-PA) pres 1/23 1150
 SC mx, faded before ID (Ripp-VA)
 4900 SHRI LANKA SLBC 1/15 1640 Buddhist prayer, ID, tlk, rel song
 (Vagh-MAUR)
 4900 UNID TP & ID in lang 2/5 (Ripp-VA)
 4902t SHRI LANKA SLBC 1/13 1350 SC mx, tlks, drama? (John-CO)
 4904 CHAD RNT 1/17 2005 FR nx, mx, pgm abt prison, Afr mx, pgm for
 the army (Vagh-MAUR) Interesting!--sp
 4904.5 UNID 1/15 0015 AR figures & % w/ITM initials etc. Monetary
 units in Pounds, so maybe subharm of 9809 (John-CO)
 4910 AUSTRALIA ABC 2/6 2135 EG natl nx //5025, p-f (Famu-JP)
 4910 INDIA AIR 12/14 1215 vy weak tlk (Ziol-NY)
 4910 ZAMBIA ZNBC 2/4 0305 lang, Afr mx, Radio 1 IDs (Roge-MA) 1/19
 0240 IS, chorus, ID, lcl mx (Clar-ON) 1/5 0327 mx, ment Zambia
 & Lusaka (Barr-ARG) 1/5 0430 EG, drums, birds (Newb-NE)
 4914 GHANA GBC 1/3 lang tlk, chant, some EG (Newb-NE)
 4914.6 PERU R Cora 12/12 0337 instl mx, ID, QRM (Serr-IT)
 4919 ECUADOR R Quito 1/4 0446 nx, dance mx, ment 24-hr nx (MacD)
 1/6 0259 folk mx, ID (Barr-ARG) 1/4 LA mx (Newb-NE) 12/7
 0616 ballads, IDs (Serr-IT)
 4920 INDIA AIR Madras 1705 Tamil mx pgm (Vagh-MAUR)
 4925 SUMATRA RRI Jambi 1/26 1152 pops, SCI, ID, nx (Hill-MA)
 4926.5 BOLIVIA R San Miguel 1/18 1015 anmts, TC, IDs (Mohr-VT)
 4930 HONDURAS R Int'l 1/26 1200 ID, rel pgm (Robi-TN)
 4935 KENYA KBC 2/2 2106* soul mx, ID, nx, NA (Maro-NY) Tnx! 1/14
 1915 mx, ID, TC, anmts (Vagh-MAUR)
 4945 BOLIVIA R Illimani 1/28 1044 tlk, mx, ID, p-f (Famu-JP) 1/30
 1033 lite instls, ID, fair //6025 (Alex-PA)
 4950 ANGOLA RN 1/5 0220 ballads, pops, tlks //3375 (Alex-PA)
 4955 COLOMBIA RN 1/5 0415 salsa, ID (Newb-NE) 12/14 0326 live
 festival, folk mx, ID (Serr-IT)
 4960 ECUADOR R Federacion 2/8 *1106 Shuar, OM singing NA, rustic
 vcls, anmts (D'Ang-PA)
 4960 SAO TOME VOA 1/19 0300 VOA Sunday pgm (Maro-NY)
 4970 INDIA AIR Shillong 1608 rpt on police, HD speech, ID (Vagh)
 4974.8 PERU R del Pacifico 1/29 1056 rel, hymns, IDs, TC (Mohr-VT)
 4980 VENEZUELA Ecos del Torbes 1/4 salsa mx (Newb-NE)
 4985 BRAZIL R Brasil Central 1/5 2345 mx, promos (Newb-NE)
 12/9 0153* songs alt w/anmts, ID (Serr-IT)
 4990t CHINA Hunan PBS 1/29 1515 CH tlks, some mx, fair (Flynn-OR)
 4991 PERU R Ancash 1/5 0216 folk mx, ID (Barr-ARG)
 4996.3 PERU R Andina 2/8 1044 tlks, screams, ID, TC, ads (D'Ang-PA)
 5000 VENEZUELA YVTO 1/20 2310 SP TC, IDs, TP (Roge-MA)
 5003.7 RIO MUNI RN 12/1 2006 tribal mx, fair (Serr-IT)
 5005 NEPAL RN 1/6 1205 vy weak (Ripp-VA) 12/9 0132 tlks, chants
 poor (Serr-IT)
 5009.5 MADAGASCAR RM 1/20 0256 IS, NA, ID, choir, exc (Berg-MA)
 1/21 0256 IS, NA, anmts, lcl mx (Kohl-PA) 1/24 0030
 on for Ramadan, tlk, Afr mx, pops, ID 0203 (Alex-PA)
 5010 INDIA AIR Thiru. 1/21 0214* HD nx, SC mx, anmts (Kohl-PA)
 1/19 0050 tlk pgm, TP, etc (Clar-ON)
 5019.6 COLOMBIA Ecos del Atrato 2/2 2245 futbol, echo ID (Maro-NY)
 2/1 0447 tlk abt liberacion, Caracol ID, NA (Race-MI) 1/15
 0409 nx, IDs //5078 (Renf-NY)

5019.9 PERU R Horizonte 1/29 1010 mx, TCs, ads, ID (Mohr-VT)
 1/30 1000 NA, anmts, ID, OA mx (Alex-PA)

5020 NIGER LV du Sahel 2/1 2230 FR ID, tlk, pops (Race-MI) 12/7
 0549 nx, drumbeats, anmts, tribal chants (Serr-IT)

5020 SOL ISL SIBC 2/2 1030 preaching, When the Saints go Marching
 In, BBC nx (Race-MI)

5025 BENIN R Parakou 2/1 2255 FR tlk abt Afr, ID, NA (Race-MI)

5025 CUBA R Rebelde 12/14 0314 nx, ID, TC, tlk abt Cuba (Serr-IT)

5030nf CHINA CNR 1/22 1605-1730* EG IDs, violin, lang lesson,
 NA //6030, good (Trei-WA) 1/18 2110 CH tlks, orch mx, 5+1
 TP, think Yunnan used this freq years ago? (Hill-MA)

5030 COSTA RICA AWR 1/5 2345 Christian pops, EG ID (Newb-NE) 12/9
 0117 sermon, mx, ID (Serr-IT)

5047 TOGO R Lome 1/19 2200 FR ID, nx, vcls, read book (Maro-NY)
 12/7 0538 Afr pops fair (Serr-IT)

5050 CHINA Vo Strait 1/5 1445 CH tlks, soft pops (Newb-NE)

5050 INDIA AIR Aizawl 1/13 *0030 tone, IS, chorus, ID (John-CO)

5050.1 TANZANIA RT 2/2 *0330 EG s/on ID, NA, pops (Clar-ON) 1/17
 1803 EG nx, cmtry, ID, FC (Vagh-MAUR) 1/21 0422 EG nx (Renf)

5050.4 ECUADOR R Jesus 1/26 0904 romantic mx, promo, kids singing
 (Berg-MA) 12/7 0522* FM relay, ballads, ads (Serr-IT) Both
 Jerry & Giovanni hrd IDs as R Francisco Estereo.

5066.1 ZAIRE R Candip 2/9 0332 lang tlks, faded by 0400 (D'Ang-PA)
 2/2 0440 moderate but slop from Caracol 5076 (Clar-ON)

5070 USA WWCN 1/8 0430 right wing pgm (Newb-NE)

5076.9 COLOMBIA Caracol 1/4 1215 nx, promos, ID (Newb-NE)

5100 LIBERIA RL 1/21 2303 pops, rap mx, ID (Kohl-PA) 2/2 0100*
 Afr chorus, anmts, ID (Alex-PA)

5160 UNID 1/15 0408* merengue mx, wide sig, horrible sound.
 R Barahona? (Renf-NY)

5220 CHINA CRI 2012 EG nx, fertilizer ad, ID etc (Vagh-MAUR)

5250 CHINA CRI 2035 FR nx abt Clinton, 2044 ID, cmtry (Vagh-MAUR)

5295 CHINA CRI 2026 instl mx, opera, tlk //5320 (Vagh-MAUR)

5385.2 PERU R Huarmaca 2/6 2355 Andean mx, anmts (Kohl-PA)

5407.2 CLAND Vo Prov Govt 1/19 1142 Cambodian YL tlk, fair (Famu-JP)

5550 CLAND Vo Tigray Rev 1/5 0355 IS, echo ID, tlk //7515 (Barr)
 1/19 0415 mx, tlk //7515, flutes (Renf-NY) 12/14 0417 orch
 mx, anmts (Serr-IT)

5594.5t VIETNAM Lao Cai 2/9 1143 mountain lullaby, weak (Hill-MA)

5767 PERU R Universal 2/4 1045 huaynos, pgm promo, ment Moyobamba
 (Moor-IA)

5770 NICARAGUA R Miskut 12/31 2356* LA mx, NA (Alex-PA)

5818.8 PERU R Victoria 2/3 0320 ment town ending in "bamba." capital
 de Peru & via satellite. Spur of 6018? (Moor-IA)

5860 ECUADOR HCJB 1/12 0736 EG nx, greetings, fair (Famu-JP)

5875 CYPRUS BBC 2057 EG ID, RS pgm (Vagh-MAUR)

5882 VATICAN RV 1/26 2108 EG, IS, into SP 2110 (Lamb-NY)

5890 HONDURAS HRMI 1/19 1229 kids singing, ID (Mohr-VT) 1/11
 1305 rel, ID as Radio MI (Alex-PA)

Thanks to all contributors. Another great one! MAHENDRA's loggings are very interesting & he obviously understands sev languages! Since your name ends in an "A," I was wondering if you are a woman. I apologize if I got it mixed up. A couple new contributors including MICHAEL BEU, whose name is shorter than my 4-letter abbreviations. Clar-ON is David Clark not Jim Clar. I hope the above loggings will help you log some new stations. Another possible confusion is John-CO. This is well known DXer Hans Johnson, not other well known DXer John Wilkins who also lives in Colorado.

I'm listening to DX Party Line and Ken MacHarg has also mentioned Brunel also plans a return to shortwave! Yay!

International Band Loggings

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

- 5910nf GERMANY West Coast R Ireland relay in EG 0100, Irish mx, mailbag, g-exc (MacDonald WA 1/2)
- 5915 UKRAINE RUI in EG 0102, nx, cmntry, mx, ID (Levison PA 1/17, Vaghjee MAURITIUS 1/14)
- 5920 FRENCH GUIANA RFI relay in SP 0515, press review, FR pop mx, ID (Weissborn TX 1/12)
- 5955 COLOMBIA Caracol Villavicencio in SP 1130, ID's, ads, mixing w/R Cultural (Johnson CO 1/31)
- 5965nf TURKEY VoT in EG/FR 2020, pgm re Koran, TK mx, ID, //7150 (Lamb NY, Levison PA 1/29)
- 5965 CUBA RHC in SP 0445, "Sondido Cubano" pgm, songs/interviews, ID (Weissborn TX 1/12)
- 5975 UZBEKISTAN R Tashkent in EG 1159, translat'n of Pres New Years message, mx (Maroti NY 1/5)
- 5990 THAILAND BBC relay in EG 1320, "Newshour", featuring Peru hostage crisis (Racenis MI 2/1)
- 5990 COSTA RICA RE Espana relay in SP 0200, IS, ID, SP political & econ nx, g (McGuire MD 1/28)
- 6010 MEXICO R Mil in SP 1103, LA mx, slow ballads, canned promos, frequent ID's, "Bridge Over the River Kwai" theme (Ziolkowski 1/12, Kohlbrenner PA 2/9) in SP 0350, nx, ads, f (MacDonald WA)
- 60148v COLOMBIA R Mira in SP 0500*, vcls, anmts, ID w/call ltrs, singing NA (Paszkievich WI 1/26)
- 6015 SINGAPORE R Singapore Int in EG 1308, tlk, guitar-based mx, //6155 w/ORM (Clark ONT 1/26)
- 6025 NIGERIA R Nigeria in lang 2154, tlks in lang, ID, in EG, 5+1 pips, EG nx, f (D'Angelo PA 2/7)
- 60652v nf COLOMBIA HCJC Colmundo in SP 1026, 4 full mins of ID, nx 1030, SP male vcls, QRM from CFRX 6070, TC's, p-g (Mohr VT 2/5, Berg MA 1/29, Moore MI 2/3) Super R formerly on fqy.
- 6085 GERMANY Bayer Rundfunk in GM 2046, GM pop mx, phone call-ins, ID, nx (Racenis MI 2/1)
- 6090nf ANGUILLA Caribbean Beacon in EG 0000-0700, Dr Gene Scott booming in and expounding on subjects, difficulties w/authorities etc, gospel mx (Paszkievich WI, Maroti NY, Flynn OR)
- 6090 CHILE R Esperanza in SP 1930, preaching, relig mx, ID's (Barrera ARG 1/5, Renfrew NY 2/2)
- 6095nf7 ANGOLA VORGAN in PT 1934-2059*, hi-life mx, pop vcls, TC's, ID, and return next day at "5 horas 40 minutos"(0440 UTC) on 9750, NA, QRM to 1957, clear after (Hill MA 2/1)
- 6111v MOZAMBIQUE RM Maputo in PT7 2115, ezl pops, tlk in peppy VORGAN style, p (Hill MA 2/1)
- 6120 CANADA R Japan relay in EG 1138, cmntry re different dialects in Hong Kong (Levison PA 12/24)
- 6130 SRI LANKA SLBC Com Svc in EG 0724, sked, ad, ID, mx, pips, gone by 0732 (Vaghjee 1/26)
- 6130v LAOS Lao Nat R Vientiane in Lao 1158, ID, 7 tolls on "big bell", nx, f (Rippel VA 1/16)
- 61351 BRAZIL R Aparecida in PT 0858, ballads, TC's, ment Sao Paulo, ad, promo, ID (Mohr VT 2/2)
- 6140 ALBANIA R Tirana in EG 0230, IS, ID, political & economic nx, p (McGuire MD 1/24)
- 6150nf ITALY RAI Rome in EG 2208, nx, IT post-war films need restoration, ID, mx (Famularo JP 1/28)
- 6150 KENYA KBC Koma Rock in lang 2054-2110*, hi-life mx, 4 pips, tlk, NA* (Renfrew NY)
- 6155 BOLIVIA R Fides in SP/Aymara? 1032, Andean mx, ID, phone-ins, TC, ad, anmts re Bolivian politics, field nx rpts, folk mx, charango player (Moore MI 2/3, Mohr VT 1/24)
- 6155 AUSTRIA RAI Vienna in GM 1918, tlk by YL, GM type mx, ID in GM & EG, f (Levison PA 1/6)
- 6159v nf7 NORTHERN CYPRUS R Bayrak (p) barely discernable from 2150-2203*, heavy QRM thus no definite audio, rpts say reactivated station, last hrd 1993 (Clark ONT 1/31, Hill MA 2/7)
- 6160 SRI LANKA D Welle relay in EG *2300, ID, world nx, Ecuadorian Pres ousted (Famularo JP 2/7)
- 6160 CANADA CKZN St Johns Newfoundland in EG 1112, CBC nx, promo, lcl wx, f (Moore MI 2/3)
- 6165 ZAMBIA ZNBC Radio 2 Lusaka in EG 0245, fish eagle IS, NA detectable under Radio Nederland (Clark ONT 1/19) in EG 2136-2204*, hi-life mx, feature "We Are the World", NA (Hill MA 2/1)
- 6165 INDIA AIR Delhi in Sindhi 1247-1400, tlk, vcls, nx, no understandable ID hrd, f-g (Ziolkowski NY)
- 6185 MEXICO R Educacion in SP 1050, classical mx, ID ment MW outlet, ads, PSA's (Bueneman MO)
- 61945 BOLIVIA R Metropolitana in SP 0933, ad, TC's, many ID's, g until 0950 BBC* (Kohlbrenner 2/9)
- 6260nf GREECE V of Greece in GK/EG 0100-0349*, tlk, mx, EG nx, //7450 (Alexander PA 2/1)
- 63972 NORTH KOREA Pyongyang BC Stn(p) in KR 1205, emotional tlk, vcls, p (Ziolkowski NY 2/1)
- 6480 SOUTH KOREA RKI in EG 2130-2200, "Shortwave Feedback", ID, sked, p (Maroti NY 1/5)
- 6480nf PERU R Altura in SP 0308*, folk mx, listener phone-ins, ID, f-g, move from 7143 (Moore MI 2/3)
- 7100nf CHINA CNR-1 in CH 2213, unlisted outlet //7935 & 6840, some ham QRM (Hill MA 1/18)
- 7105 PHILIPPINES R Veritas Asia in CH *2227-2256*, ID in EG, relig pgm/mx (Maroti NY 12/30)
- 7115 CYPRUS BBC relay in HG 2200-2230, "Kaleidoscope", nx, cultural pgm (Maroti NY 1/11)
- 7160 ALBANIA R Tirana in EG 0146, nx re Albanian/Yugo relations, ID 0150 (Tucker GA 2/4)
- 7170 RUSSIA China R Int relay in EG 2227, cooking lesson, ID, "China Scrapbook" (Famularo JP 1/25)
- 7180 UKRAINE RUI in EG 0105, mainly political nx w/mention of Belgium, ID, g (McGuire MD 12/5)
- 7185 BANGLADESH RB Dhaka in EG 1228*, flute IS, YL with poor modulation (Hill MA 1/18)
- 7185 SOUTH AFRICA Channel Africa in PT 0455, Cyndi Lauper mx, ID, IS (Paszkievich WI 1/1)
- 7215 IVORY COAST RTV Ivoirenne in FR 2307, pop song, tlk, ID 2313, f (Racenis MI 2/1)
- 7225 CHINA Sichuan PBS Chengdu in CH/EG 1410, locally-produced EG lang lesson w/American OM & CH YL assistant, at times seemed not very well prepared w/awkward ad-libs (Famularo JP 1/21)
- 7230 IRAN VOIRI in EG 2147, nx re Serbia, ID, cmntry on coming "National Day" (Famularo JP 2/6)
- 7290 CHINA CPBS-1 in CH 2320, lively upbeat OM/YL dialog, CH vcls, ID's, //7504 (Hill MA 2/7)
- 7295 THAILAND R Thailand in EG 1900-2000, nx, cmnty, ID, f (Alexander PA 1/19) 500 kw US xmtr

- 7325 AUSTRIA RAI Vienna in EG 0030, features, econ mx, ID (McGuire MD, Pasquale PA, Fraser MA)
- 7335 BULGARIA R Bulgaria in EG 2045, rpt on dairy farm improvements, CHU under (Fraser MA 1/13)
- 7365 ALASKA KNLS in EG 1314, mx, ID, relig pgm "Upside Down Kingdom" (Racenis MI 2/2)
- 7405 CHINA CRI Jinhua in EG 1403, ID, nx re China, fertilizer ad & phone # to order (Ziolkowski 1/5)
- 7415 BOTSWANA VOA relay in EG 0420, "Business Report", ID, nx, Daybreak Africa (Tucker GA 2/6)
- 7430nf RUSSIA R France Int relay in CH 1201, nx with rpt on hostage crisis in Peru (Famularo JP 1/28)
- 7500 ROMANIA R Moldova Int relay in EG 2205-2225*, nx features, QTH, p (Renfrew NY 2/6)
- 9080 CHINA CNR-1 Beijing in CH 2024, orch with Oriental theme, f, //9290, 7935, 7504 (Hill MA 1/18)
- 9275usb ICELAND INBS Reykjavik in IC 1845, IS, tlk by OM, short mx, //7735 (Vaghjee MAURITIUS) in IC 2259-2332*, tlk by OM & YL, theme mx, gongs 2302, //11402 (Alexander PA 2/1)
- 9445 ALBANIA TWR Cerrik in Armenian 1600, IS, "Transworld Radio" ID, tlk, mx, f-p (Renfrew 2/5)
- 9465 SLOVAKIA AWR in EG *2058-2131+, IS, relig pgming, into unid lang 2130 (Alexander PA 1/19)
- 9485 FRANCE RFI Allouis in EG 1705, nx, ID, sports, Asian File, tlk re tigers (Vaghjee MAURITIUS)
- 9500 SWAZILAND TWR in EG 0800, mx, relig cmnts, "Inside Living" pgm (Vaghjee MAURITIUS)
- 95049 BRAZIL R Record in PT 0915, tlk, interviews, ID "Radio Record de Sao Paulo" (Mohrman VT)
- 9505v PERU R Tacna in SP 1047, tlks, lots of TC's, ID, nx, f/o 1200 (Mohrman VT, Moore MI 2/3)
- 9525 INDONESIA VOI Jakarta in EG 0810, nx, ID, tlk on Indonesian industries & economic systems (Vaghjee MAURITIUS) in EG 2025-2100*, mailbag pgm, pop mx (Maroti NY 1/12)
- 9535nf THAILAND R Thailand in EG 2032-2112*, nx, feature on airport authority, lite mx, tlk re economic devel plan, into SEA lang 2046, ex-11805 (Renfrew NY 1/31, D'Angelo PA 2/7, Hill MA 2/8)
- 95602 ETHIOPIA Radio V of Peace Gedja in Somali 1908-2000*, Somali vcls, horns, instrmls, ID in EG 1959, no sign of "R Amharo" handle, fuzzy audio (Hill MA 1/25, D'Angelo PA 2/7)
- 9565 RWANDA D Welle relay in EG 0925, German lang lesson, ID, mx, fcy (Vaghjee MAURITIUS)
- 9580 AUSTRALIA RA Shepparton in EG 1130, "Book Talk" by author, ID, g (Fraser MA 1/9)
- 9595 URUGUAY R Monte Carlo in SP 0002-0224*, many ID's, nx type features, ads, vcls, classical mx, "Tangos a Media Luz", "Aqui Roma" nx in IT & PT (D'Angelo PA 2/7, Maroti NY 12/30)
- 9595 JAPAN R Tampa Tokyo in JP 2038, ID, ad, time tone, tlks (Ziolkowski, Hill MA 1/18)
- 9610 CONGO RTV Congolaise in FR 0815, tlk on human rights, health care, Afr mx (Vaghjee MAUR)
- 9619 MOZAMBIQUE R Mocambique in PT 0836, Afr mx, tlk, chime, ID, nx (Vaghjee MAURITIUS)
- 9625 CANADA CBC Quebec Service in EG 1328, ID, mx, feature, nx, wx (Tucker GA 2/1)
- 9625 BOLIVIA R Fides La Paz in SP 1302, political tlks re Bolivia, //6155 (Barrera ARGENTINA 1/5)
- 9630 INDONESIA RRI Jakarta in IN 0958, IS, ID, into Nat pgm, fcy, orch, Bali mx (Vaghjee MAUR)
- 9640nf? BOTSWANA R Botswana in EG/Vern 0248-0410+, barnyard IS, tlk, lcl chorl mx, "Afro-rap" mx //3356, 4820, f-g (Alexander PA 1/4) in Vern 2159*, Xmas mx, //4820 (Maroti NY 12/26)
- 9650 CANADA R Korea relay in EG 1130, KR nx, polit cmntry, KR songs (Weissborn TX 1/31)
- 96501 URUGUAY Emis Ciudad de Montevideo in SP 2132*, instrmls, vcls, ID, p (Kohlbrener PA 2/7)
- 9675 BRAZIL R Cancao Nova in PT 2212, relig tlk, ID, //6105, 4825 (Hill MA 1/25, Pasquale PA 2/1)
- 9690 ROMANIA RRI Bucharest in EG 1937, Europe at the end of 1997-predictions (Fraser MA 1/15)
- 9700 EGYPT V of the Arabs in AR 2013, AR mx, tlks, ID at 2020 in AR (Barrera ARGENTINA 1/5)
- 9700 INDIA AIR Aligarh in Sinhala *1300, "Song of India", into sitar number, tlk, p (Hill MA 2/1)
- 9705 MEXICO R Mexico Int in SP/EG 0339, non-stop Mex mx to 0358, ID, into EG 0359, fcy, QTH, req rpts, nx, feature (Lamb NY 1/26) in EG 1555, pgm on poetic literature, ID, QTH, into SP 1628 (Alexander PA 2/1) in SP 2336, Mex mx, ID 0001, nx (Tucker GA 2/3)
- 9725 BRAZIL R Clube Paranaense in PT 2123, futbol match, ads, ID, buried by VOA *2200 (Hill MA)
- 9785 CHINA CRI Xi'an in EG 1530, tlks, some Xmas mx, ID's, sked, into TK 1600 (Ziolkowski 12/24)
- 9800 EGYPT Egyptian RTV Union relay HS in AR 0833, drama, tlk, ad? (Vaghjee MAURITIUS 1/19)
- 9840 VIETNAM V of Vietnam Hanoi in EG *2030, ID, orch theme, p, //120195 better (Hill MA 2/8)
- 9875 SAUDI ARABIA BSKSR Riyadh in AR 1902, Islamic chants, ID 1903 in AR (Tucker GA 2/2)
- 9870 AUSTRIA R Austria Int Vienna in EG 0235, ID, classical mx, g (McGuire MD 1/26)
- 9910 INDIA AIR Bangalore in Dari 1358, sub-cont mx, vcls, tlk, f (Ziolkowski 2/1)
- 11585 INDIA AIR Bangalore in HD *1230-1600*, ID, great sub-cont mx (Rippel VA 1/5)
- 11615 FRANCE R France Int Allouis in EG 1250, lang lesson, "working hours", g (Fraser MA 1/18)
- 11650 SWEDEN R Sweden in SW 1130, ID, nx re Sri Lanka & Bosnia, Montenegro (Robinson TN 1/28)
- 11655 MADAGASCAR R Nederlands relay in EG 2012, origins of Dutch place names (Fraser MA 1/19)
- 11690nf? JORDAN R Jordan in EG 1320, DX pgm, concert hr, features (Maroti NY 1/11, Ziolkowski 2/1)
- 117341 TANZANIA R Tanzania Zanzibar in SH 1855-2059*, ME-style mx, pips, ID, nx 1900, lcl chants, folk mx, NA at s/off (Alexander PA 1/19, Racenis MI 1/31, Vaghjee MAURITIUS)
- 11750 QATAR QBGS in AR 1630, tuned in at ID "Idha'at u-qatar min al-doha" (Hill MA 1/12)
- 118004 ETHIOPIA R Voice of Peace Gedja in Somali 1921, horn instrmls, tlk, //95602 (Hill MA 2/1)
- 11815 POLAND R Poland Warsaw in EG 1310, tlk re possible reunity Belarus-Russia (Pasquale PA 1/17)
- 11830 BRAZIL R Anhanguera Goiania in PT 2349, ad strings, jingles, pips, ID w/fanfare (Flynn OR 1/28)
- 11835 BOSNIA R Yugoslavia relay in EG 1348, cmntry on Serbia/Montenegro, ID (Tucker GA 2/7)
- 11840nf? SEYCHELLES FEBA in Urdu(p) 1413*, ending xmsn after IS, p, move from 11670? (Hill MA 2/9)
- 11840 NORWAY RNI in EG 1615, feature on Norwegian art, g (Fraser MA 1/19) EG pgm on Suns only.
- 11850 LIBYA V of Great Arb Homeland in AR *1745, test tone til s/on anmt "Saut al-watan al-arabiyah kebir, saut...arabiyah", f-g with phone-quality audio, //9700 (Hill MA 1/19)
- 11865 SRI LANKA D Welle relay in GM 1322, pgm re scientology & other cults (Racenis MI 2/1)

- 11895 SO AFRICA VOA relay Meyerton in PT *1830. EG s/on, into PT pgm for Angola (Field MI 2/5)
- 11905 THAILAND R Thailand in EG 0036, nx headlines, into Thai at 0133, f but choppy (Hill MA 2/1)
- 11940 ROMANIA RRI Bucharest in EG 1315, pgm on RM traveling theater, ID, g (Terrence NY 1/25) in EG 1330, rpt on RM engin prof who got award for research on friction (Weissborn TX 1/26)
- 11950 USA WINB Red Lion, PA in EG 0000, US gospel mx, finally reactivated but irregular and does not appear to be on regular sked yet. Not hrd on rechecks Feb 1 and 2 (Alexander PA 1/31)
- 119548 ANGOLA R Nac de Angola in PT 2247, unreadable echo anmts, Technopops?, nx at 2300, no ID's but everything in hyper VORGAN style, ments of R National, f, //49501 vp (Hill MA 2/8)
- 11960 ECUADOR HCJB Quito in EG 2030, "Joy International"-relig pop mx, f (Fraser MA 1/12)
- 120195 VIETNAM V of Vietnam Hanoi in EG 1230, nx re week's events, VT mx, p (Rogers MA 2/1)
- 12045 SRI LANKA R Japan relay in EG 1400-1500, nx, fqys, site ID, JP lang lesson, "Media Roundup" 1996 Hit Parade, interview w/Larry Magne, PWBR Ed (Ziolkowski, Maroti NY, Weissborn TX)
- 13580 CZECH REPUBLIC R Prague in EG 1418, "Media Czechs", CZ to join NATO (Fraser MA 1/19)
- 13780 GERMANY Deut Welle in GM 1353, orchestral mx, ID in GM 1400, nx (Tucker GA 2/4)
- 15110 MALI China Radio Int relay in EG 2000, "Chinese Snapshot", mailbag pgm (Maroti NY 1/5)
- 15125 INDONESIA RRI Jakarta in IN 0013, National pgming, dedications, ads, f (Flynn OR 1/19)
- 15160 ALGERIA R Algiers Int in EG 1400, nx, comments from Algerian newspapers, p (Rogers MA 1/26)
- 15240 SO AFRICA Chan Africa in EG 1625, "Contact on Africa", pop Afro mx, ID (Newbury NE 1/12)
- 15265 BRAZIL R Nac Brasilia in EG 1820, world nx, cmntry, ID, BR mx, exc (Levison PA 1/7)
- 15280 THAILAND BBC relay in EG 0009, world service "Newsdesk", feature, p (Flynn OR 1/28)
- 15315 NETHERLANDS ANTILLES R Netherlands relay in EG 1932, nx, wx, mx, exc (Levison PA 1/11)
- 15345 SAUDI ARABIA BSKSA in AR *1200, IS, NA, brief tlk, recitations (Famularo JP 1/31)
- 15350 IRAN VOIRI Teheran in AR 0727, OM tlk to 0730, IS, ID, nx, f (Famularo JP 2/6)
- 15380 SPAIN RE Espana in SP 1710, xmsn to N AM, sports roundup, ID, g (Newbury NE 1/12)
- 15425 SRI LANKA SLBC in EG 1425, 1940's American mx, nx at 1500, f (Rogers MA 1/26)
- 15445 BRAZIL R Bras in EG 1200, "Brazilian Panorama", carnival mx, ID (Rogers MA, Tucker GA 2/8)
- 17545 ISRAEL Reshet BET in HB 1303, ID, musical sels, news (Tucker GA 2/6)
- 17605 NETHERLANDS ANTILLES RN relay in EG 1955, tlk re future of R Australia (Newbury 1/23)
- 17745 ROMANIA RRI Bucharest in EG 1342, ID, feature on statues in Bucharest (Tucker GA 2/1)
- 17755 ASCENSION ISLAND VOA relay in EG 2045, "Nightline Africa", feature, f (Newbury NE 1/12)

CLANDESTINE STATIONS

- 6095 ANGOLA A Voz de Resistencia do Galo Negro (VORGAN) in PT 2050-2102*, lively mx pgm, ID, 2059, fqy anmt, s/off by YL prior to orch NA, g (D'Angelo PA 2/8)
- 7355 TAJIKISTAN R Free Asia in EG/RS *1300, Tibetan pgm w/YL & OM tlks (Famularo JP 1/12)
- 8000 ERITREA V of Sudan in AR 0454, Bob Marley's "Stand Up, Stand Up", ID 0500 "Idhat Sawt Sudan", lots of noise, more traditional mx at 0520 with OM announcer (Renfrew NY 2/7)
- 8300 CHINA New Star BC Station in CH 1235, YL reading numbers, f/o 1242 (Hill MA 1/26)
- 9930 UKRAINE V of Oromo Liberation in lang *1600, IS & introductory theme, brief anmt, mx, into tlks, poor at first but somewhat better by 1610, gone by 1700, ex 9870? (Hill MA 2/8)
- 13800 TAJIKISTAN R Free Asia in CH 2337, tlks, //7530, 7495, nothing on ancd 6240 (Famularo 1/14)

MAYBES AND DON'T KNOWS

- 5935 LATVIA(?) R Latvia Riga in EG? 2127-2136*, old rock song, s/off as PWBR listed (Hill MA 1/24)
- 62212 UNIDENTIFIED In lang? 2232-2253*, Asian sounding mx, poss NA at s/off (Kohlbrenner PA 2/8)
- 7125 UNIDENTIFIED In lang? 2243-0115 recheck, M East vcls, Russians underneath, //7220 (Hill 1/19)
- 7205 RUSSIA(?) TWR Vladivostok? in CH 1200, relig mx?, ham QRM (Field MI 2/10)
- 7245v MAURITANIA(?) R Mauritania in AR 1908, tentatively Nouakchott again, harangues interspersed w/flutes & Qur'an reading, almost buried by R Liberty s/on 2200 (Hill MA 1/13-19)
- 7400 RUSSIA(?) V of Tibet relay(p) in lang 1230-1300, tone run-ups 1216, exotic IS 1223, many brief ID's(p) interspersed in IS melody, signal fair (Berg MA 1/28)
- 7430 RUSSIA(?) TWR Irkutsk(p) in EG? *1200, relig pgm, weak (Field MI 2/7)
- 7550 TAJIKISTAN(?) R Free Asia(p) in Tibetan *2258, s/on w/EG ID, into long tlks in Tibetan, //7415, multiple ID's and s/off anmts at 0000, both fqys weak (Alexander PA 1/11, D'Angelo PA 2/6)
- 97062 NIGER(p) La Voix due Sahel(p) in lang? 1316, barely heard under R Mexico (Clark ONT 1/26)
- 9950nf? CHINA China Nat R (site?) in SP 0321, tlk on CH tourism, CH mx, mentions of Fuzhou province, perhaps Mali or French Guiana relay? (Lamb NY 1/24)
- 9990 EGYPT(p) R Cairo(p) in IT 1805, tlks by OM & YL, some mx, f-p (Levison PA 1/6)
- 13361 LSB ARGENTINA R Rivadavia(p) in SP 2310-2350*, two OM's announcing futbol match between Argentina-Paraguay, SP pop mx, abrupt s/off, weak sig (D'Angelo PA 2/7, Alexander PA 1/25)
- *****

My apologies for any items misclassified under the Clandestine section and vice versa. I'm still trying to figure out the shades of difference between the two. It's especially tough in countries like Angola where legitimacy grows out of political triumph.

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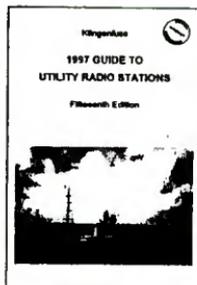
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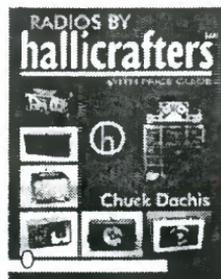
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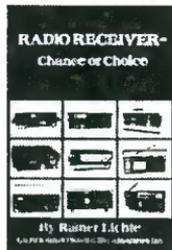
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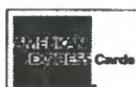
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The Journal of the
North American Shortwave Association

ISSN 0160-1989

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

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Wildflower Road, Levittown, PA 19057

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