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JAPAN SHORT WAVE CLUB

P.O.Box 29, Sendai Central 980-8691

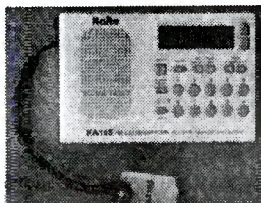
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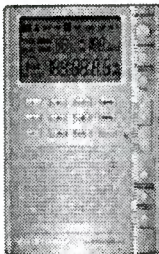


The Kaito KA105 has a striking aluminum alloy front panel. This stylish portable tunes AM from 520-1710 kHz (10 kHz steps), shortwave from 5.95 to 15.60 MHz (5 kHz steps) and FM from 87.5 to 108 MHz. Tuning is easy with manual tuning, seek tuning, memory tuning and direct keypad entry. It features 30 memory presets. A dual 24 hour clock has alarm and sleep functions. Other controls include: stereo-mono switch, lock switch, and LCD lamp switch. There is a jack for external power (3-5 VDC) or the radio operates from two AA cells (not supplied). There is a built-in ferrite antenna for AM and a telescopic whip for SW and FM. There is also an external antenna jack for SW. The KA105 comes with: AC adapter, cloth carry pouch, external wire antenna, wrist strap and stereo earbuds. Size: 4.25x2.9x0.9 inches (110x70x20mm). One year limited mfg. warranty.

Kaito KA105 Order #0105 \$49.95

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The Par EF-SWL is an end-fed short wave antenna optimally designed for 1-30 MHz reception. The radiator is 45 feet of genuine #14 gauge black polyethylene coated Flex-Weave wire (168 strands of #36 gauge woven copper). This material is very strong yet can easily be coiled like a rope for portable work. The UV resistant matchbox houses a wideband 9:1 transformer wound on a binocular core. Unlike other transformers, external stainless studs on the matchbox allow the user to configure the primary and secondary grounds for best noise reduction at their particular location. Output is via a silver/teflon SO239 UHF connector. The radiator also attaches via a stainless stud allowing it to be removed, or replaced with a different length radiator for experimental purposes.

Par EF-SWL Order #2205 \$57.95



The Gap Hear It Module is an inline filter with up to -20db of noise attenuation selectable at 8 levels. It features a Sensitivity Control knob. Audio input and output is via 3.5 mm mono mini jacks or RCA phone. There is also a headphone socket. This device requires 12 to 24 VDC at 500 ma. It is supplied with a 3.5mm-3.5mm audio cable and fused power leads. Size: 6.75 x 3.325 x 1.375 inches, 1 pound. Made in England.

HEAR-IT Order #4048 \$194.95

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Be Prepared! FR-200



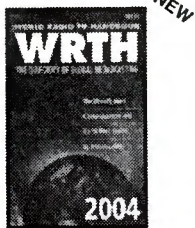
Be prepared with the Grundig FR200 emergency radio. This affordable analog portable receives AM, FM and shortwave (3.2-7.6 and 9.2-22 MHz.). The FR200 operates from a wind-up generator, 4.5VDC or 3 AA cells. Turning the generator for 90 seconds charges the supplied, replaceable NiMH cells for 40 to 60 minutes of operation. A concentric Fine Tune knob provides smooth, precise tuning. With carry handle and black canvas carry case. Includes a built-in, bright emergency light. Nice audio. 6.75x5.75x2.75 inches. #2200 \$39.95 We also offer the new FR200G yellow version with the AC adapter included. #2257 \$49.95



PASSPORT TO WORLD BAND RADIO 2004

By Larry Magne. A must have book for every worldband listener. Here is everything you need to know about when and where to hear the world; hour by hour, country by country and frequency by frequency. Also includes candid, hard-hitting reviews of current portable and worldband radios. An expanded station address section is also featured. Passport is the world's number one selling shortwave guide. An indispensable reference with 592 pages.

Order #1000 \$29.95 Sale \$18.90



WORLD RADIO TV HANDBOOK 2004

This long established publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, plus receiver reviews. WRTH Pub. 2004 Ed. A huge 692 page reference.

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The 17th annual Winter SWL Festival is next month! My how time flies so if you have not made your plans to attend, I would suggest making that an immediate priority. **Rich Cuff**, **John Figliozi** and a team of energetic volunteers make this club sponsored event the place to be in March. It is a great event that brings together a lot of radio enthusiasts for a wonderful weekend of fun. As usual, the schedule is jam packed with interesting forums. Continue watching Rich's *Easy Listening* column for last minute updates. You do not want to miss this event! Register now!!

Our own Dr. DX, **Harold Cones**, has been elected to serve a two-year term on the Association of North American Radio Clubs (ANARC) Board of Directors (BOD). This is a repeat engagement for Harold having served in this capacity in previous years. Harold has been our club representative to ANARC for many years. Also, former *Listeners Library* editor **Skip Arey** has been elected to the ANARC Board for a two-year term. Harold and Skip join fellow NASWANS **Bill Oliver** and **Rich Cuff** who are in the middle of two-year terms on the BOD. **Mark Meece**, Chairman of the BOD, and **Dave Marshall** round out the board.

We are in the midst of a terrific shortwave listening DX season. There have been a number of excellent DX openings and the shortwave band conditions have been good throughout the winter months. I hope you are enjoying the shortwave listening environment. Don't forget to report your loggings to our *Log Report* editors (**Sheryl Paszkiewicz**—*Flashsheet*, **Dan Ferguson**—*Tropical Band Loggings* and **Wally Treibel**—*International Band Loggings*). Also, don't forget about any of our other fine editors. If you have received an interesting station schedule, why not pass along that information to **Al Quaglieri** for the *Listeners Note-*

book? **Rich Cuff** always could use input from members about their *Easy Listening* habits. Of course, **Sam Barto** would like to hear from you about those interesting QSLs for inclusion in the *QSL Report*. *The Journal* is a team effort and every member of the club is a part of the team. Please contribute! Thanks!

The Electronic DX Press (EDXP) is offering for free *The China Shortwave Guide (Second Edition)* electronically as a zipped Excel 7.0 unprotected/unlocked document (46 KB). The data has been extracted from a professional engineering consulting research project assigned to author **Bob Padula**, commissioned by a major engineering company, and is subject to the usual Copyright provisions for the republication of literary works. The Guide has nearly 1000 entries for the B08 transmission season, covering operations from the Chinese Mainland and Taiwan, including China National Radio, China Radio International (CRI), Radio Taiwan International (RTI), the Central Broadcasting System (Taiwan), the Voice of China, and broadcasters outside of China using leased relays in China. It also provides details of offshore relays outside of China for CRI and RTI. Non-official, jamming and "Clandestine" broadcasters are excluded. Provincial and Regional broadcasters are given. The data given is researched from many public and private sources, including material provided by the broadcasters, and supplemented by information made available by professional colleagues and from members of the EDXP. The Guide is free to anyone with an interest in broadcasting from China, for personal non-commercial use. It may be requested by E-mail from this address: bob@engradio.org. All requests must contain a valid E-mail address, real name and postal address. Naturally, your E-mail address will not be disclosed to third parties. I have obtained my own personal copy and

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can highly recommend *The China Shortwave Guide*.

Also, don't forget the serious discussion about "The Future of Shortwave Radio" that is being hosted by **Bob Padula** <bobpadula@engradio.org> and the EDXP. They are inviting all shortwave listeners to "Have your say in this special Open Forum!" It is becoming apparent that traditional shortwave broadcasting is on shaky ground, with continuing cutbacks in analog output and total abandonment of the medium by a steadily increasing number of broadcasters. Some stations urge listeners to tune in to international broadcasters via personal computer, or to prepare to commit large amounts of money into buying of equipment which will allow us to receive Digital Radio Mondial transmissions. In various hobby newsgroups and DX clubs there has been meaningful discussion on many of the points raised. However, very little of these discussions are seen by broadcasters or program producers. Through this forum Bob is trying to bring together the "salient points," in a central "meeting place." He has created a web based public access forum, to encourage anyone with an interest in shortwave radio to offer constructive views and comments, with an objective of producing a Shortwave Broadcasting Information Paper containing the key outcomes. Bob plans to publish the results on the Web, and sent it to all interested parties. Bob and the EDXP believes that the time has come for the global community of shortwave listeners to make a positive and coordinated stance on these issues. Everyone who submits comments to this Forum will receive a copy of the final Information Paper via E-mail. This Forum is public, and anyone, anywhere, may view or post! Broadcasters may also participate. You

may visit the Forum at this URL <http://swfuture.edxp.org>. You may also want to send along your thoughts to me for inclusion in the *Musings* column.

The DX keeps flowing and the best way to stay on top of breaking shortwave news is with the club's electronic *Flashsheet*. After over 100 issues, there is no better way of staying on top of the ever-changing DX situation than with the electronic *Flashsheet*. You can participate by sending your latest logs to the electronic *Flashsheet* edited by Sheryl Paszkiewicz, spasz@dataplusnet.com or P.O. Box 716 Manitowoc, WI 54221-0152. Each week the electronic *Flashsheet* brings a lot of exciting, late breaking DX news and information to our members. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news. This is a service that is only available to members. Deadlines are posted in the *NASWA Flashsheet* each week. If you are a current member of the club and want to receive the electronic *NASWA Flashsheet* just drop **Rich D'Angelo** (rdangelo3@aol.com) a note with your e-mail address, location and membership expiration date from your mailing label.

Remember to please direct all communications about subscriptions, bulletin delivery issues, the use of PayPal as a payment method, etc. to **Bill Oliver** at the club's Levittown address or to his electronic address, weoliver@comcast.net. The regular postal address is the familiar 45 Wildflower Road, Levittown, PA 19057. Inquires sent directly to me in Wyoming only slow down the process. Thanks!

That's it for this month. Enjoy this month's edition of the *Journal*; it's another good one. 

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: P O Box 1458, Levittown, PA 19058). He will forward them to the appropriate editor. Remember, Bob also distributes QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: RMonty23@netzero.net. Please note, this is a **new e-mail address**. The AT&T e-mail address has been discontinued.

FRENDX: Twenty Five Years Ago (February 1979)

Sixty-two new members were introduced in the *Roll Call* column. In the *Headquarters Report*, Mac Leonhardt reported that Bill Oliver and the Levittown Publishing Team successfully completed its first year of operations noting that "we hope their enthusiasm holds for a long time." (I'm happy to report 26 years later that Bill is still our publisher and will soon end his trial work period and become full time, hi!) Bill Whitacre was coordinating a February meeting of Michigan DXers in Lansing. Roger Legge's *USSR High Frequency Broadcast Newsletter* cost only \$3.00 for twelve issues. In Jerry Lineback's *Shortwave Center*, Bill Whitacre wrote about a new Datong Audio Filter, John Tuchscherer wrote about Andorra, Robert Rankin did a user review of the FRG-7700. Diane Lévesque's "What's Happening" column featured pictures and mini-biographies of Bill Oliver, Jon Cohen, Nick Pappas, and Tom Gavaras.

Calendar Of Events

- Feb 20 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: dcsckp@aol.com.
- Feb 20 Meeting. Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: cteditor@aol.com. The URL for the BADX guys is <http://www.anarc.org/naswa/badx/>
- Mar 12-13, 2004 Convention. The 17th Annual Winter SWL Festival**, sponsored by NASWA, will be held at the *Best Western—The Inn at Towamencin* (Kulpsville to the rest of us), located at Exit 31 on the Northeast Extension of the Pennsylvania Turnpike, on 12th and 13th March 2004. Richard Cuff and John Figliozzi co-chair the organizational committee. It's never too early to begin planning. See you there!
- Mar 13 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX)** meets at the Lebanon Citizens' National Bank (LCNB), 425 West Central Avenue (Ohio 73), Springboro, Ohio at 7:00 PM. For more information contact Mark Meece at 937-743-8089 or e-mail at <antennapig@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- May 12-13, 2004 Conference. AIB Global Media Business Conference.** Association of International Broadcasting will hold its third global media conference 12-13 May 2004 in Prague, Czech Republic bringing together public and commercial international broadcasters. Radio Free Europe/Radio Liberty will host the conference at its Prague central offices. The 2004 Conference will build on the previous AIB conferences tackling the problems and concerns of the international broadcasting industry. Further details to follow.
- Jun 4-6, 2004 AGM and DX Camp.** The Danish Shortwave Club International will hold its **Annual General Meeting (AGM) and DX Camp** at Vejers Brach on 4-6 June 2004. Further details will follow.
- Aug 2004 Get-together.** The 11th annual **Madison Get-together for DXers and Radio Enthusiasts** will be held on a Saturday in August 2004 beginning at 1:00 PM CDT in Milwaukee, WI. This is an all-band event. Further information will be provided as we get closer to the event.
- Aug 2004 Convention.** The 10th **Annual Mexican National DX Meeting** for DXers and radio listeners is scheduled for Veracruz. Further details will be published as received.
- Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: rdangelo3@aol.com) or Ralph Brandi (Internet: ralph@brandi.org).

Musings

This column provides a forum where members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email: rdangelo3@aol.com.

John Figliozzi <jfiglio1@nycap.rr.com>, 45 Algonquin Road, Clifton Park, NY 12065-7703

Re: Anker Petersen's projections and your comments thereon in January Journal. There are a couple of DXers reporting from within Latin America on a number of stations that don't show up on the various lists. These appear to be "off frequency" and of very low power, so are only heard close in. And they seem to pop up and then go away all the time. Could this "community radio"-type broadcasting on shortwave be seen as an alternative trend that somewhat ameliorates the trends cited by Petersen? This would be in the use of shortwave tropical band spectrum sense, not the dxing one necessarily.

Terry Klasek <evharben@msn.com>, Saint Louis, MO

I just received the January *Journal*, and what a blast! Much is reminiscent of the past, and the sleek new looks are much appreciated. I was great seeing all those very familiar names within the pages of *FRENDX* or *The Journal*. I was overly active from 1978 through 1983 when this was *FRENDX* and it just sticks in my brain! Sooooo, whenever I say *FRENDX* just read *Journal* ok??

I started DXing in 1965, and have a very large box full of QSL cards and letters in numerous languages. I believe that I had verified 204 NASWA nations or so when I went into hiatus in '83. Now I am back like a roaring madman.

I have many duplicates of QSLs especially from the "Soviet" republics and satellites. wanna trade?? I still recall the squeal of glee when I opened that plain brown envelope in 1980 or 81 to see a plain white card with a gold crest emblazoned with Falkland Islands Broadcasting Corp. You could have slapped my eyes off with a paddle!

Sadly, I must relate that Richard Eddie, longtime DXer and member of NASWA, died of a ruptured aorta in the summer of 1996. His father told me when I tried locating him in 2001. His not-so-better half made him throw away IN THE TRASH over 25 years of QSLs, bulletins, logs, and other goodies!!!! A POX on Norma Jean Eddie!!!!

Rich was a real grand friend, and we DXed at my shack together many times. He lived too close to antennas, and I was by the airport where high antennas are not allowed. I will miss him knowing now that is gone forever. He did not make it to 50 I am sorry to say. I have his picture (in shack) with the shack photo I got from Richard Pistek in 1979. My memorial pages.

I received a very nice check from the VA for service connected disability, and tried to buy out the post office for overseas postage and IRCs. Getting mint stamps too, and need some blank report forms to print off. The holy terror is about to return with a vengeance!!!

Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610

For those of you with Internet capability and an interest to see what a French Creek DXpedition looks like, a comprehensive report is now posted at the DXing.info website hosted by Mika Mäkeläinen at <http://www.dxing.info/dxpeditions/frenchcreek17.dx>. In one place you can read about the December DXpedition, see pictures of the cabin and the participants and a comprehensive summary of the loggings.

We are off to French Creek for the last DXpedition of the season on a matter of days. I hope conditions cooperate since this one has to last until next November.

The Winter SWL Festival is just around the corner. Last year I did an extensive article with pictures about the Winter SWL Festival. Unfortunately, I didn't get to cover a number of forums because of numerous other responsibilities. I would like to see coverage of the Winter SWL Festival in the Journal. Are there any members out there that would like to cover some of the events? I would like to see a few folks covering some aspects of the event so that no one individual is burden with reporting on everything that goes on. If interested, please contact me ahead of time or at the Winter SWL Festival. Also, anyone with a digital camera willing to shot some pictures for the Journal, please contact me. Primarily, I am looking for pictures of NASWA members, editors and forum presenters. Thanks!

QSL returns continue to be strong. I can't complain with postal mail and e-mail returns being robust. Anytime two Peruvian verifications arrive the same month it's a good month. At this point, two in one year isn't all that bad. Also, I'm pleased with two electronic replies from Radio Oriental in Uruguay. Now owned by the local Catholic Church, this station maybe more reliable a target on shortwave and presumably a good verifier of listener reception reports. North American pirate station, Undercover Radio sent a nice CD of the program along with a QSL. This is the second time they have done that for me. Also, a recent verification from Akhbar Mufriha appears to be many layered as none of the Christian organizations concerned want to have a high profile in the Middle East. HCJB is in the midst of all this and they seem to want to remain quiet as to their involvement for some reason.

73, Rich

On the Short Waves by Jerry Berg

<www.ontheshortwaves.com> Update, January 2, 2004—Under "Articles, Research, etc.," "Full-Text Articles," see The Mysterious Radio Euzkadi, Don Jensen's history of this Voice of the Basque Underground in Spain. It was a well heard clandestine station during the 1960s and 1970s. This article appeared in the May 1983 issue of Popular Communications magazine <<http://www.popular-communications.com>> and is reproduced with Don's permission and that of PopComm. Also shown, from the collection of the Committee to Preserve Radio Verifications, is a 1968 Euzkadi QSL received by the late Bill Sparks. And look under "Recordings" to listen to the station's ID from 1969.

<www.ontheshortwaves.com> Update, January 10, 2004—Under "Articles, Research, etc.," "Pot Pourri": August Balbi's POW Monitoring, Part I. Among the August Balbi DX materials that were turned over to CPRV in 1988 are some fascinating items pertaining to World War II POW monitoring, i.e. the practice of transcribing POW messages broadcast over the shortwave station where the prisoner was interned and forwarding the message on to family members. Balbi was a good record keeper. He typed lists of those prisoners whose messages he heard in 1942 and 1943, and he kept handwritten and typed notes of the message content, plus the responses (cards and letters) received from relieved relatives. Here in Part I are lists of some of the POW messages that August Balbi heard over Radio Tokyo, MTCY-Manchuria, and Berlin. The lists usually show the date the message was heard, the POW's name and address (apparently the address was given over the air), and the date the family was sent a "P.C." (postcard). A check mark seems to indicate that a reply was received. In the case of families near August's home in Los Angeles there is sometimes a telephone number ("PH"), suggesting that he sometimes called rather than wrote. We will present more on August Balbi's POW monitoring in the future.

Easy Listening

Richard D. Cuff • 42 North 37th Street • Allentown, PA 18104 • rdcuff@mochamail.com

The Fest is coming!

It's deep in January, and it's snowing outside...again. But there's hope—we're only about 6 weeks from the Winter SWL Fest! Those who are fans of shortwave for the programming will enjoy this year's Fest, because, once again, we have a decent representation from the broadcaster community with us in Kulpsville. In addition to the scheduled forum topics, the Fest offers plenty of space just to sit around and chat about radio. You'll probably find two of us programming aficionados—John Figliozzi and I, who co-chair the Fest—around the registration table much of the time. The session where programming topics will most likely be formally discussed is at the Broadcaster's Forum session.

If you've never been to a Fest, why not make this one your first? You'll meet many of the folks who edit and contribute to the *NASWA Journal*; more are together at the Fest than at any other time during the year. You'll find a Registration Form elsewhere in the *Journal*, and you can find a lot more information at the Fest website, <http://swlfest.com>.

VOA reduces News Now and English to the Americas programming

Another morning shortwave tradition has ended—the early morning VOA broadcast targeting the Americas, which was generally well heard here in eastern Pennsylvania. As a matter of fact, except for the hourly newscast, the only VOA programming from 0700 to 1200 UT is the VOA "Music Mix" broadcast. While we Americans can't technically complain about this—since, as far as the VOA is concerned, we American listeners aren't on the radar screen—this is a disappointing development. I used to listen to the morning release as a change

of pace from my usual diet of NPR, the BBC World Service, and Radio Netherlands.

We Americans are left with the Tuesday–Saturday 0000–0200 Americas release as our alternative for easy listening to the VOA, though the morning service to Africa from 0300 to 0500 (and later, though I haven't stayed up myself to listen) is generally reliable.

Here are some of the features you'll hear on the Americas and the Africa services at these hours:

0030 Tuesdays–Saturdays: *Coast to Coast*, a program on American news, science, medicine, the arts, and literature

0030 Sundays and Mondays: *Main Street*, an informal snapshot of American life through its cities and towns

0115 Mondays–Fridays: *Focus*, which takes a look at a single news story in more detail

0130 Saturdays: *Our World*, a show on science, technology and the environment

0130 Sundays: *Encounter*, a panel discussion featuring a debate on a controversial issue

0145 Mondays–Fridays: *Dateline*, a short documentary on a major issue

0206 Mondays–Fridays: Various music programs, including *American Gold*, *Roots and Branches*, *Classic Rock*, *Top 20 Countdown* and *Country Hits USA*.

0230 Saturdays: *On the Line*, a program on US politics

0230 Sundays: *Issues in the News*, a roundtable discussion on world issues featuring Washington-based correspondents

0300 Mondays–Fridays: *Daybreak Africa*
0330 Saturdays: *Our World*; Sundays:
Encounter
0345 Mondays–Fridays: *Dateline*
0415 Mondays–Fridays: *Focus*
0430 Mondays–Fridays: *Daybreak Africa*;
Weekends: *Main Street*

Most of the programs have on-demand versions available, except for *Focus*.

Another consequence of these changes is reduced airtime for Kim Elliott, who was a regular contributor to *Main Street* with media news in the months following the end of *Communications World*, the VOA's media program. Kim says he won't be appearing on *Main Street* as often in the future.

The Hutton Inquiry aftermath: Heads rolled at the BBC

You may be aware of the firestorm surrounding the BBC after an investigative reporter, Andrew Gilligan, reported that the UK's government "sexed up" ("overestimated", if you prefer) the terror threats posed by Iraq as a justification for the UK's entry into the 2003 Iraq war. The government charged that Gilligan's story—on the domestic **Radio 4** morning news program, *Today*—was based on flawed research. Then, a primary source used in Gilligan's report, David Kelly, a UK weapons expert, was exposed; Kelly then committed suicide. An investigative commission set up by Lord Hutton has been working for months to sort out if the BBC used appropriate oversight in allowing Gilligan to broadcast his story.

As I write this, the chairman of the BBC's Board of Governors, Gavyn Davies, and the BBC's Director General, Greg Dyke, have both resigned. Dyke, especially, was well liked by the staff, restoring a much more positive working environment following the period of John Birt's leadership. [Since Rich submitted the column, Andrew Gilligan has also resigned. -RB]

So what does this all mean for shortwave listeners? It's way too early to tell how World Service programming will change, if at all, but interestingly, Mark Byford was appointed Acting Director General of the BBC in the wake of the resignations—having been appointed Deputy Director General back in December. Mr. Byford was head of the World Service when the BBC decided to drop the use of shortwave to directly target North America and Australasia. Speculation is that Byford is a candidate for the permanent Director General position, but I wonder if an outsider might be appointed to the position instead. So far, no one has contacted me to offer me the position <grin>!

Expect this subject to be featured on *Talking Point*—perhaps it already has. Check for updates in the *swprograms* e-mail group; I'll also pass along significant developments in the NASWA E-mail Flashsheet. You *do* receive the Flashsheet, don't you?

Radio Australia back to normal

As of late January, **Radio Australia's** schedule was back to normal following its summer holidays. The following programs have returned to the airwaves:

Weekdays

0110—*Asia Pacific*, the daily current affairs program focusing on the region

0210—*The World Today*, the lunchtime current affairs program produced for the domestic **Radio National** service.

0320—*Life Matters*, the daily interview program on social change and day-to-day life

0410—*Margaret Throsby*, a classical music-based interview series

0810—*PM*, the evening **Radio National** current affairs program

0905—*Australia Talks Back*, the nightly "talk radio" program focusing on a single theme

1005 and 1110—*Asia Pacific*

1130—*Bush Telegraph*, focusing on rural and regional matters

1410—*Margaret Throsby*

Many thanks to John Figliozzi, who posts detailed Radio Highlights twice weekly to the *swprograms* group and to select USENET newsgroups. Tip: You don't have to clog up your e-mail box to see these messages; you can join the *swprograms* list and simply read and post via their web interface; see <http://www.topica.com/lists/swprograms>. You can also simply read messages (but not post to the list) by visiting the URL shown above without joining as a member.

Why listen to Eastern European broadcasters?

Most readers are probably aware that the *Easy Listening* column tends to focus on the major English language shortwave broadcasters best known for producing a variety of interesting, engaging programs. Sadly, one rarely uses the terms *interesting* or *engaging* to describe most of what emanates from Eastern Europe nowadays, but there are some exceptions. A few months back, I highlighted **Radio Prague** as the Eastern European broadcaster with consistently good programming; in addition to Radio Prague, here are some other ideas, courtesy of the participants in the *swprograms* list:

¶ **Radio Slovakia International:** One contributor likes their program for its "handmade" quality that doesn't take itself too seriously (for example, their "upside down pyramid" in Bratislava). RSI quite often uses sounds and voices from "the street" that adds color to the programming. Also, on Saturdays, there's **Cooking With Andrea**—not something you hear often on shortwave! (thanks to Scott Walker, New Cumberland, PA)

¶ **Radio Polonia:** While we in North America will most likely only hear this via the World Radio Network on Sirius satel-

lite radio or via Canada's **CBC Overnight** on **CBC Radio One**, Fred Waterer (who writes the programming column for the ODXA publication, "Listening In") recommends **Letter from Poland**, an irreverent look at Poland from a native Londoner, Peter Gentle. Gentle has a great sense of humor, according to Fred—reminding him of Deutsche Welle's Larry Wayne—host of the Sunday **Random Selection**... remember Jessie, the "cat what am"? The program airs on WRN on Tuesday's 1800 UTC edition (at 1820) and is available on-demand at their website for the following week. Other shortwave airtimes include Tuesdays 2050, Thursdays 1000 and 1320 and Fridays 0430. Fred in general recommends Radio Polonia's programming. The CBC Overnight service features Radio Polonia in "Hour Four" of CBC Overnight, which airs at 4 AM local time (0800 through 1200 UT across the time zones), for those within earshot of CBC Radio One on mediumwave or FM. **Letter from Poland** airs on Wednesdays.

¶ **Radio Ukraine International:** Bill Bergadano recommends Monday's 0100 UTC program, which features **Music From Ukraine**, Bill's most recommended music program from the region. In general, Bill enjoys **Radio Romania International**, **Radio Bulgaria** and **Radio Ukraine International** for their news about the countries—which rarely makes it to USA domestic radio, or to the BBC World Service, for that matter.

¶ **Radio Vilnius:** Ted Schuerzinger is particularly fond of Radio Vilnius, particularly due to the emphasis on "slice-of-life" programming. A downside is that Radio Vilnius now has an English language staff of three, so their programming is largely translations of material from the domestic service.

BBC World Service highlights

Mondays 1406, with repeats Tuesdays 0106 and Mondays 0006: A new documentary feature beginning this month, **Age of Empire**, looks particularly interesting. Jonathan

Marcus, the BBC World Service's well-known defense correspondent, examines America's place in the new world order since the fall of communism. From the perspective of the Brits, the new world order means a new American assertiveness, and an unwillingness to be bound by some of the constraints and agreements it recommends for others. This new assertiveness also includes a new military doctrine of pre-emptive war. Many Americans might disagree with this characterization, but this six-part series should be interesting nonetheless.

Wednesdays 1406, with repeats Thursdays 0106 and Sundays 1306 and 2206: **Breaking Bread** is a new four-part documentary sampling national cuisines and the linkages between the cuisines and the cultures of these countries. Ethiopia, Lebanon, Sicily, and South Florida (Miami) are the regions profiled in the series. I'm hungry already!

Weekdays, 1306, repeated Tuesdays-Saturdays 0006 and Tuesdays-Fridays, 0406: I often don't mention **Outlook**, the daily cultural interview show, because it is something one comes to expect every day. In February, starting the 17th, **Outlook** visits Carnival in Rio de Janeiro to learn more about the traditions of the Samba.

Weekdays 0445 and 1345, repeated Tuesdays-Saturdays, 0045: **Off The Shelf** features a reading of Robert Harris' *Pompeii*, a reconstruction of the last days of the city before its destruction by Mount Vesuvius in 79 AD. The book is written from the point of view of Marcus Attilius, an aqueduct engineer who ends up in the city in the week before its obliteration.


Mondays 1532 and 2232, plus Tuesdays 0232 and the following Monday 0032: **Just**

A Minute, perhaps my favorite BBC panel game, returns for a six-week engagement. Panelists must speak about a topic—perhaps one they know nothing about—for one minute without hesitation, repetition or deviation. One reason I enjoy the program is that I humbly believe (!) I would do quite well at the game myself. You all know that my MBA degree means Master Bull Artist, right?


Saturdays, 2201 and Sundays, 0201: **Play Of The Week** features its "Worldplay" season, in which the BBC World Service features the talents of Ireland's RTE, Canada's CBC, New Zealand's Radio New Zealand, Australia's ABC and the USA's LA Theatre Works in showcasing the international status of radio drama production today. This year's theme is *shadowlines*: the concept of real or imaginary borders that exist in life and nature. *Feed the World* by Peter Wolf airs February 21st and 22nd; *The Woman's Daughter*, by Dermot Bolger and directed by Kate Minogue for Ireland's RTE, airs February 28th and 29th. Don't forget that **Play of the Week** is available on demand at the World Service website for a week following each shortwave broadcast.

Remember to keep an eye out for any significant developments on the BBC World Service management situation in the NASWA e-mail Flashsheet.

So...if you could ask your fellow enthusiasts about recommendations regarding specific broadcasters, specific regions, or specific programs, what would you like to know? Drop me a note (see the contact info above), or post the question yourself at the *swprograms* list.

Don't forget to register for the SWL Fest! Until next month, 73 DE Richard. 

WWW Shortwave Listening Guide

Looking for programs to listen to? You can find what programs are on for the current hour or list programs of a desired type on a given day at the **www Shortwave Listening Guide** on NASweb. The data is provided by *NASWA Journal* and *Monitoring Times* columnist John Figliozzi, and comes from his book, *The Worldwide Shortwave Listening Guide*. Visit the Guide at <http://www.anarc.org/naswa/swlguide/>. 

Shortwave Center

Jerry Lineback • 506 South Lawrence Avenue • Scranton, KS 66537 • jalinebk@satelephone.com

Comparative bandscan analysis of two Radio Handbooks for 2004

by Anker Petersen, Denmark, Dec 29, 2003.

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Mid December, I received the 2004 editions of the World Radio TV Handbook (WRTH) (688 pages about Broadcasting, £ 22 or about 31 Euro), and the Shortwave Frequency Guide (SWFG) from Klingenfuss (298 pages about Broadcasting and 234 pages about Utility, 35 Euro). Since then I have analyzed and compared their value to the Shortwave Broadcast DXer. These results can be compared to my analysis a year ago.

Method

I did not choose the traditional way of reviewing each section in the Handbooks, but instead analyzing what information they were able to provide me when I listened to 100 randomly selected broadcast stations throughout the shortwave bands. Half of the stations carried domestic broadcasts, and half of them international broadcasts. All stations were 100% identified no matter what language. Every DXer, in Europe at least, has the possibility to listen to the same stations and check my loggings. The log list with my detailed analysis will be published on our home page www.dswci.org, Latest News.

Analysis

I consider the following details to be essential for the DXer during his listening and identification of the transmitter and broadcast: Station name, Exact language,

Scheduled broadcast time, Exact frequency and Transmitter site. Thus it was checked for each logging, if the Handbooks contained these details and they were correct.

In addition I took note, if the Handbooks could provide the DXer with additional, useful information, for his propagation calculations and reception report writing. However, the correctness of this information has not been evaluated.

For each logging I gave a score, depending on the information in each of the Handbooks. The essential details counted double. The scores are shown on the log list only.

Comparison

I then compared how many of the 100 stations heard which had the following details correct:

	WRTH		SWFG	
	Int	Dom	Int	Dom
Essential:				
Exact language	100	80	90	94
Time schedule	90	90	86	94
Frequency	94	96	86	96
Transmitter site	88	90	82	94
Useful:				
Geograf. coord.	96	52	<i>Missing</i>	
ID in lang. heard	68	40	<i>Missing</i>	
QSL policy	86	38	<i>Missing</i>	
Postal address	100	100	<i>Missing</i>	
E-mail address	98	62	<i>Missing</i>	
Web address	100	48	<i>Missing</i>	

For identification purposes, it is necessary that all the essential details are readily available in the Handbook. This was found to be the case in 78% (68%) of the checks in the WRTH, and 80% (74%) in SWFG. (In brackets are the 2003 results).

Conclusions

It is evident that the editors of both Handbooks have done a tremendous work to gather up-to-date schedules and other information and to improve the quality compared to the 2003 Editions and both have succeeded in this! Each of the Handbooks is useful for the DXer. I need both for my broadcast DXing on shortwave, because they supplement each other.

The details published in both Handbooks are at the same, very high accuracy level. It can hardly be better! But various kinds of information are still missing as indicated by my figures above.

An important feature when searching for and identifying broadcast stations, is their complete frequency schedules, so that all parallel frequencies can be checked. The schedules are handily available and very complete in both handbooks.

I also noted that both Handbooks still are weak on updated details on domestic sw broadcasting compared to international broadcasting. It will probably always be so, because the domestic broadcasting organisations are less cooperative in providing details than the international broadcasters.

The SWFG is a Frequency List with sw schedules, but without any other details about the stations. The German editor, Joerg Klingenfuss, and his staff has put a lot of effort to make it as up-to-date as possible. It is in English. Its big advantage is that for each shortwave frequency you can read at what time it is used by various broadcasters and in which language This is also possible

in "The Shortwave Guide" published each summer by the WRTH, but is missing in its traditional Main edition at winter.

Klingenfuss also sells the same broadcast and utility database on a CD-ROM called "2004 Super Frequency List" where you easily can search on a PC using Windows, for specific frequencies, countries, stations, languages or times. This very useful tool costs 25 Euro.

I am afraid that the ordinary Broadcast DXer does not have any use of the Utility pages, so I suggest again the book split up into two cheaper publications in the future.

In contrary to the SWFG, the WRTH also contains LW, MW, FM and TV information. Besides the above mentioned improvement in information about shortwave stations, I also noted that all clandestine stations have been moved to a separate section called "Clandestine and other Target Broadcasts" placed after the International Broadcasts. Both Handbooks cover Clandestine stations well, but the list in the WRTH is the most complete. Another improvement in the WRTH is a highly needed cross reference system for broadcasters using foreign sites.

It shall not be forgotten that the WRTH also contains tests of receivers and other useful articles in addition to the station information. Both books have articles about Digital Radio.

Again this year, I can recommend serious DXers to buy this "DXers Bible"! I have all Editions of the WRTH since 1961 in my collection and I am pleased to say that the 2004 Edition is the best! My congratulations to Publisher Nicholas Hardyman and his team.

These were my conclusions and comments based upon the analysis of the details published on the 100 stations logged. Please also note that this was a comparison and not an ordinary review of each of the two publications. (Petersen)

It's in the Grounding System

One man's experience with Antennas

By Steve Price. vinyltocdr@aol.com

One of the major factors that influenced where I would build in Virginia was my radio hobby. Like every shortwave radio buff, a nice hunk of land in a very quiet and very rural area is the key to good DX. I knew in the back of my mind that someday when the hype of the move was over and the house was finished, I would want unlimited access to create a nicely sized shortwave antenna. In 2001, I nestled myself on a rural hunk of land in Central Virginia, way out in the country. This fall, I decided to build a good longwire antenna to accompany my Kenwood R-5000.

My antenna runs east to west and is about 200 feet long. The western end of the antenna is connected to the peak of the house and the eastern end of the antenna is connected to a 35-foot pole section in the back yard. It is supported with ceramic insulators on all tie points. It is about 15 feet above the ground at its lowest sag and about 35 feet at the ends. At the peak of the house, I use RG 8-M coax for the lead in. The center of the RG 8-M coax is soldered to the longwire itself and the ground braid is soldered to a piece of 12 gauge wire that comes down the side of the house and connects to an 8 foot ground rod. At this first ground rod, I connected about 150 feet of bare copper ground wire to it. I laid it out right under the overhead longwire and dug a 10 inch deep trench right below the overhead long wire antenna. As I buried the 150 feet of bare copper ground wire, I connected an 8 foot ground rod to it every 30 feet or so and pounded it into the soil. This buried bare ground wire has six ground rods connected to it. The ground rods are connected to the bare ground wire every 30 feet as it runs down the trench directly underneath the overhead long wire antenna. The ground rods are well below the surface of the soil and covered for easy lawn mowing!

The results are absolutely phenomenal. The ground system is the difference. What small

amount of noise that I did have has now disappeared. All weak and strong signals are very stable. The warbling of the audio and rapid variances in signal strength have been nearly eliminated giving a smooth and stable signal with cleaner audio. The best way I can describe this is the audio quality and signal strength are just "cleaned up" and "solid". All shortwave signals from 120 to 10 meters have been improved incredibly with this ground system. The 60-meter Africans and Indos were the best I ever heard them. (RRI Makassar 4753; Mauritania 4845; Ghana 4915; Uganda 5026). WWV on 2500 was excellent S-9 at 2200 UTC. Australia on 21740 at 2230 UTC was a nice stable S-9. The ground system added a nice 5-dB increase for Australia on 21740.

The far most outstanding results that I observed were on medium wave and long wave. With the ground, MW signals have doubled to tripled in signal strength. WTOP, Washington DC, on 1500 kHz went from an S-5 to an S-20 when the ground was connected. Similar results happened all over the entire MW band during daytime reception. Nighttime reception was out of this world.

The biggest treat was the long wave stations that I have been enjoying on a regular basis. When I disconnected the ground, the LW stations did not even produce a heterodyne in SSB mode. When I connected the ground shell of the PL-259, the following list of stations literally came in out of nowhere. Here are my logs from about 2000-0600 UTC on December 26th. They had deep fades at times, but nominally held an S-5 to S-10 signal level. Even when they dipped to S-1 or S-3, they were still easily copied.

153 kHz, RTA Algeria

162 kHz, France Inter

171 kHz, Medi Un, Morocco

177 kHz, Deutschlands Radio

183 kHz, Europe 1, Germany

189 kHz, Caltanissetta, Italy

198 kHz, Drotwich, BBC

207 kHz, RTM Morocco

216 kHz, Monte Carlo

All in all, a lot of hard work has paid off. It is the best antenna I have ever used. Someday, I may continue its length way back into the woods another 150 to 200 feet. However, I am more than satisfied right now. Here are some final thoughts on how my ground system has benefited my reception from 150 kHz to 30 MHz.

¶ Warbly signal and muddy audio has been extensively cleaned up.

¶ Every signal is more "solid" and "firm" in audio and signal strength.

¶ Noise has been greatly reduced at my location, especially on MW and LW.

¶ Late afternoon and evening reception on higher frequencies (15 MHz to 21 MHz) is very much improved.

¶ Signals on medium wave have doubled to tripled in strength.

¶ Longwave stations listed above have come out of nowhere with the ground connected.

¶ TVs, appliances, and fluorescent lights have minimal to no effect on noise floor when turned on.

DX Target: Rádio Guarujá Paulista

As Rádio da Família

By Richard A. D'Angelo

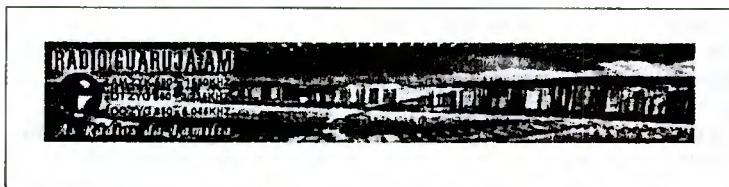
Located in the town the station was named after, Brazilian broadcaster Rádio Guarujá Paulista burst onto the shortwave radio scene during the summer of 2003 with a reasonable signal on 5,045 kHz. The station was also reported on 3,235 kHz with a much weaker signal.

Guarujá, the City

The city of Guarujá is located in the state of São Paulo. It is a tourist city known for its beautiful beaches. The people of São Paulo are called *Paulistas*. Most of them have ancestors who immigrated from Germany, Italy, Japan, Lebanon, Portugal, Spain,

or Syria. Some Paulistas have African or American Indian ancestry. Paulistas speak a variety of languages, but most of them also speak Portuguese, Brazil's official language.

Guarujá is in the Central and Southern Plateau region of Brazil. This area covers 25% of the country with more than half of the country's population living in this region. Much of the population is concentrated around the cities of São Paulo and Rio de Janeiro. The region is known as Brazil's economic heartland. A steep slope called *Great Escarpment* runs along the coast on the southeastern edge of the highlights making access into the interior difficult thus furthering the growth of the coastal cities.



Prezado Ouvinte,

Muito obrigado por ter escolhido a Rádio Guarujá Paulista como sua Rádio. São pessoas como você, que querem estar sempre muito bem informadas, que estimulam a Rádio Guarujá Paulista a aprimorar cada vez mais a qualidade radiorfônica, independente e corajosa, que faz dela a melhor Rádio da Baixada Santista.

Localizada em Guarujá, cidade turística conhecida por suas belas praias, a *Rádío Guarujá Paulista* foi fundada em 21 de Janeiro de 1946, são 57 anos investindo em tecnologia de ponta, além de mobilizar quase 40 profissionais para levar a maior informação, os melhores serviços e entretenimento à você. Prova desse investimento foi a implantação das ONDAS CURTAS e TROPICAIS que possibilitam a recepção de nosso sinal em território nacional e internacional.

	Watts de Potência	Torre - Sistema	Cobertura
ONDAS MÉDIAS 1550 kHz	10.000	54M de altura Onidirecional c/ monopólo dobrado	37 Municípios
ONDAS CURTAS 5.045kHz	1.000	Sistema Delta	Território Nacional e Internacional
ONDAS TROPICAIS 3.235kHz	500	Sistema Delta	Todo o Território Nacional
FM 104,5 MHz	25.000 Kwa	175m de altura - 04 elementos de antena	Baixada Santista, 11mrl Norte e Sul

A Rádio Guarujá Paulista possui dois estúdios sendo o oficial em Guarujá, à Rua José Vaz Porto, 175 - Santa Rosa - Guarujá/SP - Cep. 11.431-190, e o estúdio auxiliar localizado na cidade de Santos à Praça da República, 87 - 12º andar - cj.124 Centro - Santos/SP e está conectada à internet através dos sites <http://www.radioguarujaam.com.br>, e <http://www.guarujafm.com.br>.

Receba as nossas boas vindas, aprecie as fotos da cidade do Guarujá (em anexo) e confira nossa programação 24 horas diárias.

Mais uma vez, obrigado por ter escolhido a Rádio Guarujá Paulista - A Rádio da Família.

Atenciosamente,

ORIVALDO RAMPAZO
 Diretor Presidente

RÁDIO GUARUJÁ PAULISTA
atendimento@radioguarujaam.com.br
sucessos@radioguarujaam.com.br

Guarujá, the Station

Rádio Guarujá Paulista was established on 21 January 1946. For 57 years the station has been investing in broadcasting technology. With a staff of almost 40 professionals, the station broadcasts information, news and music on the shortwave tropical bands that make possible the reception of Rádio Guarujá Paulista signal throughout the Brazilian domestic territory as well as on an international basis.

The station possesses two studios in São Paulo. However, the official studio is in Guarujá with a street address of Jose Vaz Port Street, 175 Santa Rosa. Rádio Guarujá Paulista is connected to the Internet through the following sites:

<http://www.radioguarujaam.com.br> <http://www.guarujafm.com.br>

Rádio Guarujá Paulista operates on 1550 kHz medium wave with 10 kilowatts and on

104.5 FM with 25 kilowatts. In the tropical shortwave bands the station operates on 3,235 kHz with 500 watts and on 5,045 kHz with 1,000 watts. The former frequency is mainly heard in its domestic territories but the latter outlet is heard domestically as well as internationally. The station operates around the clock, twenty-four hours a day, seven days a week.



With its 54-meter long antenna located in the city of Guarujá, the 10-kilowatt Guarujá AM transmitter possesses enough power to provide ample coverage of the São Paulo coast. The local coverage area covers a population of almost 2 million inhabitants. The five major population centers are Santos (418,000), Guarujá (265,000), São Vicente (304,000), Praia Grande (194,000) and Cubatão (108,000).

With 57 years of experience, Rádio Guarujá Paulista continues investing in updated equipment and in human resources, which are essential for its continued long-term success. Currently, the station operates with equipment meeting international standards for 100% digital operation making the broadcaster one of the best quality stations

in the world. With its updated hardware and software, it is one of the most modern and better-equipped radio stations in the region and the world. It invites listeners to be part of this new family.

The following table is the program schedule for broadcasts made on Monday through Friday each week. The left-hand column is the local times followed by the program name and finally the announcer for the program. All programs are in Portuguese.

The station management is very pleased that listners in São Paulo have chosen Rádio Guarujá Paulista as its radio. The listners are people who want to always be very well informed. The Station constantly seeks to improve radio quality, making the station the best radio station of the surrounding region.

Since becoming a major torpical band catch a few months ago, Rádio Guarujá Paulista has been a reliable verifier of shortwave listner reception reports. Portuguese language reception reports with adequate return postage can be sent to the station at:

Rádio Guarujá Paulista


Orivaldo Rampazo, Director Presidente

Rua Montenegro 196

CEP 11410-040

Guarujá , São Paulo

Brazil

As always, remember to send in those Rádio Guarujá Paulista logs to electronic *Flashsheet* editor Sheryl Paszkiewicz and to Dan Ferguson for the *Log Report*. Of course, QSL verifications should be sent to Sam Barto for inclusion in the *QSL Report* column. Good Luck with this dx target. 

Equipment Reviews

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Classic Receivers: A Personal Perspective

This is the second half of my look back at the classic receivers that I have known and loved, or at least lusted after. I will now focus on solid-state receivers that are still capable of yielding good reception results. In the mid to late 1960s, transistors began to replace tubes in shortwave receivers. This allowed manufacturers to build smaller, lighter receivers, many of which could be operated from batteries for portable use. This is also the time that Japanese companies began to produce radios for the U.S. market and to eventually dominate the market, with the demise of most of the major United States manufacturers. The early solid-state receivers used the same basic circuitry and design as their tube predecessors, simply using transistors instead of tubes. In the mid-70s, integrated circuits ushered in the era of digital displays, followed by keypad tuning, memory channels and computer control. Ceramic filters for IF filtering became widely available during this time, providing selectivity almost as good as crystal or mechanical filters, at a much better price. With the advent of PLL frequency synthesis, general coverage receivers with excellent frequency readout precision and accuracy became available to the hobbyist.

The solid-state receivers that will be listed below generally offer excellent value for use as a primary station receiver, especially for listeners on a budget, i.e. those who want to upgrade from a portable receiver to a table-top model at minimal cost. The one caveat regarding these receivers is service. They are smaller and more complicated, which can make troubleshooting and repair more

difficult. In addition, often times usual or proprietary transistors and ICs were used, which may not be obtainable today. Mechanical parts, such as tuning keypads, may also wear out over time.

In addition to Fred Osterman's *Shortwave Receivers Past and Present*, further information on these later radios can be found in past editions of *Passport to World Band Radio* and the *World Radio-TV Handbook*, if you have access to them.

Solid-State Radios

Allied—This Chicago mail-order house sold a wide variety of electronic equipment and components, including the Knight line of pedestrian performance kit receivers. They sold a variety of basic single-conversion general coverage receivers, but did produce one standout—the SX-190. This receiver was made in the early 1970s and followed the general design of the Drake and Heathkit receivers of the time: The SX-190 covers nine 500 kHz bands (80, 49, 40, 31, 25, 20, 19 and 16 meters, along with the CB band). Two crystal sockets are available for one extra band in the range of 3 to 10 MHz and one from 10 to 30 MHz. There is a single bandwidth of 4 kHz, using a mechanical filter. Dial accuracy is ± 500 Hz, with a crystal calibrator to align the dial. This is a very sensitive receiver and has a nice tuning "feel". It may be labeled either as "Allied", "Realistic" or "Radio Shack", since Tandy Corp. bought out the Allied retail stores about 1970. Be careful not to confuse the SX-190 with the AX-190, which is a ham-band only version.

AOR—This Japanese company is best known for its current AR7030 premium receiver and its wideband receivers, but in the mid-1990s, they produced the AR3030. This is a general coverage receiver with keypad tuning, 100 memories and features a 6 kHz Collins mechanical filter for AM and a ceramic 2.4 kHz filter for SSB. It is a good performer, but its small size make some of the controls hard to use.

Collins—Collins never produced solid-state radios in the same volume for the amateur market as their tube units. The only solid-state Collins receiver that I have seen in any volume has been the 651S-1. The only ones I have seen have been government surplus and in very poor condition. Apparently, the early models used Nixie tubes for the frequency display. These should probably be avoided as Nixie tubes can be very hard to find. Later versions of the receiver used a LED display. Frequency readout is to 100 Hertz and standard IF bandwidths are 16, 6 and 2.7 kHz. Collins also produced the HF-2050, which is, as far as I know, was the first commercially produced DSP receiver. These rare receivers are supposed to be very good performers.

R.L. Drake—Unlike Collins, Drake made a smooth transition to solid-state and continues to make great radios. Their first all solid-state receiver was the SPR-4, which was designed primarily for the shortwave listening market. It was also the first Drake receiver to have a built-in speaker. It came standard with coverage of LW, MW and the seven major international broadcasting bands (49 to 13 meters) in 500 kHz ranges. Fourteen additional crystal sockets are provided for expanded coverage. A product detector is used for SSB/CW and standard bandwidths (linked to the mode switch) are 4.8/2.4/0.4 kHz. A notch filter is included, but a crystal calibrator and noise blanker were options. Dial accuracy is to one kHz. This is a good radio, fun to use and sounds good with an external speaker. It was made from 1969 to 1978. Late in the SPR-4's production run, Drake marketed the Japa-

nese-built SSR-1. This is a general coverage receiver using the Wadley loop circuit. It's performance is not up to the standard set by Drake's U.S. manufactured receivers, but it is fun to use and a curiosity.

In the late '70s, Drake produced a flagship general coverage receiver for both the ham and SWL markets—the R7/A. It has a LED digital frequency display and is synthesized for general coverage, along with an analog VFO for coverage of each 500 kHz band segment. It has space for five crystal filters, passband tuning and a notch filter. The only differences between the R7 and the R7A are that the "A" version included the noise blanker and 500 Hz CW filter as standard. One unique feature is an antenna switch/splitter that allowed using two antennas and two receivers. Tuning is unusual in that bandswitching requires turning the bandswitch to the desired range and then using the Up/Down buttons to select the desired 500 kHz band, followed by tuning to the station frequency with the tuning knob. Optional filters for 6, 4, 1.8 and 0.3 kHz were available. There was also the AUX-7 board which used diode matrices to permit switch selection of up to seven desired 500 kHz bands, without having to use the Up/Down buttons. The R7 was highly prized in its day for tropical band reception. It is still a good radio, although the tuning is slightly drifty and the price has been driven up by collectors.

The R8 series began in 1991 and included the 8, 8A and the current 8B models. The original R8 represents an excellent value in today's used market. Its overall performance is very good, but there are some ergonomic issues which were improved in the later A and B models. The later models also have an increased number of memory channels and allow for alphanumeric labeling. There are also some performance improvements in the later versions. Nice features of the R8 are that five filter bandwidths are standard, it has stable synchronous detection (although sideband selectable only in the "B" model) and outstanding performance both for program listening and DXing.

The SW series from Drake was a mid-priced alternative to the R8 series of receivers. These models included the SW1 which is an AM reception only, single IF bandwidth receiver and the SW2, which receives AM/SSB and has two bandwidth choices. Both have keypad tuning and memories. The flagship of the SW line was the SW8 which is a large portable and can be powered by six internal D cells. The SW8 is an outstanding radio, whose circuitry is the basis for the current Grundig Satellit 800. There were some changes to the radio over time and the versions to look for are those with serial numbers beginning with "5c" or later, which included a pre-amp for the internal whip antenna and "6A" or later, which have sideband selectable synchronous detection. Unfortunately, these are very popular, therefore very expensive.

Galaxy—This amateur equipment manufacturer made the R-530, a general coverage receiver utilizing a Wadley loop frequency synthesis system. It has mechanical frequency readout to one kHz. This is a good receiver, but only came with a 2.1 kHz filter standard, which somewhat limits its usefulness for broadcast listening. A 6 kHz filter for AM reception was available as an option. The R-1530 was the military version and appears to differ from the R-530 by including longwave coverage, a 1.8 kHz IF filter and has a black face, rather than the black/silver of the R-530.

Hallicrafters/Hammarlund—These manufacturers failed to make the transition to the modern era. Hallicrafters made some cheap transistorized SW radios, but these are of the basic four band, single conversion variety.

Heathkit—The Heath company did survive into the solid-state era and was somewhat of an innovator with its GC-1/A Mohican portable receiver which was introduced in 1960, although it is much larger and heavier than what we know as portables today. This was one of the first portable communications receivers and, as far as I know, the first to use a ceramic filter for selectivity.

It has an analog slide rule dial with separate bandspread for the ham bands. It is a fair performer, but really of more interest as a collectible. The later GR-78 is a later "transportable" general coverage receiver with analog readout and an internal Ni-Cad battery pack. Apparently, two bandspread drums were supplied with the kit, one for the ham bands and the other for the international SW broadcasting bands, with the choice left up to the kit builder. I don't know anything about this radio's performance.

Heath also built "serious" radios for the SWL—most notably the SB-313, which is a solid-state version of the SB-310, in a slightly smaller cabinet. The receiver's features are essentially the same as the '310, except that coverage of the 13 meter broadcasting band came standard and CB coverage was dropped. This radio came standard with a 5 kHz filter. A good performer, but hard to find. The SW-717 was a solid-state version of the beginner's GR-64, with essentially identical performance. Heath did enter the digital age with the SW-7800, which has general coverage and a digital display. According to reviews of the time, it was a poor performer.

ICOM—This Japanese company continues to make ham, marine, shortwave and wide-band radios. They entered the shortwave market with the R-70, which is a quadruple conversion general coverage radio. It has a digital display to 100 Hertz and tunes in 10 Hertz steps. It has no memories and no keypad tuning. The R-71A is a refinement of the R-70 and has keypad tuning and 32 memory channels. Both have passband tuning and a notch filter, although some of the later R-71As were produced without PBT. The wide AM filter is a little too wide but the SSB filter is good, and SSB reception is even better with the optional FL-44 filter. These radios are good performers, and are commonly available on the used market at reasonable prices. My main gripes with the receivers are that the VFO must be retuned when switching sidebands in ECSS mode and the audio output quality is relatively poor

in AM mode, although this can be improved with an external speaker. The R-72 followed the R-71A, but didn't gain much acceptance, since it lacked passband tuning and notch filter.

Japan Radio Co.—JRC produced many receivers for maritime use, but introduced receivers for the civilian market beginning in the late 1970s. The first of these was the NRD-505. This radio used frequency synthesis for tuning in one megahertz steps and an analog VFO (which physically resembles a Collins PTO) for tuning within each of these ranges. It was built to commercial standards and was therefore very expensive at around \$2000. An optional four channel memory unit (ground-breaking at the time) was an option. In 1979, JRC introduced the NRD-515, which, while still well-built, was more reasonably priced at around \$1000. This is a very solid radio, with a great operating "feel"—it really sets a standard that everyone should experience at least once. It came standard with 6 and 2.4 kHz IF filters and includes passband tuning but no notch filter. Valuable accessories to look for are the NCM-515 external keypad and the NDH-515 (24 channels) or NDH-518 (96 channels) memory units. The next JRC consumer model was the NRD-525, which substituted plastic for the rugged metal front panel of the '515, but included a front panel tuning keypad, notch filter, clock/timer and 200 memory channels. This was a very popular receiver in its day. The follow-up model was the NRD-535, which offered very similar features to the '525, with spiffier cosmetics. The model to look for is the '535D (for deluxe) which included the ECSS (sync detector), variable bandwidth control and a 1000 Hertz filter. Initial units only had variable bandwidth in SSB/CW modes with the 2 kHz filter, but models after serial number 56005, added variable bandwidth control in AM mode with both the wide and intermediate filters. An upgrade kit was made available, so a model with a lower serial number may have been upgraded by a previous owner. The orphan in the JRC line is the NRD-345 which is a small receiver, lacking the notch, PBT and BWC of the '535. I have no experience with

this radio, but it is reported to be a nice basic receiver for program listening. Occasionally, JRC maritime receivers will appear on the market, most commonly the NRD-93. These are built like battleships and offer great "feel" according to their owners.

Overall, I have a love/hate relationship with JRC radios. They are well-built and work well, but like the Icoms, I feel they are better for SSB/CW reception than broadcast listening. They lack an intermediate bandwidth filter (in the range of 4 kHz) that is very useful for DXing in AM mode and the audio output is somewhat noisy, due to a background hiss.

Kenwood—This current producer of amateur equipment has produced a variety of SWL receivers over the years. One of the first was the QR-666, which is a double conversion analog receiver, with dual bandwidths. It was followed by the R-300 which is an improved QR-666, with a crystal calibrator standard (an option with the QR-666). It is a well-built receiver, with nice metal tuning knobs and flywheel tuning, but the shape factor of the filters is mediocre and the AGC speed is too fast. Frequency readout is poor, being to 20 kHz on 31 meters and below, and to 50 kHz above. There were two models available, one with the bandsread dial calibrated for the ham bands and the other calibrated for the shortwave broadcast bands, so be careful in purchasing one. Kenwood's pace-setting receiver was the R-1000, which combined PLL synthesis with an analog VFO and a digital frequency readout. It offered solid performance, but lacked the frills of a full-blown communications receiver such as PBT/notch, etc., but included a clock/timer with 12 hour format. It is somewhat prone to front-end overload—the front panel attenuator control is there for a reason! Very early models would not permit selecting the narrow (2.7 kHz) filter in AM mode—a retrofit kit was made available. Overall, this is a good receiver and was very popular at the time. The R-600 was a scaled down version, lacking the clock/timer and the multi-step attenuator of the '1000. It is reportedly less stable than

the R-1000. The R-2000 is a triple conversion design with two position AGC, front panel speaker and 10 memory channels, but no keypad tuning. A VHF convertor for 118-174 MHz was an option. The R-5000 is a high quality communications receiver, with its only major fault being the lack of a notch control. The stock AM filter is only fair, but the optional YK-88A1 crystal filter is good. Aftermarket 6 and 4 kHz AM filters (as well as others for SSB and CW) can be obtained from International Radio. The one caveat regarding the R-5000 is that the keypad can fail over time, resulting in "bounce" where a single key press can result in multiple digits being input—very frustrating. I don't know if replacement keypads are still available from Kenwood. It's a shame that Kenwood has chosen not to produce a follow-up shortwave receiver—their current amateur transceivers get high marks from equipment reviewers.

Lafayette—This company was Allied's main competitor in the mail-order electronics business and sold a variety of inexpensive Japanese manufactured receivers whose performance generally matched their price. The one receiver of interest is the BCR-101, which was also sold as the Kentec BCL-1. It is dual conversion, with two bandwidths (8 and 3 kHz) and had a analog frequency readout to 5 kHz. These are rare—I have one that is currently not operative, but is hopefully repairable.

Lowe—This British manufacturer produced a series of compact receivers which had a minimum of features but solid performance and great audio. The initial HF-125 was quickly followed by the HF-225, a double conversion, synthesized general coverage radio. Standard IF filters were 10/7/4/2.2 kHz with a 200 Hertz audio filter for CW reception. The filters are cascaded for outstanding skirt selectivity. Multiple options were available, including an internal Nicad battery pack, carry case and whip antenna/pre-amp which made the HF-225 a formidable portable receiver. A non-sideband selectable synchronous detector/FM detector could be added, as well as an external

wired keypad for pushbutton tuning. The Europa variant was aimed towards the DXer, having filter values of 7/4.5/3.5/2.2 kHz and circuitry changes to improve front-end and filter performance. The Europa included the sync detector and keypad as standard. The HF-235 was a '225 in a rack-panel mount with keypad and speaker on the front panel. This model was designed for the military/commercial market. The follow-on HF-250 offered better sensitivity and stability as well as cosmetic changes. A wireless infrared remote control and double sideband synchronous detector were available options. The HF-250 was also offered in a filter-enhanced Europa variant. Both versions of the HF-250 are hard to find.

Lowe will be best remembered for the HF-150, a small set with a minimum of controls (the front panel has a LCD display, volume and tuning knobs and three pushbuttons), but overall good performance and great audio for program listening. It features a sideband selectable sync detector and two IF filter bandwidths. It has built-in battery trays for eight AA cells and built-in antenna pre-amp for portable operation. A wired external keypad was available for push button tuning. Although not a DX machine, it is a credible performer. The only criticism of the HF-150 is the lack of front-end filtering, so it can be prone to overload and resulting spurious signals if strong MW stations are nearby. Lowe introduced the outboard PR-150 preselector to help alleviate this problem. The Europa variant includes front-end bandpass filtering, a backlight for the LCD display and has a black (vs. brown) case and front panel. Good luck finding a Lowe—most owners won't part with them!

McKay Dymek—This California company produced receivers for both the consumer and the commercial markets in the 1970s and '80s. The receivers used an unusual tuning method—each digit of the frequency is tuned by a separate switch, with a vernier fine tune for the last digit. This provided accurate tuning, but made band cruising difficult. The exception was

the DR-101, which used a Up/Down knob with variable rate incremental tuning for frequency selection. The DR-22 and DR-33 (and /C-6 variants) were the home market versions and were styled like stereo receivers. The DR-22 had tuning to one kHz and 8 and 4 kHz bandwidth filters. The DR-33 added tuning to 0.1 kHz and 2.2 kHz Collins mechanical filters for SSB reception. Both units have a fixed 5 kHz notch filter in the audio chain. These radios produce good audio, but can be prone to front-end overload. The commercial models were the DR-44 and DR-55. One very interesting receiver McKay Dymek produced was the DR-333—a completely computer controlled “black box” radio. I think this was the first such radio produced for the consumer market.

National—The National Co. made the solid-state transition, but only with their high-end HRO series. The HRO-500 uses a variation of the Wadley loop synthesizer for full general coverage and the famous “PW” dial for frequency readout to one kHz. Standard filter bandwidths were 8/5/2.5/0.5 kHz. The receiver also has a tunable notch filter and passband tuning. This is a fun receiver to use because it has lots of knobs to adjust, but can be prone to front-end overload. It’s also complicated to service. The HRO-600 was a completely different receiver which used Nixie tubes for digital frequency readout. This is a very rare receiver.

Panasonic—This Japanese manufacturer helped to fuel the shortwave boom of the 1970s with its line of portable radios. The company did produce some desk-top receivers using circuitry similar to the portables. These were the RF-4800 and RF-4900, which are large black boxes which look impressive, but are only moderate performers. The two models are almost identical in appearance, but the 4900 has some circuitry enhancements to improve selectivity and stability and is therefore the more desirable of the two. These are double-conversion analog receivers with a frequency counter to provide digital readout. They do have coverage of the FM broadcast band. The follow-up models were the RF-3100 and RF-B600,

which are fully synthesized “portatop” radios. I have no experience with these later radios.

Racal—This UK/US manufacturer made a wide variety of solid-state radios for the military/commercial market, but based a recent search of their web-site, appears to be no longer producing HF receivers. Based on my research, the models to look for are the RA1792 and the RA6790. Both of these are supposed to offer superior performance, but the RA6790 may have reliability issues. I look forward to being able to use one of these receivers some day. I have used a RA6217 in the distant past, but do not remember being very impressed with its performance.

Realistic/Radio Shack—This US retail company sold many Japanese produced radios over the years—too bad none of them were great receivers. The DX-150 and DX-160 are single conversion analog units with slide rule dial tuning. There is a separate bandspread tuning dial calibrated for the ham and CB bands. The DX-160 has the addition of longwave coverage. Many listeners in the 1970s cut their teeth on these receivers. The DX-200 came out in the early ‘80s and is also single conversion with analog frequency readout on a rotating drum. The bandspread drum is calibrated for both the ham and international shortwave broadcast bands. I once thought that the DX-200 was a repackaged Kenwood R-300, but it’s not—the Kenwood is a completely different and better receiver. The DX-300 and DX-302 were Radio Shack’s answer to the Yaesu FRG-7. They are triple conversion Wadley loop general coverage receivers with a frequency counter providing digital frequency readout. An internal battery holder for eight “C” cells allows portable operation. The DX-300 has a single bandwidth filter and provides audio filtering to improve selectivity. The DX-302 has two switch selectable IF bandwidths and is thus the preferred model. Both have poor stability and poor image rejection. The DX-394 was Radio Shack’s last table-top receiver. It is fully synthesized and has keypad tuning. Its main fault is

poor IF filtering, but is otherwise not too bad a performer—certainly the best of the Radio Shack units.

Sony—Although primarily known for portables, this Japanese company produced some large units best suited for desktop use, although they can be powered by internal batteries. These models were the ICF-6700W and the ICF-6800W. The units are similar, but the '6800 has numerous circuit improvements. Both are double conversion and utilize a frequency counter for digital readout. The '6800 also includes a large drum dial for analog readout. The most desirable model is the '6800 with orange lettering below the drum dial—this model has the best filtering. These radios were highly prized in their time for their outstanding audio output, although overall performance was only moderate. I must also mention one Sony portable, the ICF-2010, which is truly a classic due to its overall performance and outstanding synchronous detector.

Watkins-Johnson—This US manufacturer produced a variety of receivers for the military and government markets. They also produced the excellent HF-1000 for the well-heeled consumer, which is similar to the WJ-8711A (the currently available model). The model I have seen most frequently on the surplus market is the WJ-8718A, which I have no personal experience with.

Yaesu—This Japanese manufacturer of amateur equipment is best known for the FRG-7, affectionately known as the "Frog 7", a workhorse receiver of the late 1970s. It was very popular due to its good performance at a reasonable price. The FRG-7 uses the Wadley loop circuit to provide general coverage and has an analog dial with readout to better than 10 kHz. Its only fault is the provision of only a single bandwidth filter. Later models are distinguished by the fine tune control to the right of the main dial. In my opinion, this is a true classic that everyone should experience at least once. Yaesu then followed up with the FRG-7000, which appears to me to be a FRG-7 with digital frequency counter, digital clock

timer and two bandwidth filters. The notation in Osterman's book states that it did not perform as well as the FRG-7. The FRG-7700 then followed, which is fully PLL synthesized. It has three IF filter bandwidths, but one is 12 kHz—too wide to be of very much use. It's an easy to use receiver and sounds good. The later FRG-8800 added keypad tuning, computer control capability and an LCD display.

Outboard Accessories

The used equipment market can be a very economical way to improve the performance and enjoyment of your listening setup. Buying used allows one the latitude to experiment with different types of accessories at minimal financial risk. I'll step through some of the categories of accessories, starting at the antenna end and working towards the audio output, and give my thoughts on brands and models that are of particular use/value. MFJ Enterprises is the value leader for nearly all of the categories listed, since they make a variety of accessories which are of reasonable performance and widely available.

Active Antennas—These are useful for those who cannot put up a wire antenna outdoors or for portable use. Good ones were made by McKay-Dymek and Datong—Datong made the AD-270 for indoor use and the AD-370 for outdoor mounting. Dressler is another good brand which sometimes turns up on eBay and the Sony AN-LP1 is a current model that is good, especially for portable radios.

Antenna Tuners—These are better considered as antenna impedance matchers and are probably the class of accessory which will improve station performance the least (at least for SWLs—for those who have a transmitter they are very useful). However, knowing that most people don't believe this until they try one for themselves, buying a used one makes sense in order to minimize the financial outlay. A used MFJ unit, such as the MFJ-959, can be a good buy in this category.

Preselectors—These differ from antenna tuners in having a tuned circuit that provides some degree of front-end selectivity and can be useful with lower-cost receivers or those without bandpass filters in the front-end. They often have a pre-amp and/or an attenuator as well. Grove made several preselectors for a while, including the TUN-4, and MFJ still makes several models. The collectible models are the Lowe PR-150, the RF Systems P-3 and various models from Mizuho.

Crystal Calibrators—These items have to be obtained on the used market, because, as far as I know, none are being newly manufactured. They are useful for dial calibration/frequency determination with the older analog dial receivers. Look for units that provide markers at a variety of spacings, rather than just the usual 100 kHz. Such units were made by MFJ and Gilfer.


Filters—Thanks to eBay, it's become much easier to find the original accessory filters for older radios. Generally, these are narrower filters for SSB or CW reception, so will only appeal to those with specialized listening interests, although some ham receivers, such as the Drake R-4C and R7A came with a SSB filter standard and wider filters for AM were an option. Although the original accessory filters do appear on the used market, aftermarket filters for some radios can be obtained from International Radio (<http://www.qth.com/inrad/index.htm>). Kiwa Electronics (www.kiwa.com) offers filter modules that can be adapted to a variety of receivers.

Detectors—These units take the intermediate frequency output of the radio and provide an outboard detector (and usually an audio amp) for better fidelity and filtering. The Sherwood SE-3 allows for sideband selectable synchronous detection and tone control and the Kiwa MAP provides filtering, synchronous detection and tone control. Both require some work inside the radio for

operation, unless the radio has a 455 kHz IF output jack. These are fairly rare, so if you see one at a reasonable price, snap it up! If you find a Kiwa MAP make sure it has all the connection cables with it.

Audio Filters—These can provide additional selectivity, notch filtering and in the modern DSP units, noise reduction. The analog units to look for are those by Datong, MFJ and Mizuho. DSP units include the JPS NIR series and units from Timewave and MFJ. The JPS NIR-10 had optional chips to provide wider bandwidths for the SWL instead of the stock bandwidths which were designed primarily for ham use.

Speakers—The matching speakers that manufacturers usually offer with receivers are often over-priced and mediocre performers. For these reasons, most people don't buy them with the radio. That makes them collectible, since they are relatively rare. They do look nice when paired with the receiver, however, and having the matching speaker can improve the resale value of a radio. One of the few matching speakers that really is good is the Drake MS-4 and the sound quality of most external speakers can be improved by replacing the speaker element in the enclosure with a higher-quality (usually meaning a larger magnet) speaker of the same size. The one external speaker to look for is the Grove SP-200 which has a nice speaker, audio amp with tone controls, tunable notch/bandpass filter, tape recorder control and noise limiter.

Headphones—Used headphones can be a real bargain, especially those that are produced for the aviation industry, which are of high quality but very expensive when purchased new. Buying used headphones allows one to experiment in order to find a pair that fit and sound "right". My personal favorites are the Koss Pro-4AA for high fidelity and the David Clark H10-00, the Telex Airman 760 and Telex HTW-2A Twinset for "communications quality" sound. 

Adrian Peterson's Diary

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Early Radio Broadcasting in Denmark

At the end of December, the shortwave service from Radio Denmark signed off for the last time. Their era of international broadcasting began with experimental transmitters at two different locations in Denmark, it spanned three quarters of a century, and then ended with the use of transmitters at two different locations in a neighboring Scandinavian country.

We honor the memory of Radio Denmark, and on this occasion, we look at the very early story of local radio broadcasting in Denmark.

Actually, the first wireless stations in Denmark, fixed and mobile, were installed in several regional areas throughout their country in the era just before the commencement of World War I. The fixed spark wireless stations were installed in Copenhagen and in half a dozen country locations, and were on the air for maritime and national communication. The mobile stations were installed on ships and were established for maritime communication and to act as navigational beacons for nearby shipping.

The original callsigns for these early wireless station were single or double letters, usually an easy to understand abbreviation for the location of the station. When callsigns were regularized, these were allocated in a three letter sequence beginning with OXA.

The first experimental radio broadcast in Denmark took place on October 29, 1922, more than 80 years ago. On this special occasion, the program was broadcast from a communication transmitter on board a ship in the harbor at Copenhagen, and the receiver was installed in a lecture hall in downtown Copenhagen.

From this single and simple event has grown the entire broadcasting industry in Denmark which is on the air now from more than 100 local transmitters. These govern-

ment and commercial stations are on the air almost entirely in the FM band. However, there are still two units on the air in the standard mediumwave and longwave bands, and these can be heard on 243 kHz with 300 kw and on 1062 kHz with 250 kw for nationwide coverage and spill-over coverage into neighboring countries.

During the following year after the inaugural single event transmission, two radio transmitters took to the air with radio programming. One was a radio station operated by a local radio club, and the other was a military transmitter that was diverted part time for broadcast usage. As was stated at the time, these two stations provided listeners with public information and music concerts.

Two years later again, the Danish government took over all radio broadcasting throughout their country, and this was organized as the Danish state broadcasting service. The inaugural date was April 1, 1925. When callsigns were regularized, the identification for the main station in Copenhagen was OXQ, with a similar range of callsigns for the network relay stations in country areas.

In the early era these stations were on the air in the lower end of the mediumwave band, and also in what has become the European longwave band. During the war, radio programming was under the Ministry of Education, and the technical facilities were under the control of the Department of Public Works.

As far as QSL cards are concerned in the early years, the radio station in Denmark was quite reliable in responding to reception reports from listeners. Even though the power output of their stations was quite low, they were heard at times at great distances throughout Europe and even in North America. These days, these old QSL cards are valued collector's items.

Shortwave Radio Denmark—Goodbye!

It was in the year 1928 that the first experimental broadcasts in Denmark were launched on shortwave. Two different stations were involved; 7MK in Skamlebaek and 7RL in Copenhagen, though the experimental 7MK callsign was changed to the international callsign OZF some five years later.

The Danish government took up the matter of international radio broadcasting in earnest in the era just before World War II, and a 6 kw transmitter was installed at Skamlebaek in the early part of the fateful year 1939. Test broadcasts from this new facility were noted in Australia around September under the callsigns OZH and OZF, and quite quickly a regular international broadcasting schedule was established.

Station OZH/OZF continued in service until it was silenced at the time of the German occupation on April 9, 1940. However, a few days later, the shortwave station returned to the air. A few months later again, programming for Radio Denmark shortwave was under the control of the Ministry of Education, and the technical facilities were under the control of the Department of Public Works.

An entry in an Australian radio magazine for June 1941 reports a very strong signal from Radio Denmark shortwave, and the question could be asked: Was this a clandestine usage of the Danish shortwave station at Skamlebaek? A few months later, however, OZU shortwave left the air for the remainder of the occupation era.

In February 1946, Radio Denmark shortwave was reactivated with the same 6 kw transmitter, a unit that had been manufactured locally under the designation K7. At this stage, three callsigns were in use, one for each frequency: OZF, OZH and OZU.


Around the same era, a new shortwave facility was under construction at Herstedvester, where a new 50 kw transmitter, manufactured jointly in Italy and Denmark, was inaugurated on October 1, 1948 under multiple callsigns in the OZ series. Programming

throughout the years has been mostly in Danish, though at times English and Spanish were heard.

When the Herstedvester facility got old, it was closed and in its place a relay was taken out from Radio Norway. But the end has come, and Radio Denmark shortwave left the air forever on the last day of the old year.

Over the years, proposals were made for a big new shortwave station in Denmark with two transmitters at 500 kw. However, instead a new 100 kw BBC transmitter was installed at Herstedvester, and this was inaugurated at half power in May 1982.

When the Herstedvester facility got old, it was closed and in its place a relay was taken out from Radio Norway beginning on February 12, 1990. Three different sites have been in use: Frederikstad, Sveio and Kvitsoy. But the end has come, and Radio Denmark shortwave left the air forever on the last day of the old year.

The old OSL cards bearing the callsigns OXQ, OZF and OZH, together with the Radio Denmark OSL cards showing the map of Denmark, and the pictures of their station, and the painting representing their national anthem, are now treasured historic items for the dedicated collector. "Shortwave Radio Denmark—Goodbye!" 

Listener's Notebook

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ANGOLA 7216.8, *Radio Naclonal*, Luanda, 1445-1500, Jan 17, Vernacular with local rhythmical music and some talks, fair but weak. They must be using a small fraction of the rated 100 kW as this station is barely audible here most of the time. 11955v not heard lately so it will be irregular at best. So the only active Angolan shortwave frequencies are 4950 and 7216.8 (different programmes). (Korinek-RSA, DSWCI DX Window Jan 28/DX Listening Digest/Hauser-OK)

AUSTRALIA/ECUADOR New schedule for *HCJB* Australia effective from Monday, Jan. 4:

0100-0300	English	15560
0300-0330	Urdu	15560
0800-1100	English	11750
1230-1330	English	15405
1330-1400	Urdu	15405
1400-1415	Hindi	15405
1415-1730	English	15405

(Observer-BUL)

BHUTAN 6035, *BBS*, Bhutan, 1400-1410, Jan 25, World News in English by W. Then came back to a local musical programme. First time noted Eng news on Sunday at 1400 UTC. (Chakroborty-IND/Japan Premium)

BOLIVIA 4722.86, January 23, 2245, *Radio Unica* (tentative) seems to be back. Frequency and programming matched, but signal quality was lousy due to bad conditions. (Jan Edh/Ronny Forslund, SW Bulletin Jan 25, via Nilsson/DX Listening Digest/Hauser-OK)

4901.93, *Radio San Miguel*, Beni, Riberalta, 0125-0129, Jan 22, Spanish, comments and musical program, ID "...Radio San Miguel..." (Eramo-ARG/DX Listening Digest/Hauser-OK)

6585.37 (presumed) *Radio Nueva Esperanza*, Jan 5, 0950-1036, preacher, choral hymns, announcements, fair to good signal, not usually heard here (Mohrmann-VT/DX Listening Digest/Hauser-OK)

CHINA Frequency changes for *China Radio International*:

1600-1957	Russian	ADD 5905
1800-1857	Chaozhou	NF 6010, ex-6040 plus ADD 7150
1800-1857	Italian	NF 7325, ex-11875
1800-1957	German	NF 9615*, ex-9620 plus ADD 7170
1930-2027	Esperanto	NF 9745, ex-9720

(Observer-BUL)

National channels: *CPBS* 1st channel is now called "Zhongguo zhi Sheng" (= Voice of China), in English "China National Radio." *CPBS* 2nd channel is called "Jingji zhi Sheng" (=Voice of Business), in English "China Business Radio." "Zhongguo zhi Sheng" is also heard in connection with the newscasts in the 2nd channel. The *CPBS* organization name ("Zhongyang Renmin Guangbo Diantai" = Central People's Broadcasting Station) is retained and is often added before the individual channel names (Olle Alm, ARC/DX Listening Digest/Hauser-OK)

New 2004 schedule of *China Huayi Broadcasting Company*:

0000-1300	6185
1300-1700	4830
2230-2400	4830

Except 0400-0830 cease broadcasting for transmitter checking every Wednesday. Anyone who sent out correct reception report will receive a QSL card of CHBC. Record accept, return postage required.

My address is:

Qiao Xiaoli
Feng Jing Xin Cun 3-4-304
Changshu, Jiangsu 215500
P. R. China

(via DX Listening Digest/Hauser-OK)

Tibet Peoples Broadcasting Station is heard in India with English programming from 1100-1130 UT on three SW channels: 4920, 6110 and 9490 kHz (Jose Jacob-IND, AWR Wayescan Jan 11/BC-DX/Bueschel-DE)

CHINA-TAIWAN Freq/time change for *Radio Taiwan International* in French via ISS:

2100-2200 NF 9345, ex 2200-2300 on 7315

(Observer-BUL)

CLANDESTINE-ASIA *Voice of Jammu Kashmir Freedom* operated by Harkat ul Mujahhudeen as listed in World Radio TV Handbook 2004 on page 579 is noted as follows with a new morning broadcast: 5990 0230-0400

It has been operating for a long time near 5101 kHz at 1300-1430. This transmitter is from Pakistan (as per WRTH 2004) and has lot of hum which is also noted on the new frequency of 5990. With my slight understanding of the language coupled with poor quality reception, I notice that the opening announcement at 1300 UTC tells it as the 3rd transmission. So there seems to be a new afternoon broadcast also. (Jacob-IND/Hard Core DX)

CONGO—DEMOCRATIC REPUBLIC 5066.330, January 13 1715, unID, most likely *La Voix du Peuple*, Bunia. Choir singing, sometimes talk in French. Heard regularly, last time Jan 19. Weak and close-down usually at 1730-1735. Varies circa 10 Hz in frequency from day to day. (Adolfsson-SWE, SW Bulletin Jan 25/Nilsson/DX Listening Dig./Hauser-OK)

CROATIA Frequency change for *Voice of Croatia* via Juelich:

0600-1000 NF 13820*, ex 9470
(Observer-BUL)

ECUADOR Frequency change for *HCJB* in German via Wertachtal:

1800-1900 NF 5925, ex-6015
(Observer-BUL)

GERMANY Frequency change of *Bible Voice Broadcasting Network* via Juelich:

1530-1600 Hindi NF 12005, ex-9705 Su
1530-1600 English NF 12005, ex-9705 Mo/We/Th/Sa
1530-1615 Urdu NF 12005, ex-9705 Tu
(Observer-BUL)

New schedule for *Brother Stair/TOM* via Juelich:

0400-0500 9770
1100-1200 6100 9485 9610 11950 13820 15235
17485 17735 21720
1300-1600 6110 13810
1400-1600 21590
2000-2100 9755
2200-2300 5905 5985 6045 6055 6175 7105 7145
9435 9480 9490 9695 9730

(Observer-BUL)

GREECE Frequency change for *Voice of Greece*:

1900-2000 Polish/En NF 5865, ex-12105
2000-2100 Greek NF 5865, ex-12105

(Observer-BUL)

GUAM KSDA revised schedule 1 Jan.—28 Mar. 2004

0000-0030 Burmese 17635
0000-0200 Chinese 17880
0030-0100 Karen 17635
0100-0200 Chinese 17635
1000-1030 English 11705 11900
1000-1100 Chinese 15260
1000-1100 Chinese 15430
1030-1100 Tagalog 11705
1030-1100 Mongolian 11900 Mo/Tu/Th/Fr/Sa
1030-1100 English 11900 Mo/Tu/Th/Fr/Sa
1100-1130 Indonesian 15260
1100-1200 Chinese 11900
1100-1300 Chinese 11660
1100-1500 Chinese 15725
1130-1200 Javanese 15260
1200-1300 Korean 9780
1200-1300 Chinese 15225

1300-1330 Japanese 11980
1300-1330 Bengali 15660
1300-1330 Japanese 11755
1330-1400 Cambodian 11850
1330-1400 Assamese 15660 Su/We
1330-1400 English 15660 Mo/Tu/Th/Sa
1400-1430 Burmese 11940
1400-1430 Sinhala 15660
1400-1500 Chinese 11800
1430-1500 Karen 15660
1430-1500 Chin 11940
1500-1530 Telugu 15265
1500-1530 Tamil 11985
1500-1530 Mizo 11675
1500-1530 Punjabi 15245
1530-1600 Hindi 15245
1530-1600 Marathi 11675
1530-1600 Malayalam 11985
1530-1600 Kannada 15265
1600-1630 Urdu 11980
1600-1700 English 15495
1630-1700 English 11980
1700-1730 Hindi 11675
1700-1730 Tagalog 11560
1730-1800 English 11560
1730-1800 Tamil 11675
2000-2100 Korean 6045 6195
2100-2130 Japanese 11980 12010
2100-2200 Chinese 11795 11845
2130-2200 English 11980
2130-2200 English 12010
2200-2230 Indonesian 11850 15320
2200-2300 Chinese 11685
2200-2400 Chinese 17880
2230-2300 Javanese 11850 15320
2300-0000 Vietnamese 15320
2300-2400 Chinese 11700 11850

(Domèn-BEL, 13 Jan/DX Listening Dig./Hauser-OK)

INDIA 9819.9, *AIR Pangim* (approximate Portuguese pronunciation is "pazhi" with both vowels being nasal) (both Pangim and Panagi forms are present in the AIR stations e-mail address list), 1316-1334, Dec 9, Indian Vernacular; 33442 with some QRM from a station on DRM mode. (Carlos Goncalves-POR, dswci DXW Dec 17/BC-DX/Bueschel-DE)

INDONESIA 7289 *RRI Serui* noted with its daytime sce in the period 0800-0900*. Monitoring suggests that this outlet is on the air only on weekends, as on December 21. This would be a hard nut to crack outside the Asian area, as power is relatively low! (EDXP/Padula-AUS/BC-DX/Bueschel-DE)

RRI Makassar (formerly Ujung Pandang) was heard around 0800 UT, on Dec 21/22 on reactivated 9552.10v kHz. (Roland Schulze Pangasinan-PHL/BC-DX/Bueschel-DE)

IRAN Frequency changes for *VOIRI/IRIB*:

0100-0227 Tajik NF 5950, ex-4000

0230-0257 Uzbek NF 5950, ex-4000
 0830-0927 Swahili on 17660 and 21530 >>>>
 new transmission
 0830-1157 Dari NF 13720, ex-9855
 0930-0957 Armenian NF 9695, ex-13740
 1130-1227 Swahili on 17630 and 21550 >>>>
 cancelled
 1200-1457 Dari NF 9910& ex-5050
 1230-1327 Malay NF 15275 (former in
 Italian), ex-15585
 1500-1557 Uzbek NF 5955* ex-4000
 1600-1727 Tajik NF 5955* ex-4000
 (Observer-BUL)

ISRAEL Updated schedule for *Kol Israel* according to monitoring on Jan.2-5, 2004:

0000-0500 Hebrew 7545
 0400-2210 Arabic 5915
 0500-0515 English 6280 7545 17600
 0500-1655 Hebrew 15760
 0515-0530 French 6280 7545
 0530-0555 Hebrew 7545
 0600-1100 Hebrew 17535
 1100-1110 French 15640 17535
 1110-1120 English 15640 17535
 1120-1130 Spanish 15640 17535
 1130-1500 Hebrew 17535
 1500-1600 Farsi 9985 11605 17545 Fr/Sa
 1500-1625 Farsi 9985 11605 17545 Su-Th
 1600-1625 Spanish 11605 17545 Sa
 1630-1645 French 11605 17535
 1645-1655 Spanish 11605 17535
 1700-0455 Hebrew 9345
 1700-1725 Yiddish 11605 17535
 1725-1745 Romanian 11605 17535
 1745-1800 Hungarian 11605 17535
 1800-1815 English 9435 17535
 1815-2000 Russian 9435 17535
 2000-2025 English 6280 11585 15640
 2030-2045 French 11585 15640
 2045-2100 Spanish 11585 15640
 2100-2355 Hebrew 11585

(Observer-BUL)

KOREA—SOUTH Change for *Radio Korea International* in French:

1700-1800NF 3955 Skelton, ex 2100-2200 on 6145

(Observer-BUL/DX Listening Digest/Hauser-OK)

LIBYA Frequency change for *LJB Service* in Arabic to Iraq:

1202-1302 NF 11660, ex-17600 (Observer-BUL)

MADAGASCAR 6135.1, *Radio National Malagasy* heard at 1435-1445 Jan 19 in Malagasy with a talk program with phone-ins and some local music, fair on Jan 17; // 7105.0 which was good (Korinek-RSA, DX-plorer via BCDX Jan 26/DXLD/Hauser-OK)

MALAYSIA Re reports that domestic shortwave has been closed down: 4845, *RTM-Tamil* nothing at

1422 Jan 28. Spot check did reveal Indo service on 6175 and // 9750 (Hans Johnson-FL, Cumbre DX/DX Listening Digest/Hauser-OK) Usually strong here, but haven't heard them at all for, let's say, about two weeks now (Savolainen-FIN/Cumbre DX/DX Listening Digest/Hauser-OK)

PAKISTAN Frequency changes for *Radio Pakistan*:

0945-1015 Tamil NF 17485, ex-17495
 1015-1045 Sinhala NF 17485, ex-17495
 1600-1615 English NF 9395, ex-9320
 1700-1900 Urdu WS NF 9395, ex-9320
 1715-1800 Persian NF 5846v, ex-5840v

(Observer-BUL, Jan 13/DX Listening Digest/Hauser-OK)

PHILIPPINES Frequency change of *FEBC Radio International*:

1030-1400 Thai/Hmong/Lao/Mien/Khmu NF
 12060, ex-12095
 1100-1430 Burmese/dialects NF 15355, ex-15095

Frequency change for *Radio Veritas Asia* in Hmong:

1000-1025 NF 11830, ex 11850

(Observer-BUL)

POLAND *Radio Maryja* has left shortwave as of Jan 01. (Zaremba-POL and Petersen-DEN/DSWCI DX Window Jan 14/DX Listening Digest/Hauser-OK)

PORTUGAL Changes for *RDP International / Radio Portugal* in Portuguese:

0600-0755 11675 Mo-Fr cancelled
 0800-1055 NF 17710, ex-21655 Sa/Su
 2000-2355 NF 12040, ex-11860

(Observer-BUL)

RUSSIA Some clandestine and religious stations using shortwave transmitters in Russia B03:

IBRA Radio

1200-1330 5895 Petropavlovsk
 1230-1300 7115 Vladivostok
 1530-1700 9415 Armavir
 1900-2030 5935 Samara

Radio Ezra

1900-1930 7560 Armavir Su

Fang Guang Ming Radio

2100-2200 6035 9625 Samara

Mesopotamian Radio & TV

1700-1800 7560 Samara Tu/We/Fr

Sowt al-Watan / Voice of Homeland

0430-0500 7510 Samara
 1600-1630 7470 Samara

Dejen Radio

1700-1800 12120 Samara Sa

Radio Suthid (Tigreau Int'l Solidarity)

1700-1800 12120 Samara Sa

Voice of Ethiopian Medhin

1830-1930 12120 Samara Su

Radio Amani

1630-1730 7350 Armavir Fr

Voice of Khmer Krom

1400-1500 11550 Vladivostok Tu

IBC Tamil

0000-0100 7460 Novosibirsk

Degar Radio

1300-1330 7125* Chita Tu/Th/Sa

*alternate frequencies: 7180, 7420

Trans World Radio (TWR)

1115-1645 7560 Irkutsk

1600-1630 7365 Samara

Sowt Loubnan al-Hurriyah / Voice of Free Lebanon

1600-1700 11515 Samara

(Rudnev-RUS)

Voice of Russia relay via SW transmitters abroad, through March 27**Armenia**

9965 0000-0300

11510 1700-2000 500

Moldova

6170 1800-2100

7125 0100-0600

7180 0100-0600

Tajikistan

4940 1300-1500

4940 1600-1700

4965 1300-1500

4965 1600-1700

4975 1300-1500

4975 1600-1700

7510 1500-2000

7570 0000-0300

9945 0200-0300

11500 1200-1500

17495 0800-1000

17525 0800-1000

Ukraine

6155 0200-0400

7240 0200-0400

China

11500 1500-1600

Vatican City State [SMG site]

7350 0300-0500

9765 0200-0300

Germany [DTK T-systems Juelich]

5965 2000-2200

5975 2000-2200

5990 2100-2200

5995 0200-0400

6170 1700-2200

6175 2300-2400

9555 1500-1600

(Rudnev-RUS/RUS-dx Jan 11 via BC-DX/DX Listening Digest/Hauser-OK)

SEYCHELLES [non] Frequency changes for FEBA Radio:

0130-0200 Telugu 7365 additional

0130-0200 Telugu NF 9515, ex-11890

1400-1415 Urdu NF 9885, ex-9630 Su-Th

1400-1500 Hindi NF 9885, ex-9630 Fr/Sa

1415-1500 Hindi NF 9885, ex-9630 Su-Th

(Observer-BUL, Jan 13/DX Listening Digest/Hauser-OK)

SUDAN Radio Omdurman in Arabic again noted on shortwave:

1300-1800 7200

(Observer-BUL)

UNITED STATES OF AMERICA Frequency changes for **Radio Liberty**:

0100-0200 Russian NF 6170, ex-7235

0400-0500 Ukrainian NF 3985, ex-6170

1400-1500 Turkmen NF 12025, ex-15185

Holzkirchen

1700-1800 Armenian NF 9725, ex-11865

Holzkirchen

(Observer-BUL)

Frequency changes for Voice of America:

0100-0200 Urdu NF 11730, ex-6170

0500-0600 Ukrainian NF 3985, ex-6170

1300-1400 Korean NF 15250, ex-11900

1330-1430 Khmer NF 11965, ex-11865

1600-1700 Bangla NF 15185, ex-15170

1900-2000 Persian NF 9980, ex-9680

1900-2000 Persian NF 9680, ex-12110

2100-2130 Ukrainian NF 3980, ex-7190

2300-2400 English NF 15150, ex-15110

(Observer-BUL, Jan 13/DX Listening Digest/Hauser-OK)

UZBEKISTAN Frequency change for **Voice Of Tibet** in Tibetan/Chinese via Tashkent:

1430-1517 NF 7525 or 7465, ex-12025 or ex-11975

(Observer-BUL)

Pirate Radio Report

Chris Lobdell • P.O. Box 146 • Stoneham, MA 02180-0146 • clobdell@comcast.net

Hello and welcome to the *Groundhog* edition of the *Pirate Radio Report*. I can't remember if there are any groundhog themed pirates, but maybe James Brownyard of **WHYP** might do a show in honor of Groundhog Day. Keep your ears tuned in.

The Voice Of Pancho Villa

Yes, it's time to make your plans to attend this year's Winter SWL Fest in Kulpville, PA. It will be held this year on March 12-13, 2004. The registration details can be found inside the back cover of *The Journal*.

Your editor is planning to be attendance this year. There is always a good turnout of pirate type people and if you've ever wanted to meet the infamous Jay "Bozo" Smilkstein, Allan Weiner of WBCQ and Martin Peck of Co-Op City, NY, this is your chance! Of course, we're all hoping Scarfman will be able to come as well. The midnight broadcast of The Voice Of Pancho Villa is well worth the admission price. I hope to see many of you there.

Loggings

Many thanks to the following fine folks who contributed this month. Ross Comeau-MA, Rich D'Angelo-PA and George Zeller-OH

Grasscutter Radio was logged on New Year's Day from 2156 past 2240 with a program of rock music on 6925 kHz. [D'Angelo-PA]

KIPM was logged on 6950 USB from 0155-0307 sign off on December 28th with an SIO of 232. The first of three programs in a long marathon broadcast, Alan Maxwell with a show about space aliens. Occasionally subject to what appeared to be brief jamming, with random remarks like, "eat me," "boring," etc. Gave Elkhorn address and promoted reports so that Maxwell can determine if there is an audience for programming

like this. Also gave the URL for their web site at <http://homepage.mac.com/kipm/Menu5.html>, which is the most elaborate shortwave station web site that I have ever seen, either licensed or pirate. I had to find it on Google, however, since this is not the URL that they announced. [Zeller-OH]

KIPM noted again on 6950 kHz USB from 0307 to 0411 sign off on December 28th with the *second* of three programs in a marathon broadcast. Alan Maxwell with another program about aliens who colonize the earth. Maxwell himself has a failed romance with a plant girl. [Zeller-OH]

KIPM with the *third* program on 6950 kHz USB from 0414-0533 on December 28th. This one contained some classical instrumental music in a minor key, but much of the show was Maxwell talking about his romance with another alien girl. [Zeller-OH]

Radio Casanovas, another high powered Dutch pirate was heard on New Year's Eve, December 31st at 2335 UTC shortly after they signed on 6265 kHz. Unfortunately the signal faded after about 15 minutes. They issued a nice QSL card and can be contacted at Box 73, 7160 AB, Neede, Holland. [Lobdell-MA]

Radio Cupido from Holland, like **ROZ**, also tested up on 13 meters. They were noted with a very weak signal in 21895 kHz from 1350 past 1600 UTC on January 18th. [Lobdell-MA]

ROZ-Radio Omroep Zuid, the Dutch pirate has again ventured into the higher frequencies. Ross heard them on 21890 kHz on December 27th at 1640 UTC past 1715 UTC playing old pops. Excellent AM signal. [Comeau-MA]

-Happy Pirate DX!



QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010

radio six international

PO Box 699, Glasgow, G11 2BN, Scotland
http://www.rsix.com

Dear Scott R Barbour Jr.

We congratulate you on being one of the first listeners to our very first test transmissions on short wave on **FRIDAY 28th NOVEMBER 2003** between 2100 and 2130 UTC.

Our transmitter QTH is OS 11E 45.27N - Milano, Italy
The frequency used was 5775kHz with a TX power of 100kW omnidirectional.
Programmes were live fed to the transmitter from our studios in Glasgow, Scotland.

We are delighted to confirm your reception report from: Interale, NJ, USA

2100-2112

TONY CURRIE
Programmes Director
radio six international

Our scheduled TX will be on 30 and 31 Dec 2003 0600 - 0630 for 11 hours.

al ltr. in 48 ds. for a PT rpt. and cassette tape. v/s Eduardo Weber, Coordinador de Producao. (Klinck-NY). Radio Guaruja Paulista 5045 p/d ltr. in 1 mo. v/s Orivaldo Rampazo. (Pasziewicz-WI).

STATION NOTES: WRNO 7355 v/s Robert Maire, Chairman of the Board. Addr: Good News Radio, P.O. Box 895, Fort Worth, TX 76101. WSHB 7535 v/s C. Riemh, Chief Engineer. Addr: 1030 Shortwave Lane, Pineland, SC 29934. WTJC 9370 v/s A. Robinson. Addr: WTJC/FBN, 520 Roberts Road, Newport, NC 28570. WWBS 11910 v/s Charles C. Josey, General Manager. Addr: 965 Hickory Drive, Macon, GA 31204-1018. Radio Bethel 5940 v/s Reverendo Josue Ascarruz Pacheco, Jefe Movimiento Misionero Mundial. Addr: Apartado 1669, Arequipa, Peru. Radio Cultural Amauta 4955 v/s Sra. Demetria montes Sinforoso, Administradora.....via PLAY DX....Sam.

CLANDESTINE: World Falun Dafa Radio 9930 via KWHR p/d cd. w/ site but no frequency and a Falun Dafa brochure from City of Industry, CA in 1 mo. Also rcvd. identical p/d cd. w/ same brochure from the Baldwin

Park, CA address in 1 mo. (Craighead-KS).

ECUADOR: HCTB 15115 f/d "Volcano Guagua Pichincha" cd. in 52 ds. for 3 ms. Also rcvd. calendar, schedule and other goodies. (Weissborn-TX).

GREECE: Voice of Greece 12105 f/d "Beach in Lefkas" cd. w/ tourist brochure and schedule in 56 ds. for 1 IRC. (Brouillette-IL).

Italian Radio Relay Service
P.O. BOX 10980, I-20110
phone + 39 02-266 6971

QSL CARD

Thank you for your reception report of our transmission:

on: 28/11/2003

at: 2045 UTC

freq.: 5775 kHz

which is in accordance with our schedule. We hope that you will continue to enjoy our programmes.

REMARKS: BWA 335



SCOTT R. BARBOUR JR.

POB 893

INTERALE, NJ 03845

USA



RADIO CANADA
INTERNATIONAL



www.rcinet.ca rci@montreal.radio-canada.ca

GUINEA REPUBLIC: Radiodiffusion Guineenne 7125

* and 9650 f/d e-mail reply in 1 day although I've been waiting 20 years for this QSL! v/s Issa Conde. VIC #215 (Paszkwicz-WI).

GUYANA: Voice of Guyana 3291 f/d prepared cd. in 44 ds. for \$1.00 v/s Shiroxley Goodman, Chief Engineer. (Klinck-NY).

HOLLAND (Euro Pirate): Alfa Lima International

6279 and 6264.8 2 f/d cds. featuring the station operator, Alfred, transmitter and a buxom blonde. Also rcvd. 2 infosheets and a personal note in 35 ds. and 14 ds. respectively. (Barbour-NH)...Scott, you asked me how Alfred got that topless photo of your wife. My answer is...I sent it to him!

HAWAII: KWHR 9930 f/d blue "Map" cd. in 182 ds. for ms. (Weissborn-TX). (Klinck-NY)

ISRAEL: Galei Zahal 6973 f/d "Man/Mike" cd. in 60 ds. for a taped rpt.

ITALY: Radio Six International 5775 via Italian Radio Relay Service f/d

* "First Test Transmission" cd. w/ site and power in 19 ds. for an e-mail rpt. v/s Tony Currie, Programme Director. Verie pleased w/ this QSL. (Barbour-NH).

Bible Voice BROADCASTING

THANK YOU FOR LISTENING!
Reception Confirmation

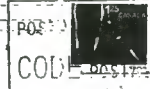
Date: May 28 / 03

Bible Voice Central America 1

Frequency 13725

Time 1902-1915 UTC

mail@biblevoice.org www.biblevoice.org
0384540893 088



Scott R. Barbour Jr.
P.O. Box 893
Intevale, NH 03845
USA



Members Notes: Jerry Klinck says new years greetings to everyone. Now that the festivities are past its time to start DXing again. **Scott Barbour** says QSLs seem to be picking up a little bit. DX to southeast Asia seems to be good in the morning. You always seem to send in a very nice selection of QSLs each month...Sam. **Gerry Bishop** sent me a nice Christmas letter from Florida. Thanks for reminding me how warm you are...Sam...As I'm typing this the wind chill is 20 below...Sam.



Italian Radio Relay Service 5775 f/d "Theatre Royal" cd. in 24 ds. for 2 IRCs. (Barbour-NH).

LITHUANIA: Radio Ezra 7560 f/d 2 sided * Commemorative QSL / Ten Commandments" sheet #9 of 10 w/ schedule and Karism pamphlet in 10 ds. for an e-mail rpt. v/s John D. Hill, Station Owner (Barbour-NH). **Radio Vilnius** colorful f/d cd. in 1 mo. (Lawrensens-RI).

MYANMAR: Radio Myanmar 5985.8 personal ltr. w/ schedule in 456 ds. via registered mail. (Glottzbach-NM).

NORWAY: Radio Denmark 7490 via Kvitsoy f/d cd. in 10 ds. (Craighead-KS).

PERU: Radio Cultural Amauta 4955 f/d prepared cd. w/ personal ltr. in 22 ds. for a SP rpt., tape and \$1.00. v/s Demetria Montes Sinforoso, Administradora ARCA. (Klinck-NY).

RUSSIA: Voice of the Mediterranean 12060 cd. w/o site showing aerial

HRVATSKA RADIOTELEVIZIJA

CROATIA

To: Mr. Willshaw,

We are pleased to verify your reception of our station.

Date: 01.01.2001 Time: 19:30 to 20:30

Power (kW): 100 Freq. (kHz): 13.830.0

Transmitter Location: Deanovec

Comments: Thank You for nice reception report.



HRVATSKA RADIOTELEVIZIJA, 10000 ZAGREB, Pristivlje 3

view of Valetta in 88 ds. for 1 IRC. (Brouillette-IL). SINGAPORE: British Broadcasting Corporation 15360 via

Kranji f/d "Transmitter Site" cd. in 21 ds. for 1 IRC. (Brouillette) SOUTH AFRICA: Radio Biafra International 7380 f/d e-mail reply in a * few days from v/s Oguchi Nkwocha. (Paszkievicz-WI).

THAILAND: British Broadcasting Corporation 17615 via Nakhon Sawan f/d "Antennas" cd. in 7 wks. v/s Mr. Eakkalak K. (Craighead-KS). Radio Thailand f/d cd. after a f/up rpt. via registered mail. (Lawrensen)

TURKEY: Voice of Turkey 9655 "Urfa-Harran Houses" cd. w/ date only in 49 ds. for 1 IRC. (Brouillette-IL).

USA: WBCQ 7415 f/d "Globe and Rainbow" cd. in 12 ds. for SASE. (Brouillette-IL). WBOH 5920 f/d "FBN Lighthouse" cd. in 3 wks. v/s D. Robinson. (Craighead-KS). WHRI 5745 f/d white "Map" cd. in 200 ds. for ms. (Weissborn-TX). Radio Taiwan International 5950 via WYFR p/d "Playa Varese" electronic QSL in 2 days from Club de Oyentes de RTI in Argentina. This was for a SP rpt. (Weissborn-TX). p/d e-mail QSL

STATION NOTES: Voice of National Salvation 4450 Addr: Grenier Osawa 107, 40 Nando-cho, Shinjuku-ku, Tokyo, Japan. Voice of Oromo Liberation 15715 via DTK Addr: Oromo Bildungsradio e. V., Prinzenallee 81, DE-13357 Berlin, Germany. Voice of Tibet 15670 Addr: The Foundation

Voice of Tibet, St. Olavs Gatan 24, N-0166 Oslo, Norway. La Voz de Tu Conciencia 6010.9 v/s Martin Stendal, Administrador. Addr: Libreria, Colombia Para Cristo, Calle 44N 13-69, Local 1, Barrio Palermo, Bogota, DF, Colombia.....via PLAY DX.....Sam.

"Mar del Plata" in 17 ds. for a SP rpt. (Weissborn-TX).

USA (Pirates): KIPM 6925 full color "Existentialistic Pirate Radio" glossy sheet w/ CDs and info sheet in 92 ds. for \$5.00. (Barbour). Ragnar Radio 6925 p/d sheet w/ photo featuring cabin and transmitter in 22 ds for e-mail rpt. 50 watts. (Barbour-NH).

Rather short Column this month. As I'm typing this it is -40 wind chill outside. Can't receive anything I think the signals are frozen...Sam.



CERTIFICADO DE SINTONIA

Radio Nor Andina Empresa Individual de Responsabilidad Limitada expide el presente certificado de sintonia al Señor ADIE N. Durden con el domicilio: 840 Westview Drive, Albany, Estado de Georgia, 31705 Estados Unidos de Norte America, quien sintonizó a nuestra estación de onda corta en la frecuencia de los 4461 kHz en la banda tropical de 65 metros, el día domingo, 8 de mayo de 1994, desde las 00:14 hasta las 01:00 horas en hora local peruana, con el programa titulado "Congratulaciones Musicales".

Radio Nor Andina fue fundada por el Señor Misael Alcántara Guevara el día 1 de mayo de 1985. La emisora transmite en los 4460 kHz en onda corta con un transmisor de fabricación nacional de un kilo vatios de potencia efectiva con el siguiente horario: 05:30-09:00 (emisión matinal) y 16:00-23:00 (emisión nocturna) diariamente. Nuestros estudios y oficinas están ubicados en Jirón José Galvez No.602 al frente de la Plaza de Armas y la planta de transmisión está situada en Pampa Grande en la Provincia de Celendín.

Desde la ciudad de Celendín, el cielo azul del Eden, Cajamarca, Perú, se expide el presente certificado a solicitud del interesado y para los fines que estime conveniente.

Celendín, Domingo, 7 de octubre de 2001



Misael Alcántara Guevara Gerente - Proprietario

Net Notes

Tom Sundstrom • P.O. Box 2275 • Vincentown, NJ 08088-2275 • Fax: 609-859-3226 • trs@trsc.com
http://www.trsc.com

Apologies for missing last month's bulletin. The page was almost set to go, the phone rang, and the holidays happened. By the time we returned from our daughter's home in Vermont... now you know the rest of the story.

"After some thirty years in the wilderness I have returned to NASWA," writes Ray Steen of Walla Walla, WA. "Here is a marvelous URL... www.lanic.utexas.edu" that is the Latin American Network Information Center. "The first screen reveals fourteen choices..." including Media and Communications with 11 categories. These include "Radio, Television, Newspapers, Magazines, etc. Those who read and speak Spanish will profit the most but there is plenty in English too. Under Radio, I listen to Radio Beethoven from Santiago, Chile. Under Newspapers, I like to check out the venerable (suppressed by Peron) Buenos Aires Herald, an English language weekly. There is lots more."

Thanks Ray. We did some further research and found similar collections at the universities of California and Kansas, Vanderbilt, Yale, New Mexico, and Carnegie Mellon.

Those who focus on Latin American DXing should make note of these resources. It is absolutely incredible what can be found by a few clicks of a mouse button.

We got him. Those three words spoken by Ambassador L. Paul Bremer III, Coalition Provisional Authority administrator exploded across the popular press in print, video, and audio on 14 December. Saddam Hussein had been captured in Tikrit the day before; DNA tests and positive identification was made before the press announcement. An

early Christmas present for the military forces serving in Iraq, the Bush administration and our allies, we can only hope that the terrorist attacks slow or stop.

A few more English-language newspapers were added to the listing at trsc.com, but the BBC News Desk [news.bbc.co.uk] AV Console panel at was filled with interesting video not seen in the US.

Voice of Mesopotamia

The Starchat Internet Relay Chat channel #swl channel came alive one morning circa 1400 UTC. Jerry Johnston in Kentucky, USA, said "tune to 11530 kHz" and there was a call-in program with lots of mentions of President Bush. It was a good signal in North America. Apparently in Kurdish, others in the #swl channel tuned in the station. A clandestine broadcaster, Denge Mezopotamya, reportedly uses a 500 kW transmitter in Moldova, to target audiences in Iraq and Turkey. The program continued after the half-hour with music.

Where is Mesopotamia? Dan Ferguson, also a resident in the #swl channel pointed me to a map at fsmitha.com/h1/map01mes.htm of what is now mostly Iraq. The time frame? 2500 B.C.

Denge Mezopotamya is on the Web at www.denge-mezopotamya.com and carries its programming in RealAudio. The "WhoIs" data shows the domain is owned by Mehmet Dirik, info@rojonline.com, Carl Ulrich Str. 11, 63263-Neu Isenburg, Germany, with an expiration date of 21 February 2005. Looking at rojonline.com, this address is Roj Online, Rudolf-Diesel-Strasse 16, Hessen 65760 Eschborn, Germany. Interestingly, the domain expires on 18 May 2004.

Contributors' Page

Bob Montgomery • P.O. Box 1458 • Levittown, PA 19058 • RMonty23@netzero.net

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	NRD-545 AOR AR-7030 100' LW
Scott BARBOUR, Intervale, NH	R-75, MLB-1, RS antenna system
John BEATTIE, Ventura, CA	Drake R8B, Eavesdropper dipole, MFJ1026
Jerry BERG, Lexington, MA	R8A 165' LW
Paul BROUILLETTE, Geneva, IL	Drake R8, ICF2010, 60' long wire
Rich D'ANGELO, Wyomissing, PA	TenTec R340, Lowe HF-150, DX Sloper
Kris FIELD, Horsham, PA	Drake R8, long wire
Ron HOWARD, Monterey, CA	NRD545, LW 160'
Bob MONTGOMERY, Levittown, PA	NRD535D, R390A, RX320, HF150, SE3, T2FD,
David MUEHLING, Portsmouth, NH	Sat 800, 40' long wire
Ed NEWBURY, Kimball, NE	WJ-1000, R8, 60' sloper, 20' loop
Mike PACE, Tipton, IA	Drake SW2, MFJ1022
Sheryl PASZKIEWICZ, Manitowoc, WI	R8, ICF2010, NRD525, 60' Eavesdropper
David ROSS, Hamilton, ONT	Icom R70, Alpha Delta Sloper

Not many contributors this month. This time of the year can bring some reasonable conditions and a few surprises. Might want to give the dial a spin before the summer static crashes begin. Yes, spring is around the corner.

The Winter Fest is coming up soon. Looking forward to this annual event. If you have never attended, you might consider coming out and seeing what its all about. Always interesting.

73

Bob Montgomery



NOTICE TO NEW MEMBERS:

Some of you didn't receive this information. A few December Journals with the latest complete English Schedule are still available for \$2.00 or by adding it to your membership subscription. Write to NASWA, 45 Wildflower Road, Levittown, PA 19057 or email weoliver@comcast.net.

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Tropical Band Loggings

Dan Ferguson • 12053 Kahns Road • Manassas, VA 20112 • troplogs@zerobeat.org

- 2310 **AUSTRALIA ABC** Alice Springs 1144 - M EE nx; nothing on 2485. (Montgomery-PA 12/28) 1020-1032 M&W EE interview, ment's "ABC", folk-like music. W w/presumed ID over mx 1029; poor 12/30. (Barbour-NH) 1239 M EE tlk, fair //2325 poor, 2485 very poor; 1/1 (Lineback-KS) M weak 1149 1/1. Field-PA)
- 2390 **MEXICO Huayacocotla XEJN** Huayacocotla, Dec 6 2335 - Id is tentative as very weak at S2 level with SS mx playing at tune in. First time copy here for this one. Too weak to get an ID. (Montgomery, PA)
- 3172.61 **PERU R. Municipal** Panao, presumed 1057-1110; OA mx & M; 12/30. (Wilkner-FL)
- 3220 **ECUADOR HCJB** 0927 M&W SS, many ments Ecuador; 1016 Andean flute/guitar instl song; 1/19. (Wiseblood-TX)
- 3235 **PAPUA NEW GUINEA R. West New Britain** Kimbe 1158-1159 Pidgin/EE barely audible island mx; 1/2. (Field-PA)
- 3245 **PAPUA NEW GUINEA R. Gulf Kerema** 1149 M in Pidgin; vy weak but audible copy; 12/28. (Montgomery-PA)
- 3250 **HONDURAS R. Luz y Vida** San Luis SS 0105, ranchera style mx, M w/saludos & dedications, then radio drama. Very good 12/13. (Brouillette-IL) 3250.06 0355-0404* SS tlk, Ids, closing anmts, NA; fair 12/25. (Alexander-PA)
- 3255 **BRAZIL R. Educadora 6 de Agosto** 0956-1007 PP, M w/mx and talks re "Christo". F/P w/static 12/24. (Barbour-NH)
- 3255 **S.AFRICA BBC** Meyerton 0256-0310 bells until multiple IDs just prior to time pips 0300, BBCWS ID, into The World Today; fair & //5975; 1/15. (D'Angelo-PA) 0338-0338 2 M in EE; signal up as high as 42233 SINPO; 1/3. (Field-PA)
- 3279.55 **ECUADOR La Voz del Napo** 0925 M monotone Spanish preaching; 1/29. (Wiseblood-TX)
- 3290 **PAPUA NEW GUINEA R. Central** 1145 YL pop mx; 1/2. (Field-PA)
- 3291.2 **GUYANA VoG-GBC** 0912 M EE Happy Birthday anmts, M&W Hindi song about exchanging marriage vows. ID 0934 "You are tuned to the Voice of Guyana, from the Guyana Broadcast Corporation", vy strong 1/19. (Wiseblood-TX) 3291.21 0930-0935 birthday greetings, 1/16. (Wilkner-FL) 3291.1 0250-0332 a little lower than usual with pop tunes; M EE ID 0327 w/ments some song titles; fair 1/15. (D'Angelo-PA) 3291.4 0934 M&W EE tlk 1/2. (Field-PA) 0138-0202 EZL mx, ID, soft ancr. First 90mb hrd here in ages; 1/11. (Paszkievicz-WI) 3291.07 0910 "wishing you the best of the Christmas season..", 0958 dedications; 12/23. (Wilkner-FL) 3291.2 EE 0133-0207, "BBC Caribbean Magazine", then features pgm by W. This is probably no big logging for many, but at my QTH it is never more than a carrier with little or no mod.; very strong 12/13! (Brouillette-IL)
- 3300.20 **COLOMBIA Em. Ideal** Planeta Rica 1020-1110 ments de Colombia y Ideal; 12/30. (Wilkner-FL)
- 3310 **BOLIVIA R. Mosoj Chaski(t)** Cochabamba; 0932-0928 W in SS, occ. static crashes; 1/2. (Field-PA)
- 3315 **ADMIRALTY ISLAND R. Manus** 1146+ EE/Vernacular; weak w/mx; under QRN, //4890; v.poor 12/25. (Barbour-NH)
- 3320 **S.AFRICA R. SonderGrense** 0335 M w/ballad, acoustic guitar; 0340 2 W in Afrikaans, ment Africa; M EE rock song "Everybody Needs Someone To Love"; 1/3. (Field-PA)
- 3324.8 **GUATEMALA R. Maya** Barillas; 0320-0330* Lcl rel pgming with talk & lcl rel mx. Abrupt s/off. Poor-weak. Also hd at 0923-1000+ with rel pgming. ID anmt at 0931 with fair signal. (Alexander-PA 12-27) 1010 mx; M SS ancr 1020 ment Guatemala twice during long talks; back to mx 1026; 12/28. (Montgomery, PA) 3325 1013-1030 pop music and ballads, full "Radio Maya" ID 1028; fair 12/24. (Barbour-NH)
- 3340 **HONDURAS HRMI** 0400-0503* SS rel pgm; ballads, Ids; irregular, hrd 12/19, not 12/25 or 26. Fair. (Alexander-PA)
- 3345 **S. AFRICA AWR (P)**; 0331-0331 M&W EE tlk; 0343 W w/tlk abt 'alternatives to Africa'; 0400 time pips & M ments S.Africa. World Cup; 1/3. (Field-PA)
- 3355 **PAPUA NEW GUINEA R. Simbu** 1126-1138 Vernacular, M w/mx & tlks, vy poor 12/25. (Barbour-NH) 1154 pop mx by M; 1/2. (Field-PA)
- 3365 **PAPUA NEW GUINEA R. Milne Bay** 1052-1125 EE/Vern.; vy weak mx & tlks, improved by 1113, local music //4890; poor 12/25. (Barbour-NH) (t) 1147 M in Pidgin; 1/2. (Field-PA)
- 3375 **BRAZIL R. Nacional** Sao Gabriel; 0939 rooster crow, M PP anmts, TC, Brazilian vocal ballads; 1/19. (Wiseblood-TX)
- 3925 **JAPAN R. Tampa** 1122 M&W JJ tlks, classical mx. Fair till hams overtake freq; 12/24. (Barbour-NH)

- 3976 **KALIMANTAN RRI Pontianak** 1027-1040 M w/continuous II tlks; clear for 2 whole minutes(!!), then hams appeared, burying the signal by 1040; 12/9. (Barbour-NH)
- 4052.52 **GUATEMALA R. Verdad** Chiquimula; 2250-2300 Christmas mx, ID, P.O. Box 12/22. (Wilkner-FL) 4052.48 0320-0400 SS anmths, Ids, rel mx; fair 12/13. (Alexander-PA)
- 4260.33 **PERU R. Ilucan** 1055 "atencion... todos hermanos oyentes" 1100 into Las Palabras de Dios; 12/23. (Wilkner-FL)
- 4386.56 **PERU R. Imperio** 0930-1000+ "...Santa Cruz en Jesus Cristo....las palabras de Dios..." 12/22. (Wilkner-FL)
- 4427.78 **PERU R. Bambamarca** 1040 "las cinco en las manana..... Radio Bambamarca ...radio Bambamarca" 12/26. (Wilkner-FL) 4427.89 1035-1045+ SS talk, ID; huaynos; fair 1/1. (Alexander-PA)
- 4722.83 **BOLIVIA R. Uncia** 1010-1015 M TC; M talk over music, 12/23. (Wilkner-FL)
- 4746.8 **PERU R. Huanta 2000** 1038-1043 animated SS ancw/mx, ID, anmths; fair 12/24. (Beattie-CA) 4746.88 1005-1040+ SS tlk, OA folk mx, ID; fair 12/7. (Alexander-PA) 4746.9 2320 M SS tlk, vy weak; better 2352 Andean mx, clear mentions of "R Huanta" and "Cusco". 12/5. (Brouillette-IL) 4747 musical program from 1045; good 12/29. (M.Field-MI)
- 4759.97 **LIBERIA ELWA** 0556 repeated IS, choral vocal 0559, ID w/fqys 0600, but couldn't understand much of the talking after that as voice audio very low; 12/28. (Berg-MA) 4760 *0556-0610+ celiste IS, px of rel mx; poor 12/7. (Alexander-PA) 2224-2232* EE, instl version of "First Noel", Handel's "Messiah" w/full choir; barely audible M 2230, then NA & off; 12/30. (Barbour-NH) EE 2225-2231*, choral music, live crowd noise, straight to NA by brass band w/no anmth, and tx off at 2231; vy weak 12/21. (Brouillette-IL)
- 4760 **ANDAMAN & NICOBAR IS. AIR** Port Blair 1530 EE ID & nx, //4775//4970//9425; 1/5. (Howard-CA) 1141-1152 Tamil; W at tune-in, then M w/long talk, fading out at 1150 w/W tlks and mx; fair/poor 1/3. (Barbour-NH)
- 4765 **BRAZIL. R. Rural** Santarem, carrier on at 0800 Dec 31, opened with light mx at 0809, full ID with fqys at 0812, prayer 0813 ending with "Amen, amen, amen," then "Bom Dia" and upbeat campo mx. Signal level fairly good, audio a little low. (Berg-MA)
- 4770 **NIGERIA R. Nigeria** Kaduna EE 2242-2247, dance mx covers "Locomotion", "I Never Promised You a Rose Garden". No actual anmths; 12/21. (Brouillette-IL)
- 4773.6 **ECUADOR R. Centinela del Sur** (P) 1137-1201 SS pop mx; probable ID but could only get "...radio nacional ... cristiana ... para 2004 ... national ... frecuencia modulada ... amigos oyentes de ..." Then emergency anmth about an earthquake and mentioning several persons killed. Could copy almost all but the ID!! Vy poor 1/2. (Brouillette-IL)
- 4775 **SWAZILAND TWR** 0340 in lang, lively Afro music, M w/emergency vehicle sound effects (PSA?); 12/31. (Brouillette-IL)
- 4781.38 **ECUADOR R. Oriental** Tena 1010-1100+ SS anmths, ads, jingles; rustic HC mx, HC pops, sound effects; sirens, ID. Good 12/13. (Alexander-PA)
- 4784.4 **MALI RTV Maliene** 2315-2322 nice local pop music, M FF ID "Radio Nationale du Mali"; good but marred by sweeper 12/27. (Brouillette-IL)
- 4790 **INDONESIA RRI Fak-Fak** 1311 strong with news from Jakarta read by Man in INDONESIAN, many mentions of Indonesia (Wisblood-TX 1/19)
- 4790 **INDIA AIR** Chennai 0100-0115* S/C mx, lang tlk; fair level but poor reception due to swisher QRM 12/27. (Alexander-PA)
- 4790(P) **PAPUA (Irian Jaya) (P) RRI Fak Fak**(P), in IN, 1334-1404, Christmas church service w/ choral singing, "O Come All Ye Faithful", M priest in IN leading service. M anncr in studio w/ voice over during parts of service. Very strong at first, but fading around 1400. 12/24. (Brouillette - IL)
- 4799.8 **GUATEMALA R. Buenas Nuevas** 1204-1217 children singing, then M SS ID & very brief talk: female vcls & more children singing; fair 12/19. (D'Angelo-PA) 0019 in Mayan, guitar mx, M ancw, clear ID; vy good but heavy sweeper QRM. 12/22. (Brouillette-IL)
- 4800 **INDIA AIR** Hyderabad; 1406 YLs in lang, poor 1/3. (Lineback-KS)
- 4800 **LESOTHO LNBS** (T) 0345-0400 W lang talk, orch music, M&W tlk, upbeat mx bridges between items; poss ID at ToHl poor under heavy sweeper 12/31. (Brouillette-IL)
- 4805 **BRAZIL R. Dif. Amazonas** Manaus 1021 M PP TC & anmths 1/19. (Wisblood-TX)
- 4809.99 **MEXICO XERTA** (T); light rel vocals ard 0445, 0530, pops 0600. Never did get an ID; couple SS anmths at the outset, but then the anmths stopped and it was all mx. However, it sounded like their telco-ish signal from the past, and Bob Wilkner rptd an XERTA ID here at 0130 Jan 3. Pretty fadey; strong carrier at times, but mostly fair; and slightly low audio; 1/3. While this stn was dominant, there was another stn on 4810.15 at the same time, but I had to use LSB due to a huge noise blob on the high side, so it was hard to make anything out of the 4810.15 stn. Also, big carrier on 4810.0 1000+ Jan 4, no audio. (Berg-MA)

- 4810 **MEXICO XERTA** 0315-0347 non-stop mix of eclectic music including some leftover Christmas tunes and "Spirit on the Sky." M SS ID & fqy anmts 0334; poor to fair. Also 1030 same programming and another round of "Spirit in the Sky" under poor conditions; 1/3. (D'Angelo-PA)
- 4810 **PERU R. San Martin** Tarapoto (t) 1010 mx, nx, fades; vy weak, 1/2. (Field-PA)
- 4814.99 **ECUADOR R. El Buen Pastor** Saraguro (P); 1010-1100+ variety of LA pops, HC mx, SSP ballads, some rustic vocals; vy little talk; fair 12/7. (Alexander-PA)
- 4820 **INDIA AIR** Kolkata 1233 S/C mx, poor; 1/3. (Lineback-KS)
- 4820 **TIBET Xizang PBS** Lhasa; EE/CC 2338-2355, EE lang lesson covering such things as "stomach, face, forehead, mouth" and "There's another toilet over there." (Yes, really!); piano music bridges; faded by 2355; 12/12. (Brouillette-IL)
- 4824.41 **PERU LV del la Selva** Iquitos 1040-1050 EE pop mx w/SS anmts; 1/14. [Wilkner-S.FL] 4824.42 1015-1035+ booming in w/OA folk mx, ID 1032; ad string, jingles; 12/19. (Alexander-PA)
- 4824.95 **BRAZIL R. Cancao Nova** 0625-0700+ PP rel px w/fire & brimstone preacher, //6105, 9675; 12/14. (Alexander-PA)
- 4830 **VENEZUELA R. Tachira** 2251-2256 M SS ancr w/live emcee style coverage of a local music festival; many ments R.Tachira. Have heard similar programs on this stn in years past; good 12/21. (Brouillette-IL) 2230-2312* SS anmts, IDs, LA mx. SS pops/ballads, tlk; early s/off. strong 12/12. (Alexander-PA)
- 4835 **MALI RTV Maliene** in lang (Bambara?) 2336-0001*, lcl traditional mx; M ancr shouts out "Para Keneh" quite often, at random; talk by same M DJ; ments of "Radio Nationale." 0000 UTC NA by marching band, tx off; vy good; not //4784.4 which is in FR (see above); 12/27. (Brouillette-IL)
- 4840 **INDIA AIR** Mumbai 1402 singing, western rather than S/C style, vy poor 1/3. (Lineback-KS) EE 1257-1300, Hindi mx, W EE ID, Hindi anmnt, back to music; very poor; 12/27. (Brouillette-IL)
- 4844.98 **GUATEMALA R. K'ekchi** 0255-0331* nice lcl ballads, ID 0300; tlk in lcl lang; NA 0330; poor & noisy; irregular. 12/26 (Alexander-PA) 1203 W SS song, M ID 1205 12/31. (Field-PA) 1208 M ments of Coban, lite SS pop ballads fair 12/22. (Brouillette-IL)
- 4845.23 **BRAZIL R. Cultura Ondas Tropicais** *1006-1025+ s/on w/NA; Ids, PP tlk; vy good 12/7. (Alexander-PA)
- 4856.2 **PERU R. La Hora** Cusco 1007 W sing, M ID, fanfare, into ranchoero mx. 1/2. (Field-PA) 1005-1015+ OA folk mx, SS anmts, ID; fair 12/27. (Alexander-PA) 0004-0010 SS nx, field reports by phone, ments of "la capital de la republica peruana"; music bridge, ID: "Desde Cusco en ... kHz onda larga ... R. La Hora ..."; weak 12/13. (Brouillette-IL)
- 4860 **INDIA AIR** Delhi 1230-1237 W EE ID, nx, tlk; P/F 1/7. (D'Angelo-PA) 1230-1235 time pips, W EE nx; // 3365 Delhi VP; 4760 Leh VP; 4920 Chennai VP; 4895 Kurseong VP; 5010 Thiruvananthapuram P. Also 1401 M in presumed Hindi; 1/3. (Lineback-KS)
- 4870 **IRIAN JAYA RRI Wamena** 1300 M II ID, anmts, SCI, Jakarta nx 1/19. (Wiseblood-TX) 4869.9 1325-1336 II, rustic drumming and shouting, W w/ments of Jakarta, more drumming; vy poor & fading fast; 12/27. (Brouillette-IL) 1359 languid island style pops, TP on hour under mx, F/G 1/3. (Lineback-KS)
- 4876.7 **BOLIVIA R. La Cruz del Sur** La Paz 1023 M SS rel tlk, over Andean flute mx; 1/19. (Wiseblood-TX) 0945 M SS ballad, tlk, mx; 1/2. (Field-PA)
- 4880 **INDIA AIR** Lucknow 1358 W in lang, poor 1/3. (Lineback-KS)
- 4885 **BRAZIL R. Clube do Para** Belem 1024 M PP anmts, mentsSao Paolo; 1/19. (Wiseblood-TX)
- 4885 **BRAZIL R. Dif. Acreana** 1000, generally tough because R. Clube do Para dominant, but there's a fighting chance after 1000 as Para weakens a bit and Acreana holds on to 1030-1045. ID, calls & fqys 1005 followed by "Acre Journal," then talk; Acre is near Bolivia; 1/6. (Berg-MA)
- 4890 **PAPUA NEW GUINEA NBC** Port Moresby 1052 popx, Island mx, M in Pidgin/EE reading letters from listeners; 1200 IS & M ancr, Christmas & New Years greetings, 1/2. (Field-PA) 1357 M EE pgm anmts, P/F 1/3. (Lineback-KS) 1304 EE rel songs, M ancr; poor 12/27. (Brouillette-IL)
- 4890 **PAPUA NEW GUINEA NR** 1304 Man in English with World news (Wiseblood-TX 1/19)
- 4894.94 **BRAZIL R. Bare** 0656 ID, fqys, upbeat female vocals; another quick ID 0700, more mx. Rx from this one is always disappointing; signal level is okay, but audio level is below what should be expected--it almost sounds like it is behind another signal but that does not appear to be the case. 1/6. (Berg-MA) 1026 W PP anmts, lite Brazilian vcls, M ancr; 1/19. (Wiseblood-TX)
- 4895 **INDIA AIR** Kurseong 1356 W in lang, poor 1/3. (Lineback-KS) *1128-1140, M ID, Hindi mx, W w/brief talks; fair 1/3. (Barbour-NH) Presumed, in EE songs; poor, fading fast by 1210; 12/12. (Barbour-NH)
- 4901.70 **BOLIVIA R. San Miguel** Riberalta 0958 W SS, ID at ToH; poor mod; rather nice mx; fades; 1/4. (Montgomery-PA) 4901.80 1030-1040 M IDS, 12/30. (Wilkner-FL)


- 4910 **AUSTRALIA ABC** Tennant Creek 1155 M&W in EE, //2310 which is slightly stronger signal; 1/4. (Field-PA) Presumed ABC-Tennant Creek running here, intl and Aussie nx 0930, Aussie sports, ABC ID 0935, ABC pgm promo, into talk and mx pgm through ToH. Pretty decent signal, with CODAR QRM of varying strength. ABC nx again at 1030, item about the Mars lander; and nx at 1130, item on Tony Blair visiting Iraq. Still there at 1230. This was Sunday. 1/4. (Berg-MA)
- 4910 **INDIA AIR** Jaipur 1354 M&W in lang, poor 1/3. (Lineback-KS) 1155-1206, M in talks hampered by random QRM "roar" blasts; brief Hindi chants and M w/presumed ID 1200, then brief mx bits & talk; poor, weak 1/3. (Barbour-NH)
- 4910 **ZAMBIA R. Zambia 1** Lusaka 0249 IS, NA, lcl anmts & mx; nice signal with sweeper QRM as usual, 12/31. (Montgomery-PA) 0327 tribal singing; armchair copy even with CODAR swishing in background; 1/3. (Field-PA) 0243 Fish Eagle IS, drums, vern., fair 1/9. (Howard-CA) 0507 M EE nx, 1/19. (Wisblood-TX)
- 4915 **GHANA GBC** 2350-2400* EE/lang; nx, choral hymn, prayer by M in lang, W EE ID, choral NA and tx off. Very strong but co-channel Brazil and sweeper. Too bad. In the pre-sweeper age this stn was loud and in the clear, and had excellent news reporting; 12/30. (Brouillette-IL)
- 4920 **INDIA AIR** Chennai 1352 M in Lang, poor 1/3. (Lineback-KS)
- 4920 **TIBET CNR Beijing 8** Lhasa 1153 Asian mx, M&W CC tlks, Asian fanfare mx, 1200 M&W anmts over classical mx, no ID; poor 12/31. (Field-PA)
- 4920 **USA WHRI** 1010-1100+ sub-harmonic of 9840; strong w/EE rel pgm; 1/1 & 1/2. (Alexander-PA)
- 4924.9 **BRAZIL R. Educacao Rural de Tefe** 2309-2331 M long PP talk w/ reverb, formal ID w/freqs 2330, mention of Amazonas QTH; poor 12/12. (Brouillette-IL) 4924.94 0958 popped on in mid-ID, andc fqys as 1240 MW and 4975 onda tropicais, then into "Jornal Brasil" nx pgm. UTC-4 TCs one minute fast. Full ID with calls and fqys at 1029. 12/27 (Berg-MA) Me too-same day & time. 74th Brazilian (Paszkievicz-WI) 1027 M PP w/remote bcst, W PP anmts, M w/nx, ments Brazil, ads, jingles; 1/19. (Wisblood-TX)
- 4939.67 **VENEZUELA R. Amazonas** 030-1100+ LA mx, SS IS, anmts; good level but slight distortion; 12/13. (Alexander-PA)
- 4940 **INDIA AIR** Guwahati 1351 S/C mx, poor 1/3. (Lineback-KS)
- 4944.95 **BRAZIL Em. Rural** Petrolina 0823 ad string, several "Emissora Rural" jingle IDs, woman cackling, cows mooing, another quick ID 0829, and starting to go out after that. So-so signal overall; s/on is 0800; no ment. of "Voz do Sao Francisco" that I could hear (but I did not hear opening ID); 1/8. (Berg-MA)
- 4950 **ANGOLA R. Nacional** Luanda 0500 time pips, M PP nx headlines; 1/19. (Wisblood-TX) 0409 Calypso-like mx & singing, Ids; 1/3. (Field-PA) 0406-0419 W PP nx, M reverb anmts, several clear mentions of "R. Nacional de Angola." 0414 tropical mx w/ more of a LAm flavor; vy weak, but clear. 12/31. (Brouillette-IL)
- 4950.11 **PERU R. Madre de Dios** Puerto Maldonado (T) most likely, 1100 to 1115 little audible signal to work with; 1/17. (Wilkner-FL)
- 4959.9 **DOM.REP. R. Cien** SS 2250-2303, merengues w/canned "Cima Sabor Navideño" over music; still sticking with the "Navideno" slogan past Xmas; 2302 full ID; 12/30. (Brouillette-IL)
- 4960 **SAO TOME VOA** Pinheira 0459 M EE cmtry, frequencies, ID; 1/19. (Wisblood-TX)
- 4964.97 **PERU R. Santa Monica** 0940 quick ID amid OA tunes; not very strong; but free from the usual Brazilian QRM for a few minutes until the Brazilian came on, a little late, arnd 0908; 1/4. (Berg-MA)
- 4965 **ZAMBIA R. Christian Voice** 0043 pop Christian mx, EE pgm., Zambia & UK address given; fair-good 12/29. (Howard-CA) (P) 2119 Gospel song, M EE tlks. 1/3. (Field-PA) 0134-0156 EE chatting by a woman, rock vocals, ID and two different mailing addresses by M. W ancr w/"salvation" talk 0143; 0147 greetings to various listeners; fair 1/7. (D'Angelo-PA) 0232 EE song, M ancr ments T-shirt; too weak to ID; 12/12 (Montgomery, PA) 0025 W EE rel tlk, Afro pop tune with nice choral harmony; fair 12/22. (Brouillette-IL)
- 4965.06 **BRAZIL R. Alvorada** (P) the one listed here, pretty decent carrier popped on at 0854 Dec 26, pgm started 0858 with introductory mx and then opening anmt over piano mx; had brief melody same as the Vatican IS, then full ID with fqys but I could not catch stn name as voice audio a little muffled; into ZY mx. Had a UTC-4 TC and another ID at 0908, and still did not get stn name tho I think they did say Parintins, Amazonas (which would be UTC-4). Similar ID at 0945; seems to give canned ID roughly every 15 mins. (Berg-MA)
- 4965v **PERU R. Santa Monica** Cusco 1010-1030+ SS anmts, canned Ids, OA folk mx. Carrier slightly unstable; fair 1/1. (Alexander-PA)
- 4970 **INDIA AIR** Shillong 1139-1149 W ending EE nx re India & Pakistan; mx 1140; military-style band 1145, mx & tlk; poor, unusable by tune-out; 12/1, (Barbour-NH)
- 4976 **UGANDA R. Uganda** 2024-2035 M&W Vernacular, Afropops 2028, tlks w/ID 2032; P/F w/QRN and fades 1/1. (Barbour-NH)

- 4990 **INDIA AIR** Itanagar 1345 S/C mx, fair 1/3. (Lineback-KS) 1111-1122 Hindi mx, W ID 1114, M w/long talk, different M 1122; fair but nasty het which trying to eliminate resulted in reduced audio levels; 12/1. (Barbour-NH)
- 4990 **SURINAME R. Apintie** 0316-0406 M ID, EE lyric Christmas tune then hip hop version of "Santa Claus is Coming to Town." Interesting hearing hip-hop from Suriname. Fair but noisy; 12/21. (D'Angelo-PA) 0112-0149 EE/SS/Dutch, interesting music mix; Xmas Carols, rap and pop music in EE, also festive SS music. Repetitive "Radio Apintie" zinger, in Dutch, with echo vocal effects at 1130. F/P, best in USB; 12/24. (Barbour-NH) 4991 0922 M ID, tlk, mx; armchair copy, best ever! 0924 M&W tlk in papiementu w/mx in back. 1/2. (Field-PA)
- 4990.94 **PERU R. Ancash** 1030-1100+ mostly SS talk, bits of OA folk mx; ad string, jingles; quick ID; poor in noise 12/27. (Alexander-PA)
- 5000 **VENEZUELA YVTO** 2320 about even with WWV, maybe even a little better, voice anmts every minute, 12/31. (Berg-MA)
- 5009.8 **DOM.REP. R. Cristal Int.** 2305-2330 SS sports px, interview of Eddy Ramos of the Dominican Air Force who had just won the Moca to La Vega Marathon. Winter baseball results. Pgm ends 2329 w/ments of both R. Pueblo and "tambien en R. Cristal Internacional por onda corta." Rather weak signal but very readable audio. 12/30. (Brouillette-IL)
- 5010 **INDIA AIR** Thiruvananthapuram 1348 W in lang, fair 1/3. (Lineback-KS) 1212-1226 Hindi mx, W ID, ballad, W in EE 1219 "This is AIR with the news", M w/nx in presumed EE, w/weak audio level. M w/definite Vernacular talks at 1225. Fair 12/1. (Barbour-NH)
- 5010 **MADAGASCAR R. Madagascar** (P); apparently on late for New Years, right through 2300 Dec 31; mx sounded like them. Not very strong, and much Dom. Rep. QRM from 5009.8. (Berg-MA)
- 5015 **BRAZIL R. Pioneira** 0913 unusually good signal for this one; IDs, jingles, ads, promos, UTC-3 TCs, all talk. 12/22. (Berg-MA)
- 5019.9 **SOLOMON IS. SIBC** Honiara 1220-1237 relay of BBCWS EE nx & Newshour; fair 1/12. (D'Angelo-PA) (t) 1232 W BBC nx, ID; 1/2. (Field-PA) 5020, 1244-1348 BBC WS EE, fair fading to poor 1/3. (Lineback-KS)
- 5019.92 **PERU R. Horizonte** hrd at 0405* brief closing anmt and melody; sounded more like "R. Ochente," but Henrik Klemetz explains that this results from running the words "Radio" and "Horizonte" together. Stronger than I have hrd Horizonte in the past. 12/25. (Berg-MA) 5019.93 0030-0133* SS tlk, ID, OA folk mx; rel recitations after 0100; rel mx; off 0133, no NA; fair 12/27. (Alexander-PA) 5020 1134-1155 f/out; OA vocals, flutes, M anc, ID & TC. Poor to fair but fading fast. 1/13. (D'Angelo-PA)
- 5024.92 **PERU R. Quillabamba** not very strong, but clear ID 1005, OA mx. Cuba is slightly higher, 5024.99, and though it QRMs the Peruvian, it is not the powerhouse it used to be. 12/24. (Berg-MA)
- 5025 **AUSTRALIA VL8K** Katherine (P) surprisingly decent signal at 1245, M&W tlk in what seemed like Aussie EE, through ToH with no particular ID. SIBS-5019.9 decent at 1300 with BBC WS nx, NBC-4890 also in. One day only. 1/7. (Berg-MA)
- 5026 **UGANDA R. Uganda** 0347-0421 talk in local language by various men. Local vocals 0357, partial orchestra NA 0400; M ID & nx. Poor with some Rebelde splatter when playing music. 1/7. (D'Angelo-PA)
- 5035 **VIETNAM VOV-4?** 1213-1224 Hmong; ballad at tune-in & W tlk 1215, M joins in, signal gradually fading out w/ballads under unidentified QRM "chatter" around 1220. 1/3. (Barbour-NH)
- 5040 **ECUADOR LV del Napo** 1131-1150, Dec.24, Spanish, Xmas medley, in Spanish, at t/in, YL w/talks followed by same Xmas medley. Fair/poor. (Barbour-NH)
- 5040.6 **BURMA R. Myanmar** 1205-1236 W anc in Burmese w/nice pgm of local vocals and flute music; ID & nx 1230, more mx; P/F, then began to fade. 1/13. (D'Angelo-PA) 1110 fairly weak copy but feel confident this is Myanmar. W long tlk, then mx 1146; talks & mx; tune at 1200 is a give away, as it might have been the IS. Short flute like tune. W anc 1208 very weak now. Difficult copy with heavy tone on same frequency. Faded out 1240. Still going but only occasional audio heard. 12/31. (Montgomery-PA)
- 5045 **BRAZIL R. Cultura do Para** various days as early as 2320 to past 0500; PP, ments of freq., no ID; poor. (M.Field-MI)
- 5050 **TANZANIA R. Tanzania** Dar es Salaam 1954-2018, Dec.25, English/Swahili, Xmas carols, "Feliz Navidad" and "O'Xmas Tree", OM at 1959 w/ weak audio; "Hello.." and presumed ID, drums, pips (4+1) at 2000, OM w/ news of Uganda, Congo and several mentions of Tanzania. Passing mention of Xmas and Radio Tanzania at 2010 followed by more news until 2015, then different OM w/ music and talk. Fair at best, w/ QRN, fades. (Barbour-NH)
- 5054.6 **COSTA RICA R. Faro del Caribe** 0337-0400* SS M w/pgm of inspirational music; ID 0358, s/off anmts. Better tonight than usual, 1/14. (D'Angelo-PA)
- 5384.29 **PERU R. Huarmaca**; 1120 seemingly this w/ M SS tlk & mx, no ID; 1/17. (Wilkner-FL)
- 5470.80 **PERU UNID** 1030-1110 with slow drift in frequency; 1/22-24. (Wilkner-FL)

- 5471.82 **PERU R. San Nicholas** Mendoza (T) 1030-1110, mx w/M om talk over music 1/23, 24. (Wilkner-FL)
- 5500 **ETHIOPIA V. Tigrey Revolution** *0355-0422 IS, M ancw w/echo effect ID in Tigrinya, music segment, opening anmts, nx. Mix of talk and flute music from 0410. Fair with //6350 also fair in usb. 1/24. (D'Angelo-PA) 0457 s/on, better than //6350. 12/31. (Montgomery-PA)
- 5628.15v **PERU R. Cielo** Chiclayo 1110-1135+ 0A mx, Ids; fair level but slight distortion & very unstable. Drifting up from 5628.15 at 1110 tune-in to 5629.1 by 1135. Really on the move. 12/13. (Alexander-PA)
- 5677.95 **PERU R. Ilucan** Cutervo 1120-1140 "...hermanos Peruanos....Radio Ilucan...." blasting in, with 4260.35 signal very subdued, seemingly not parallel. Have 4260.35v with Radio Ilucan ID in past. 1/17. (Wilkner-FL)
- 5775 **"CYPRUS" R. Napa** Cyprus, via 250 kw IRRS xmtr, EE "The World This Week" pgm, location unknown (apparently not Italy), poor 2030; basically a nx prgm, with an item on Hans Blix and WMD. Ended with Bing Crosby's "White Christmas." 12/24. (Berg-MA)
- 5775 **ITALY IRRS** Milano 0034 extremely weak with occ peak above noise floor. W ancw in EE, tentative ID 0052; M&W ancw, more mx; gone at TOH. 1/4. (Montgomery-PA) 2037-2049, Dec.25, English, Not sure if this was via IRRS or some sort of punch-up error. R. Havana Cuba prg. w/ talk of Xmas in Bethlehem and Palestinians, YL w/ "Viewpoint" re Italian media monopoly, railed on Italian PM and GW Bush. Announcer Dan Roberts w/ schedule, encouraged SW listening and micro-powered alternative news sources, gave a web address I could not copy and his personal address for POB 1162, California, 95490. I could not copy the town. I believe I heard mention of "Short wave Report" before 2042 sign-off. I stayed on frequency until 2049 but nothing followed. I haven't checked IRRS schedules yet to see if this was special Xmas or regular prg. Any ideas?? (Barbour-NH)

Company Store

Mike Wolfson KB8TYT • 1842 Mifflin Ave. • Ashland, OH 44805 • mwolfson@bright.net

Hello fellow NASWA members. As promised last month, the NASWA Company Store has a big announcement. **Drum roll please !!!!!!!!!** The Company Store is again offering **t-shirts and sweatshirts**. In addition we will have a supply of **coffee and beer mugs** available...with a catch. The catch is that initially all of these items will only be available at WinterFest. T-shirts and sweatshirts will be available in NASWA blue (light blue for new members) and will have the NASWA logo in white on the left breast. They will be available in the usual sizes. Cost for the t-shirts will be \$12.00. Sweatshirts will be \$20.00. The coffee mugs hold 11 ounces and will be white with the NASWA logo imprinted on 2 sides in NASWA blue. The beer mugs will be clear, 16 ounce capacity and will have "FEST 04" imprinted in NASWA blue on 2 sides. Coffee mugs will be \$5.50 and beer mugs \$8.00. Deadline for orders is **29 February, 2004 for delivery at the Fest** in March. All orders should be sent to me at the address listed in the masthead. To paraphrase someone else, "order early and order often". I'm still working on details for delivering some or all of these things so will not accept orders to be shipped at this time. Finally, I still have copies of the 03 Passport and a copy of the 02 and 03 WRTH available at the special price for anyone interested. Also, the special offer for Skip Arey's book is still available. Until next month.....Mike 

On the Short Waves by Jerry Berg

<www.ontheshortwaves.com> Update, January 15, 2004—Under "Articles, Research, etc.," "Full-Text Articles," "War Across the Airwaves," an interesting newspaper article about the early days of the BBC Monitoring Service, pointed out by Mike Barraclough of the World DX Club.

<www.ontheshortwaves.com> Update, January 24, 2004—Under "Articles, Research, etc.," "Pot Pourri," some photos from vng, the Australian time signal station that was often heard until its close on December 31, 2002, along with a recording of the vng signal. These were received in 1989 from Marion Leiba, head of the vng Users Consortium and chief publicist for the station.

International Band Loggings

Wallace C. Treibel • 357 N.E. 149th Street • Seattle, WA 98155 • nwhikers@msn.com

- 5905 **UKRAINE RUI** Simferopol in EG 0118-0158, tlk on media development and journalism, econ statistics for the Ukraine, fair signal (Brouillette IL 12/31)
- 5975 **ANTIGUA BBC** relay in EG 0000, Auld Lang Syne, 12 Big Ben chimes, Happy New Year greetings from BBC, nx about car bombing in Baghdad (Newbury NE 1/1)
- 5975 **ROMANIA RRI** Bucharest in EG 2210, hrd fairly well under BBC Antigua, ID (Montgomery PA 11/29)
- 5985 **CONGO R Congo** Brazzaville in FR *0430, s/on w/short ancmt, Afro mx, f-g (Alexander PA 1/3)
- 59932v **BRAZIL R Senado** Brasilia in PT 0936, nice ZY vocals, greetings to listeners by name, brief ID's, full ID at 0948 giving fqy as SW 5990 in the 49 mb (Berg MA 1/7)
- 5995 **AUSTRALIA RA** Brandon in EG 1404, ID, nx, f-g, //9590 (Ross ONT 12/21) in EG 1400, Waltzing Matilda IS, Happy New Year greetings, exc (Newbury NE 12/31)
- 6000 **BRAZIL R Guaiba** Porto Alegre in PT 2320, tlk, promos, ID, phone calls (Brouillette IL 12/13)
- 6025 **DOMINICAN REPUBLIC R Amanecer Int** Santo Domingo in SP 2150, relig vocals, ID, fqy, tlk w/mx in background, QRM'd by co-channel Budapest at 2200 (Berg MA 1/1)
- 60799v **BRAZIL R Anhanguera** Goiania in PT 0803, TC, full ID, fqys, nx, QRM at 0810 by Nova de Paz(p) and HCJB carrier s/on at 0825 (Berg MA 12/26)
- 6115 **PERU R Union** Lima in SP 1030-1105+, OA folk mx, NA, ID, ancmts, wobbly sig (Alexander PA 12/6)
- 6125 **CHINA CPBS** Shijiazhuang in CH 2205, long tlks w/mx in back, field rpt, crowd noise (Barbour NH 12/30)
- 61348v **BOLIVIA R Santa Cruz** in SP, Cuban-type mx, ID 0612 (Berg MA 12/28) ED: Only 1 kw. Nice catch.
- 6155 **UNITED KINGDOM R Telefis Eireann** relay via Rampisham in EG 0132-0159*, YL w/loop ancmt that RTE will be leaving air on 12/31 to be replaced by satellite and World Space Radio, offer free radios to Africa listeners upon request (D'Angelo PA 12/24, Barbour NH 12/31)
- 6180 **BRAZIL R Nacional da Amazonia** Brasilia in PT 2231, mellow pop mx, reverb, TC, PSA's, promos, ID's. John Lennon's "So This Is Christmas", vg (Brouillette IL 12/14)
- 6235 **RUSSIA V of Russia** St. Petersburg in EG 2132-2159, continuous Xmas mx, ID 2158, TC, fqy, sked, IS and s/off at 2159, weak w/high noise level (Montgomery PA 1/1)
- 62351v **ALBANIA TWR** relay in Slovakian *0600, relig tlks, s/off 0615* w/TWR IS, f (Alexander PA 1/2)
- 6245nf **RUSSIA R Studio** St. Petersburg in RS 1944-2200*, "independent station" w/RS pop mx and ballads, OM between songs, ID, s/off ancmts 2155, phone #, fqy, p-f (Barbour NH 12/30, D'Angelo PA 12/27)
- 6280 **ISRAEL V of Israel** Tel Aviv in EG 0510, nx items, stock market rpt, wx rpt, headlines, ID, 6 pips at 0515 and then into FR lang, exc signal w/some fades (Montgomery PA 12/31)
- 7125 **GUINEA RTV Guineenne** Conakry in FR 2300-0001*, tlks, Afro pop mx, s/off ancmts and NA at 0000 (Alexander PA 12/31) in FR/Vernaculars *0559-0630, IS, ID, OM chanting and singing in dialect, good selections of W African mx, g (Beatie CA 1/10)
- 7170 **SINGAPORE R Singapore Int** in Tamil 1048, duet at t/in, tlks over mx, ads?, jingles, ID, nx until hams took over fqy at 1102, f-p (Barbour NH 12/24)
- 7185 **BANGLADESH R Bangladesh** Kabirpur in EG 1235, nx, local mx, YL vocalist in Bengali?, ID 1250, s/off 1300, weak to weaker signal (Montgomery PA 12/13) in EG *1227, IS, ID in Bengali, mx (NA?), ID, fqy, and sked in EG, nx re Pakistan, India, and Libya, cmntry?, sub-cont ballads, weak but clear (Barbour 1/3)
- 7205 **SOUTH AFRICA R Ecclesia** in PT 1940-2000*, tlks, ancmts, two ID's, weak (Paszkiwicz WI 12/27)
- 7210 **VIETNAM V of Vietnam** Hanoi in VT 1054, tlks, pips, ID 1100, tlk over fanfare, OM and YL w/nx and field reports, poor signal, //9530 fair (Barbour NH 12/20)
- 72103 **BENIN R Dif du Benin** Cotonou in FR 2225-2302*, Afr folk mx, s/off w/NA, ham QRM (Alexander 12/31)
- 7225 **TUNISIA RTV Tunisienne** Sfax in AR 1920, lively AR mx, S-8 signal, //7190, 9720 (Muehling NH 1/10)
- 7245 **MAURITANIA ORTM** Nouakchott in AR/FR *0758, IS, short ancmt, into Koran, g (Alexander PA 1/3)
- 7255 **MOROCCO VOA** relay in EG 0112, "VOA News Now", //5995, 9455, 6130 (Ross ONT 12/29)
- 7270 **INDIA AIR** Chennai in Tamil 1155, tlks, ID 1200, Hindu mx, s/off ancmts 1213, f (Barbour NH 12/24)
- 7295 **MALAYSIA RTM Radio 4** Kajang in EG 1211-1236, noted YL vocalist at t/in, rock mx, US rx, Radio 4 ID call-in phone #s, caller requests, fair signal w/some ham QRM and rapid fades (Montgomery PA 12/14)
- 7325 **AUSTRIA RAI** Vienna in EG 0120, holiday events, Mozart piano, cathedral bells followed by Blue Danube IS, f, //9870 (Newbury NE 1/1)
- 9425 **INDIA AIR** Bangalore in EG 0133, sub-continental mx, f, //9470 Aligarh (Howard CA 1/9)

- 9495 **CANADA R Sweden** relay via Sackville in EG 0355, review of 2003 in Sweden, "From all of us at Radio Sweden, a Happy New Year in 2004", exc (Newbury NE 1/1)
- 95614 **ETHIOPIA R Ethiopia** Addis Ababa in EG *1600-1630, IS, ID, brief nx update, OM tlk re beautiful city, into dedications w/pop songs, additional nx update 1630 (Beattie CA 1/4)
- 9580 **GABON Afrique Numero Un** Moyabi in FR 1845, OM ancw w/lively Afro mx, ID, vg (Muehling NH 1/10)
- 9580 **AUSTRALIA R Australia** in EG 1300, Aussie PM says '03 ended on positive note, massive fireworks display in Sydney, New Years greetings, exc (Newbury NE 12/31)
- 9630 **SEYCHELLES BBC** relay in EG 2030, ID, "Newshour" feature, fair signal (Ross ONT 12/21)
- 9705 **MEXICO R Mexico Int** in SP 2305-2350+, talks, ballads, ID's, strong signal (Alexander PA 1/1)
- 9765 **VATICAN STATE V of Russia** relay in EG 0203, Putin w/best wishes to all Russian households, Bolshoi to do Shostakovich in Paris on Orthodox Christmas, g (Newbury NE 1/1)
- 11615 **NORWAY R Denmark** relay in DN * 1230, presumed farewell bcst, ID, many interviews, sound bites, and recorded tlks, occasional fanfare/orchestral mx between interviews, IS and off 1255 (Barbour NH 12/25)
- 11715 **FRANCER Jamahiriyah** (Libya) relay in AR 1910, OM ancw r/group chant, p, //11635 (Muehling NH 1/10)
- 11730 **NETHERLANDS ANTILLES R Vlaanderen** relay via Bonaire in EG 2210, nx of year in review, Belgium providing arms to Nepali fighting rebels, song, s/off 2257, exc (Newbury NE 12/31)
- 11765 **SOUTH AFRICA BBC** relay in EG 0419, tlk re Czech and Slovak Republics since split (Ross ONT 12/21)
- 11815 **BRAZIL R Brazil Central** in PT 0115, US pops incl Abba's Dancing Queen, //4985 (Alexander PA 12/20)
- 11915 **SAUDI ARABIA BSKSA** Riyadh in AR 2245, Koran readings, ID, nx heads, bad het (Brouillette IL 12/22)
- 12025 **ASCENSION ISLAND R Ibrahim** relay in AR 2155, tlks, several ID's giving Spain postal addr & website, dramatization w/family arguing, listed in WRTH as Monday only (Brouillette IL 12/22)
- 12065 **RUSSIA VOA** relay via Petropavlovsk in KR 2143, field rpts, bits of EG translated into KR, "Panorama" feature, ID, website info, f (Brouillette IL 12/22)
- 12070 **UZBEKISTAN R Nederlands** relay via Tashkent in EG 1424, prevue of week's pgms, p (Ross ONT 12/21)
- 13865 **ICELAND Iceland R Reykjavik** in IC 1419, ID, all talk pgm, QRM sounded like ocean waves splashing on the beach, deep fades, ment Reykjavik, audio very good during QRM low points (Montgomery PA 1/4-)
- 15120 **NIGERIA V of Nigeria** Ikorodu in Vernacular 1917, continuous Afro pops, // 9690 (Barbour NH 12/5)
- 15150 **INDONESIA V of Indonesia** Jakarta in EG 1958, ID, nx re envoy to No Korea and 6 nation meeting, pgm re HIV/AIDS, feature on "Getting to Know Indonesia", fair w/poor audio quality (Barbour NH 12/3)
- 15315 **NETHERLANDS ANTILLES R Nederland** via Bonaire relay in EG 1930, TC, 3 pips, ID, world nx, wx rpt for the Netherlands, "Wide Angle" //17725, 17810, 17875, 11655 (Ross ONT 12/28) Xmsn weekends only.
- 15340 **NEW ZEALAND RNZI** in EG 0405, sports results followed by weather report, g (Ross ONT 12/30)
- 15485 **UNITED KINGDOM BBC** Skelton in EG 1312, "Inside Russia" pgm featuring interviews w/Russian and Tatar speaking people (Ross ONT 12/30)
- 21455 **USA WYFR Family Radio** in EG 1704, relig sermon, Harold Camping & "Open Forum" (Pace IA 12/27)
- 21490 **SOUTH AFRICA BBC** relay in EG 1505, "Focus on Africa" feature, fair sig (Ross ONT 1/2)

Clandestine, Tentative, Presumed, or Unknown

- 6105 **COSTA RICA(p) R Universidad San Jose(t)** in SP 0445-0532, long segments of Latin American mx with occasional ancmts by OM, p-f with adjacent channel QRM (D'Angelo PA 1/4) in SP 1115, brief ID ending in "R Universidad", mostly light romantic vocals, no ID at 1200, QRM and noise, f/o 1230 (Berg MA 1/4)
- 6185 **UNIDENTIFIED Hindi** mx at 1227, singing over tabla drums and droning strings, fair sig but wiped out by electrical QRM at 1230 (Brouillette IL 12/22)
- 6985 **CLANDESTINE V of New Sudan** (t) in AR 0453, s/on w/YL comments, very weak and IS tentative, freq't fades w/no audio and then back but carrier S-5 above noise floor (Montgomery PA 12/31)
- 13710 **INDIA(p) AJR Bangalore(p)** in Telugu? 1220, OM singing w/HD mx, singing stops and resumes 10 seconds later, sitar and tabla, tlks in language (Field PA 12/31)
- 15050 **INDIA(p) AIR Delhi(p)** in Sinhala? 1405, local mx in language, ID(p), too weak to get positive ID, rapid fades at S-6 level (Montgomery PA 1/4)
- 15435 **PHILIPPINES(p) FEBC(p)** in Shan? 0045, talk in language w/Asian choral mx (Paszkwicz WI 12/28)
- 15530 **CLANDESTINE Sudan Radio Service** relay via UK Skelton? EG/Vernaculars 1500, s/on ancmts in EG at 1500 w/Sudan Radio Service ID's, Nairobi addr, E-mail site, said pgms were developed in Kenya and xmtrs were in the UK, sked as M-F only, into unidentified lang 1505, Afro mx, EG nx, g (Alexander PA 1/2) in Vernaculars 1631, interview, ment Sudan, ID, fgy, Horn of Africa jingle, tlks, mx, f (Barbour NH 12/24)

WELCOME TO THE FOLLOWING NEW MEMBERS

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WILEY G. HARRIS, Lexington Park, MD
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PAUL DINGWELL, Sierra Madre, CA
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WANTED: Seeking issues of FRENDX and SPEEDX from January through December 1983. Terry Klasek, 7449 Hazelcrest Drive, Hazelwood, MO 63042-2201. Phone (314) 839-5743 or e-mail evharber@msn.com.

WANTED: I am looking for a Sony ICF-SW-55 receiver. Rather than go through Ebay, I'd rather deal direct. If you have this receiver for sale at a reasonable price, please contact Dave McLaren, 1904 1st Avenue #40, Rock Falls, IL 61071 or call (815) 625-3700 and ask for Room #40.

WANTED: Form letter or any information for writing Indonesian language reception reports. Copy or original. Please state price. Thanks! Paul Brouillette, 611 Illinois Street, Geneva, IL 60134. Phone (630) 208-5406.

FOR SALE: AOR 7030 with noise blanker and notch filter installed by Universal Radio. In excellent condition. Asking \$800.00. John Gramarossa, 4101 Meadowlark Lane #144, Rio Rancho, NM 87124. Phone (505) 891-1565 between 0000 and 0400 UTC.

**WORLD OF RADIO, CONTINENT OF MEDIA, MUNDO RADIAL
BROADCAST SCHEDULE EFFECTIVE JANUARY 29, 2004**

Note: RFPI was forced off the air November 5. It may be six to twelve months before it can resume from a new location in the 6 MHz area. Webcasting may start earlier. We look forward to resuming broadcasts via Radio for Peace International!

For latest updates see our Anomaly Alert page:
<http://www.worldofradio.com/anomaly.html>

WORLD OF RADIO BY TELEPHONE: usually available from Sunday mornings via Laser Box, 1-206-333-5096. Toll charges apply outside Seattle.

Days and times here are strictly UT.

Wed 2300 WOR WBCQ 7415 17495-CUSB [first airing of each edition]
Thu 2130 WOR WWCR 9475 [15825 from March]
Fri 2215 MR WWCR 9475 [or as early as 2210; 15825 from March]
Sat 0000 WOR Studio X, Momigno, Italy 1584 87.35 96.55 105.55
Sat 0900 WOR WRN1 to Eu, Au, NZ, WorldSpace AfriStar, AsiaStar, Telstar 12 SAM
Sat 0955 WOR WNQM Nashville TN 1300
Sat 1130 WOR WWCR 5070
Sat 1900 WOR IBC Radio webcast <http://www.ibcradio.com/CMN.htm> [maybe]
Sat 1928 WOR WPKN Bridgeport CT 89.5, webcast <http://www.wpkn.org>
Sat 2130 WOR WWCR 12160
Sat 2130 WOR WBCQ 17495-CUSB
Sun 0130 WOR WBCQ 9330-CLSB
Sun 0330 WOR WWCR 5070
Sun 0730 WOR WWCR 3210
Sun 1100 WOR WRN1 to North America, also WLIO-TV Lima OH SAP
Sun 1600 WOR IBC Radio webcast <http://www.ibcradio.com/CMN.htm> [maybe]
Sun 2000 WOR Studio X, Momigno, Italy 1584 87.35 96.55 105.55
Mon 0430 WOR WSUI Iowa City IA 910 [week delay, webcast] <http://wsui.uiowa.edu>
Mon 0515 WOR WBCQ 7415
Tue 0400 WOR SIUE WEBRADIO <http://www.siue.edu/WEBRADIO/> [maybe]
[may be delayed 24h when Mon is holiday]
Tue 0430 COM SIUE WEBRADIO <http://www.siue.edu/WEBRADIO/> [maybe]
Tue 0430 MR SIUE WEBRADIO <http://www.siue.edu/WEBRADIO/> [maybe]
[COM and MR alternating; may be delayed 24h when Mon is holiday]
Tue 2230 MR WWCR 9475 [15825 from March]
Wed 1030 WOR WWCR 9475
Wed 2200 MR WWCR 9475 [15825 from March]

Latest edition of this schedule version is at:
<http://www.worldofradio.com/radioskd.html>

An expanded schedule also showing local times:
<http://www.worldofradio.com/wormast.html>

Internet on demand: see Our Current Audio page for availability:
<http://www.worldofradio.com/audiomid.html>

Webcasts at times shown are available from all stations except WWCR, WNQM, Studio X, WBCQ-9330.

WRN: <http://live.wrn.org:8080/ramgen/live/wrnengnaeu.smi>
or <http://live.wrn.org:8080/ramgen/live/wrnengnaus.smi>

Good listening, Glenn

17th Annual Winter SWL Fest

Sponsored by **NASWA**

March 12-13, 2004

Best Western—The Inn at Towamencin

(formerly Holiday Inn),

Sumneytown Pike, Kulpsville, Penna.

Plan to attend your favorite forums Friday and Saturday. Enjoy meeting with your friends in the Hospitality Room. Bring radio related items for the swap meet or to donate for the Silent Auction. Check out your friends' receivers, bring one of your own for others to try!

No frills; just shortwave, longwave, mediumwave, pirates, and scanning. Once again you will enjoy the camaraderie of your hobby friends.

Please note, there is an incentive for you to pre-register, as prices are more expensive for those who wait. Registration options are also more flexible than in the past, with new one-day and student registrations. **If you wish to participate in the meals, you must register and inform us that you will be attending by Thursday morning, March 11th.** If you choose not to participate in the meals, the hotel has a restaurant, and there are other restaurants nearby.

Your registration must be received by March 1, 2004 (note the earlier date) for the best prices; registrations received after that date are priced higher. See the registration form below.

Many things, like the raffle, remain the same:

GRAND PRIZE To be announced

SPECIAL Register early to win a SW portable! One free entry for an early-bird registration received by February 15, 2004.

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

Checks should be made payable to WINTER SWL FEST. Register directly with the hotel for your rooms by calling the Best Western at (215) 368-3800. For 2004, one special rate \$75 single or double! Tell the hotel staff you're with the WINTER SWL FEST to receive this special room rate. *You must make your reservation directly with the hotel to receive this rate; reservations via the Best Western 800 number or web site are not eligible for this rate.* Up to the minute info. can be found on the Winter SWL Fest Web Page at <http://www.swlfest.com/> or from <http://www.anarc.org/naswa/>.

The Best Western—The Inn at Towamencin is located at Exit 31 of the PA Turnpike Northeast Extension-Lansdale Interchange. Improved access from the south with the Blue Route (I-476)—ask for details. Limo service is available from Phila. Ind Airport directly to the hotel.

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

SWL WINTERPEST
P.O. Box 4153
Clifton Park, NY 12065

NAME: _____ (SPOUSE'S NAME) _____

ADDRESS: _____

CITY: _____ E-MAIL: _____ (REQ. FOR REG. CONFIRMATION)

CHECK ONE OR MORE

REGISTRATION RECEIVED BY MARCH 1, 2004:	LATE OR ON-SITE REGISTRATION RECEIVED AFTER MARCH 1, 2004:	BANQUET:
<input type="checkbox"/> Full (\$47)	<input type="checkbox"/> Full (\$55)	<input type="checkbox"/> Roast Beef
<input type="checkbox"/> Two-Day Partial (\$17)	<input type="checkbox"/> Two-Day Partial (\$20)	<input type="checkbox"/> Chicken
<input type="checkbox"/> One-Day Partial (\$9)	<input type="checkbox"/> One-Day Partial (\$10)	RAFFLE TICKETS:
<input type="checkbox"/> <i>New!</i> Lunch-only Saturday (\$23)	<input type="checkbox"/> One-Day Partial w/Lunch (\$25)	<input type="checkbox"/> raffle tickets, please
<input type="checkbox"/> <i>New!</i> Spouse Lunch-only Sat (\$13)	<input type="checkbox"/> Full Spouse/son/daughter (\$40)	(\$1 ea./ 6 for \$5/ 13 for \$10)
<input type="checkbox"/> Full Spouse / etc. (\$32)	<input type="checkbox"/> Banquet only (Spouse) (\$25)	Registration Fee Enclosed \$ _____
<input type="checkbox"/> Banquet only (Spouse) (\$19)	<input type="checkbox"/> Spouse etc. Lunch-only (\$15)	Raffle Tickets Fee Enclosed \$ _____
<input type="checkbox"/> Student (\$5)	<input type="checkbox"/> Student (\$5)	Total Check/Money Order \$ _____

Registration cancellations after 2/28/2004 cannot be refunded, however we will refund raffle ticket money if you have to cancel.


Company Store

Mike Wolfson KB8TYT • 1842 Mifflin Ave. • Ashland, OH 44805 • mwolfson@bright.net

The following items are available through the Company Store. Shipping is extra as noted.

Publications

Shortwave Listening Guidebook by Harry Helms. A beginners guide to shortwave listening covering equipment, antennas, propagation, station profiles, utility stations, clandestines and QSLing. 315 pages.	\$19.95 +2.00 s/h US/CA +3.00 s/h world
Underground Frequency Guide by Donald Schimmel. An in-depth look at illegal radio communications, pirates, spies and more. Extensive frequency list. A must have for pirate and clanny fans.	\$11.00 +2.00 s/h NAM +3.00 s/h world
Joe Carr's Receiving Antenna Handbook A complete guide to high performance receiving antennas from long-wave to the upper end of the HF band by one of the acknowledged experts in antenna theory and design.	\$19.95 +2.00 s/h US/CA +3.00 s/h world
Joe Carr's Loop Antenna Handbook Comprehensive but readable guide to understanding and building loop antennas for LW, MW, SW, and VHF. Includes many diagrams.	\$16.50 +2.00 s/h US/CA +3.00 s/h world
Shortwave Receivers, Past & Present by Fred Osterman. A very comprehensive must have book for anyone interested in buying or collecting shortwave radios covering over 770 different models. Includes amateur and commercial receiver produced in the last 55 years. Over 800 photos. 473 pages.	\$21.00 +2.00 s/h US/CA +3.00 s/h world
Communications Receivers: The Vacuum Tube Era 1932-1981 (4th Edition) by Ray Moore. Covers the golden age of vacuum tube receivers. If you think "real radios glow in the dark" you'll enjoy this book. 141 pages.	\$17.00 +2.00 s/h US/CA +3.00 s/h world
Farrell's Confidential Frequency List (12th Edition) Compiled by Kevin Nice. A definitive source of information about frequencies, callsigns and related information for the dedicated ute listener interested in signals from 2-30 MHz. 512 pages!!	\$24.50 +4.00 s/h NAM +8.00 air world
Passport to Worldband Radio 2004 Considered by many to be a great source of information about shortwave stations for new or experienced listeners, frequencies in use and schedules.	\$20.95 +4.00 s/h NAM +8.00 air world
World Radio and TV Handbook 2004 Long considered to be the bible for shortwave listeners. Newly revised and updated for 2003. Includes contributions by Anker Peterson, Paul Ormandy, Victor Goonetilleke, Jose Jacob, Dario Monferini and many others.	\$27.95 +4.00 s/h NAM +8.00 air world
NASWA Country List and Awards Program Booklet	\$3.00 PP US/CA \$5.25 elsewhere

Please make all checks payable in U.S. funds to "The NASWA Company Store". If you want to place an order, I'll be able to fill it for you. That's it for now. Have a good month. 

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