



# the Milliwatt



The award-winning monthly publication of  
The Baltimore Radio Amateur Television Society  
P.O.Box 5915 Baltimore, MD 21282-5915

## November, 2008

### Singapore to Make Temporary Licenses Available for Visiting Hams

On Thursday, October 9, the Singapore Amateur Radio Transmitting Society ([SARTS](#)) -- that country's [IARU](#) Member-Society -- announced that the Infocommunications Development Authority ([IDA](#)) would begin issuing temporary Amateur Radio licenses for visiting hams; the IDA is the agency responsible for Amateur Radio licenses in Singapore. According to SARTS Vice President Peter Cook, 9V1PC, visiting hams should apply three weeks before arriving in Singapore. The license, typically valid for a three month period at a cost of 50 Singapore dollars (or \$25 for VHF/UHF-only operation), would use the call sign 9V1/home call (for example, 9V1/K1SFA). "The Singapore administration's accommodation of visiting radio amateurs will be greatly appreciated by many who visit and pass through this busy city-state," said IARU Secretary David Sumner, K1ZZ. "Congratulations to the Singapore Amateur Radio Transmitting Society for achieving this long-sought objective." Check the IDA Web site for the [application process and necessary forms](#).

### PENNSYLVANIA GUARANTEES YOUR ERECTION!

#### Pennsylvania Becomes 27th State with PRB-1 Law on Books

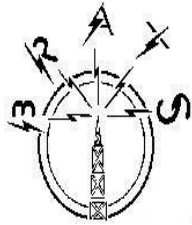
On Wednesday, October 8, Pennsylvania Governor Edward G. Rendell (D) signed into law a bill that guarantees radio amateurs the right to erect antenna support structures up to 65 feet without the need for a Special Use Permit. The bill passed in the House with a vote of 196-1; it passed in the Senate with a vote of 49-1. The new law is scheduled to go into effect December 8, 60 days after signing.

### American Hams to Lead 2009 DXpedition to Desecheo Island

The US Fish and Wildlife Service ([FWS](#)) has selected a group of hams led by veteran DXpeditioners Bob Allphin, K4UEE, and Glenn Johnson, W0GJ, to [lead a DXpedition to Desecheo Island](#), KP5 ([IOTA NA-095](#)), in early 2009. Desecheo currently sits at number 7 on [DX Magazine's](#) Most Wanted list.

### E-mails Asking for Personal Information Are Not from ARRL

We have received several reports from ARRL members with arrl.net e-mail accounts who have recently been contacted via e-mail asking for personal information, such as user names and passwords. Please be assured that these e-mails are fraudulent attempts at "[phishing](#)" and did not originate from ARRL. According to ARRL Information Technology Manager Don Durand, "This is a very crude attempt at phishing, using an easily determined spoof of the originating/return address. There is never a time when we would ask via mass e-mail for user names and passwords of **arrrl.net** users. There is simply no need to ever do so." If you receive an e-mail asking for personal information and it looks like it originated from ARRL, please do not respond, just delete it.



# the Milliwatt

The award-winning monthly publication of The BRATS.

Items herein may be reprinted with credit.

Mayer D. Zimmerman, W3GXX, Editor

## Some Thoughts

This month we include at least 3 separate items on books that are available to amateurs. The ARRL has its new Handbook for Radio Communications. The ARRL also has a book on the golden age of amateur radio technology. The IARU has a booklet that promotes ethics and good operating. It seems to be a very full seasons of good fall reading. Enjoy!

73, Mayer, W3GXX

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## The Baltimore Radio Amateur TV Society, Inc. P.O. Box 5915 Baltimore, MD 21282-5915

a non-profit organization under section 501(c)(3) of the Internal Revenue Code and a non-profit corporation in the State of Maryland. We belong to and support the Foundation for Amateur Radio (FAR) and the American Radio Relay League (ARRL).

home page: <http://www.bratsatv.org>

e-mail: [brats@bratsatv.org](mailto:brats@bratsatv.org)

InfoLine: 410- 461-1212

Meetings: 3rd Tuesday, 7:15 PM, Pikesville Library, 1301 Reisterstown Rd., Pikesville, MD.

President: Ed Rosen, N3GXH

Vice Pres: Edward Koritzer, N3DGY

Secretary: Mayer D. Zimmerman, W3GXX

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Vice Chairman, Technical: Mike Dees, N3EZD

Vice Chairman, Operations: Ian Millet, N3CVA

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## BRATS Repeaters

### BRATS Linked Repeater System:

WB3DZO: 147.03+, 224.96-, 448.325-

### BRATS Stand-alone repeaters:

443.350+

### BRATS Packet Network Nodes

W3GXT-5 145.05

W3GXT-10 224.52

### BRATS ATV Repeater System:

W3WCQ: inputs: 426.25, 1253.25

outputs: 439.25, 911.25

## BRATS Weekly Nets

Mon 9 pm Traffic and Info Net, W3GXX

Tues 11:45 Informal ATV Net, W3WVV

Tues 9 pm BRATS Horsetraders Net, Grant, KA3CEA

Wed 9 pm CATS ATV Net

Thurs 9 pm BRATS ATV Net

Sat 1 pm Weekly News Bulletin, W3GXX

Sat 1:20 The BRATS Answer Men: KB3JQQ

Sun 8 pm MATS ATV Net

As needed Weather/Emergency Net, Skywarn

## BRATS Board of Directors

### Through 12/09:

KA3IDB, KB3FIF, K0RYX

### Through 12/08:

W3ZQI, KB3LJM, K2GZY

## Regular BRATS Meetings

3rd Tuesday of each month, 7:15 PM

Pikesville Library, 1301 Reisterstown Rd

## Next BRATS Meeting

Tuesday, November 18, 7:15 PM

Pikesville Library

1301 Reisterstown Road, Pikesville

**Book on Amateur Radio's "Golden Age" Now Available from ARRL**

Many consider 1930 to 1980 as the "golden age" of American radio technology. A time of extraordinary innovation driven by pioneering engineers and entrepreneurs, this 50 year span saw the introduction of rigs that would become famous throughout the world. The newest addition to the ARRL Library, *50 Years of Amateur Radio Innovation -- Transmitters, Receivers and Transceivers: 1930-1980*, highlights these treasured favorites in a way that has never been seen before.

**FCC Responds to ARRL Petition Against Experimental License using 40 Meter Band**

On Monday, October 20, the ARRL filed a "Petition for Modification or Cancellation of Experimental Authorization" (Petition) with the FCC with respect to WE2XRH. According to the FCC, this experimental license -- issued to Digital Aurora Radio Technologies (DART) -- proposes to "test digital transmissions in 4.50-5.10 MHz, 7.10-7.60 MHz and 9.25-9.95 MHz for a terrestrial digital radio service to the citizens of Alaska." The League's protest was prompted by the certainty that high-power operation in the frequency range 7.10 to 7.30 MHz would cause unacceptable and harmful interference to the Amateur Radio Service in this part of the 40-meter band, which is an exclusive amateur allocation in ITU Region 2 (North and South America).

On October 24, the FCC responded by issuing an amended license that redefined one of the station's frequency ranges to eliminate conflict with the Amateur Radio Service. The amended license narrows the range to 7.30 to 7.60 MHz and gives as the reason for the change, "operation in the band 7.1-7.3 MHz will cause harmful interference to Amateur Radio Service licensees."

"We are delighted that the FCC acted so promptly to correct this error and are pleased that the matter has been resolved," said ARRL CEO David Sumner, K1ZZ.

WE2XRH will be using a 20 kHz bandwidth digital emission at a transmitter output power of 100 kW and an ERP of 660 kW within a radius of 1500 kilometers of Delta Junction, Alaska. According to the amended license, the transmissions will take place in the frequency ranges 4.4 to 5.1 MHz, 7.3 to 7.6 MHz and 9.25 to 9.95 MHz.

**Surfin': Going ATV Digitally**

By Stan Horzepa, WA1LOU

Contributing Editor

October 03, 2008

*This week's Surfin' considers Web sites where Amateur Television (ATV) is going digital.*

Surfin' Screenshot 2008 October 03 What Exactly Is 8-Vsb Anyway? answers many of your questions concerning digital television. If you watched television during the past months, you could not miss the barrage of announcements concerning the switch from analog to digital broadcasting over the airwaves that will occur next year on February 17. If you use an analog television to receive broadcast signals over the air and not from a satellite, cable, or telephone company, then you will need a converter to receive broadcasts after Presidents' Day 2009.

David Sparano has written an excellent article, "What Exactly Is 8-Vsb Anyway?", that according to Nick Sayer, N6QQQ, has the best and most accessible description of 8VSB (8-level vestigial sideband modulation) that he has ever found.

Nick is working on setting up an 8VSB transmitter. His goal is to get as close to an ATSC (Advanced Television Systems Committee)-compatible ATV station as he can get. He recommends the article to anyone who wants to get started in digital ATV.

By the way, Nick has a Web page and a blog where you can read about his adventures in ATV.

Another by the way -- if you search the Internet for digital ATV information, you will find European Web sites dedicated to the topic, but note that Europeans use DVB (Digital Video Broadcasting) Standards that North American television receivers cannot demodulate.

Until next time, keep on surfin'!

## World's biggest spam operator shut down

The world's largest spam e-mail operator has been silenced.

Federal authorities say they've shut down HerbalKing, a global spam gang responsible for billions of spam messages promoting prescription drugs, male-enhancement pills and diet pills. On Tuesday, a federal court in Chicago, acting on a complaint from the Federal Trade Commission, ordered a halt to its operations, pending trial. A federal judge said HerbalKing engaged in spamming and deceptive marketing.

Some anti-spam organizations, such as The Spamhaus Project, estimate up to one-third of the world's spam e-mail came from the group during its heyday this year and last.

According to papers filed in federal court, Lance Atkinson, 26, who lives in Australia, and Jody Smith of Texas oversaw a vast international operation under four companies they controlled: Inet Ventures, Tango Pay, Click Fusion and TwoBucks Trading.

The FTC alleges Atkinson and Smith are liable for spamming and all claims they have made about their advertised products. Atkinson allegedly hired spammers from around the world and provided them with text and hyperlinks to websites for his companies. The spammers were paid by commission, the FTC says.

The unwanted commercial e-mail promoting the websites was relayed via thousands of compromised PCs, often referred to as a botnet.

The spam gang included participants in the U.S., Australia, New Zealand, China, India, Russia and Canada, according to the FTC.

In June 2005, the FTC won a \$2.2 million judgment against Atkinson and another business partner for running a similar spam affiliate program that marketed herbal products.

The shutdown isn't likely, however, to ease the crush of spam, says Paul Ferguson, an advanced threat researcher at computer-security vendor Trend Micro. Someone else will fill the void, Ferguson says. While it's great they caught these guys, the last time a major spam king was busted, the spam increased.

The FTC says authorities closed the operation by working for months with law-enforcement authorities in Australia and New Zealand, and FBI offices in Chicago and St. Louis, says Steve Baker, director of the Midwest region for the FTC.

The FTC received more than 3 million consumer complaints about the group's spam messages in the last several months, Baker says.

## ***The ARRL Handbook for Radio Communications -- 2009 (Eighty-Sixth Edition) Now Available***

The 2009 *ARRL Handbook for Radio Communications* uniquely serves both amateur experimenters and industry practitioners, emphasizing connections between basic theory and application. The *ARRL Handbook* is simply the standard in applied electronics and communications. This 86th edition is both a useful introduction to radio communication and features the most current material on electronics and Amateur Radio.

Topics in the 2009 edition include :

- Principles of Electronics -- including basic theory, components, analog and digital circuit construction.
- Radio Communications Fundamentals and Design -- including modes and systems, filters, EMI, digital signal processing and software radio design, and RF power amplifiers.
- Real-World Applications and Operating -- including practical projects, station setup, antennas, transmission lines, and methods for testing and troubleshooting.
- References -- filled with hundreds of detailed tables, illustrations and photos.
- And much more!

The *Handbook* is filled with valuable references, practical examples and projects. The CD-ROM at the back of the book includes all of the fully searchable text and illustrations in the printed book, as well as companion software, PC board templates and other support files.

Revisions to the 2009 *Handbook* include updated material on amateur satellites, including details for today's fleet of operational satellites, as well as updated versions of accessory software on the CD-ROM included with the book.

New projects in the 86th edition include:

- RockMite QRP CW transceiver -- now expanded to cover 80, 40, 30 or 20 meters.
- Audio Interface for Field Day or Contesting -- audio and mic connections for two operators sharing a radio.
- Remote Power Controller -- turn high current devices off and on.
- Audible Antenna Bridge -- tune for the lowest SWR by ear.
- and more!

The softcover edition of the *Handbook* sells for \$44.95; the hardcover sells for \$59.95. Both editions are available now.

**WA7BNM Contest Calendar**

- Nov. 1-2  
Ukrainian DX Contest
- Nov. 1-3  
ARRL Sweepstakes, CW
- Nov. 2  
High Speed CW Contest  
DARC 10-Meter Digital
- Nov. 8-9  
WAE DX Contest, RTTY  
JIDX Phone Contest  
OK/OM DX Contest, CW
- Nov 15-16  
SARL Field Day Contest  
All-Austrian 160 Meter C.
- Nov 15-17  
ARRL Sweepstakes, SSB
- Nov. 21  
YO Int 1 PSK31 Contest
- Nov 22-23  
LZ DX Contest
- Nov 29-30  
CQ WW DX Contest, CW
- Dec. 5-7  
ARRL 160-Meter Contest
- Dec 13-14  
ARRL 10-Meter Contest

(Thanks, Bruce, WA7BNM)

&nbsp;

**ARRL DX Bulletin****SEYCHELLES, S7.**

Operators Iwa, JA0UH and Tohru, JA0UMV will operate from Praslin Island (AF-024), from November 9 to 14. Iwa will sign S79UH and Tohru will sign S79MV. They hope to operate on 160 through 10 meters using SSB and CW. They will not be active on RTTY. QSL via their home call signs, direct or via the JARL Bureau.

**CAMBODIA, XU.**

Operators JA3AVO, JH3PBL, JA3ARJ and JA3UJR will be active as XU7AVO, XU7PBL, XU7ARJ and XU7UJR, respectively, from Sihanoukville between November 6 and 11.

**LEBANON, OD.**

Sylvain, OD5/F5TLN, will be active until February 2009. He will work mostly on SSB but also some CW on all HF bands. Sylvain will confirm the QSOs after his return home.

**ANGOLA, D2.**

Vasily, UA0QMN is QRV as D2QMN from Vila Catoca in the Lunda Sul province. Activity is on 40 to 10 meters using CW, SSB, RTTY and PSK. QSL via RZ3EC.

**SEYCHELLES, S7.**

Tom is QRV as S79TF and has been active on 30 meters around 1800z. QSL via DJ6TF.

**AUSTRALIA, VK.**

Tad, VK2LNX and Suzanne, VK2FSNJ are QRV for six months from Maatsuyker Island, IOTA OC-233, located off the coast of Tasmania. They are volunteer caretakers at the lighthouse here. QSL to home calls.

**Spectrum Defense: "More Work to Do"**

Defending and enhancing access to the Amateur Radio spectrum is the primary mission of the ARRL. According to ARRL Chief Executive Officer David Sumner, K1ZZ, the League has not only protected the bands, but has also added several new ones, despite exponential growth in the variety and number of radio frequency devices in the hands of consumers and businesses. "Even our most disappointing defeat -- the loss of the bottom 40 percent of the 220 MHz band some two decades ago -- gave us upgraded status, from shared to exclusive, in the remaining 60 percent of the band," he said.

**IARU-Endorsed Booklet Promoting Ethics, Operating issues, Now Available!**

A 67-page booklet, *Ethics and Operating Procedures for the Radio Amateur* by John Devoldere, ON4UN, and Mark Demeuleneere, ON4WW, is available for free download from the ARRL Web site <<http://www.arrl.org/awards/dxcc/Eth-operating-ENarrl-SITE-1jul2008.pdf>> This is an Americanized version of the booklet the authors wrote for an international audience. An international version is also available <<http://www.iaru.org/Eth-operating-EN-iaru-SITE-1july2008.pdf>>. At its June 2008 meeting, the IARU Administrative Council endorsed and recommended the principles set out in the booklet as a means of encouraging all radio amateurs to operate to the highest levels of proficiency, with proper consideration for others using the amateur radio bands and as a tool to teach newcomers and others correct operating behavior. The booklet mainly addresses HF operating issues, but the principles are also applicable to VHF and higher bands. ARRL Chief Executive Officer and IARU Secretary David Sumner, K1ZZ, expressed appreciation for Devoldere's and Demeuleneere's efforts: The authors are well known, experienced HF operators who are concerned about on-the-air operating standards and who decided that it's better to light a candle than curse the darkness. Anyone who reads their booklet will learn something, no matter how experienced they may be.

## Hamfests and Events

**Feb. 7, 2009:** Richmond Hamfest  
Richmond Raceway Complex, 600 East Laburnum  
Ave. Richmond. 146.88/R 540-872-5949;  
[casdeb@earthlink.net](mailto:casdeb@earthlink.net)

**Feb 22, 2009:** Winterfest,  
Northern VA Community College, 8333 Little River Tpke,  
Annandale, VA by Vienna Wireless Soceity, 703-534-2081  
146.79/R; [wa4qms@arrl.net](mailto:wa4qms@arrl.net)

**March 28-29, 2009** Timonium, MD,  
Greater Baltimore Hamboree and Computerfest; 146.67/R;  
by BARC <http://www.gbhc.org>; [w3ft67@yahoo.com](mailto:w3ft67@yahoo.com);  
443-590-1444

### Turn off cellphones, corral the kids

Fliers overwhelmingly oppose cellphone use in flight and favor separate sections for tots. At least, that's what TripAdvisor's annual Travel Trends survey of 3,117 U.S. travelers found. Some highlights:

- 80% think cellphones should be banned in flight (but 69% want wireless Internet).
- 71% said families with young children should sit in their own section of a plane.
- The No. 1 irritant: A child kicking the seatback, say 30%, followed by fliers who recline seats too far and yakking on phones before takeoff and after landing (each got 19% of votes).

Also, 24% of respondents said they would not fly if airlines began charging by travelers' weights.

### First Chinese Amateur Radio Satellite to be launched in June 2009 [AMSAT]

Michael Chen, BD5RV/4, reports that he recently received an update from Alan, BA1DU, on the progress of the first Chinese amateur satellite. Things are now going smoothly. This satellite was formerly named CAS-1 and is now XW-1. It carries a beacon and three cross band transponders: FM, linear, and digital. The satellite is planned to be launched into a Sun synchronous orbit in June 2009 by a CZ-2C rocket in Taiyuan Satellite Launch Center in North China.

### New ARRL Satellite Book Available

*The ARRL Satellite Handbook* by QST Editor Steve Ford, WB8IMY, brings the thrill of satellite communications within your reach. Filled with understandable descriptions and illustrations, this book includes all the tools you need to participate in this exciting field.

## VE EXAMS

### BARC VE EXAMS for 2008

12360 Owings Mills Blvd. Owings Mills Register: 1:30 PM, Exams begin 2 PM. No one admitted after exams begin  
**Saturdays:** Nov 2, Dec 1.  
[n3wke@arrl.net](mailto:n3wke@arrl.net) (Thanks, N3YI)

### BARC VE Exams for 2008

Sunday, January 4, 2009  
Saturday, February 7, 2009  
Saturday March 7, 2009  
Sunday, April 5, 2008  
Saturday, May 2, 2009  
Saturday, June 6, 2009  
Sunday, July 5, 2009  
Saturday, August 1, 2009  
Saturday, September 5, 2009  
Sunday, October 4, 2009  
Saturday, November 7, 2009  
Saturday, December 5, 2009

### 2008 AERO VE EXAMS

Registration at 1 PM, Exams at 1:30.  
Fee \$14 ( ARRL VEC); All exams at White Marsh Library, 8133 Sandpiper Circle; Nov. 22. Pat Stone, AC3F, [ac3f@juno.com](mailto:ac3f@juno.com), 410-687-7209

### Other Club Exams

**2nd Saturday, 1 PM**, Davidsonville, by AARC. Register 12 noon. Bob, AA3RR, 410-437-8193  
**3rd Saturday, 9 AM**, Laurel, by LARC, 384 Main St. John Creel, WB3GXW, 301-572-5124.  
**4th Tuesday, 6 PM**, Linthicum. At Historical Electronics Museum. Harold, WB4OGP, 410-757-0493(h); 410-712-6829(w)

### Next BRATS Meeting

Tuesday, November 18, 7:15 PM at the Pikesville Library, 1301 Reisterstown Road.  
Please plan to join us!

### 2008 ARRL Field Day Results Now Online

The results from this year's Field Day are now available online. "The addition of the online ARRL Field Day Locator site was a huge success, as more than 1500 sites were listed in this first year of use," said ARRL Field Day Manager Dan Henderson, N1ND. "When you scan the Online Soapbox, Field Day continues to be the most popular on-the-air event in Amateur Radio." You can find the results in the Members Only section of the ARRL Web site.

## milliwatt swap shop

*ads are free and get results!*

Send ad to: BRATS, P.O. Box 5915  
Baltimore, MD 21282-5915, or email  
to [w3gxxk@verizon.net](mailto:w3gxxk@verizon.net)

**ATTENTION:** if you do NOT want your ad to run again,  
please send me an email to that effect.  
Thanks! [w3gxxk@verizon.net](mailto:w3gxxk@verizon.net)

**FREE:** Heathkit Assembly Manual for Code  
Oscillator Model HD-1416; Heathkit Assembly Manual for  
Relative Field Strength meter Model HD-1426. Come to  
next BRATS meeting and pick 'em up.... See Mayer,  
W3GXX who is still cleaning stuff and finding things!!!

**FOR SALE:** mtrs mkd +-10kHz, 0-100 microamps in  
cabinet, \$10, mtrs and cabinet. 0-50 milliamps & 0-150  
VAC \$56 each. 2-80 mtr. Dipole w/insulators and nylon  
line, \$10. Homebrew VSWR bridge, %5 .Regal RSDP-com  
duplexer spillter combiner, 2 Mtr./440 \$10. Panoramic  
adapter BC-1031C \$40, Millen antenna matching pre-amp  
with 27-32 MHz plug-in \$5. Call Ted, W3OWN.  
410-668-5580, if I am out, leave message, I will call back...

**FOR SALE:** Heathkit SB 1000 linear amplifier, \$750 +  
shipping; 1200 watt transmitter, 3-1000 tube requires 100  
watt for 1K output, companion power supply 120V, only  
744 hours use, both built by electrical power engineer and in  
100% working order, \$2000 plus shipping; HyGain HDR  
300A rotator, 25 sq ft wind load and control box \$ 950 +  
shipping. Kenwood TS-930S xcvr., \$300 + shipping.  
Contact Joel, W3YZI, at 410-913-9863.

**FOR SALE:** Special! ICOM BC-110A battery charger ,  
12vDC 200mA, for ICOM T8A or similar. Used only twice,  
misplaced, bought a new one. Found it after new one  
arrived. Cost \$46, make me an offer. Mayer, W3GXX,  
410-786-6839 or [w3gxxk@verizon.net](mailto:w3gxxk@verizon.net)

**FOR SALE:** Alinco 110 2-mtr. xcvr. \$100. ACI linear for 2  
meters, \$20. Heath HM102 power meter w/ antenna selector  
\$40. Call Jerry, KB3AP, 443-618-0618

**FREE!** You remove! TV grade 30-35 foot tower in New  
Market, MD (off I-70). Dennis 410-842-3336.  
[dennis.kinsel@ngc.com](mailto:dennis.kinsel@ngc.com)

**FREE:** Schematic for ICOM 2AT. If you need one, I will  
be happy to copy it and mail it to you. Mayer, W3GXX  
[w3gxxk@verizon.net](mailto:w3gxxk@verizon.net)

**WANTED:** I need an AT-930 for a TS-930s . Please send  
condition and price . Want complete and good unit . Jerry  
[jerrymcf@sbcglobal.net](mailto:jerrymcf@sbcglobal.net)

**WANTED:** 6-Meter all-mode transceiver, Kenwood TS660  
or equivalent. Neil, W3ZQI, 410-765-8439, days, or  
[neilatv@yahoo.com](mailto:neilatv@yahoo.com)

### VTS - VIDEOTAPING SERVICE

Video/DVD duplications, video tape transferred to DVD.  
One source up to 2 hours, \$30. Standards, conversions. Call  
VTS toll free at 1-877-891-1002. BRATS member Bob  
Shapiro, K2MYS <http://www.videotapingservice.com>

### JADE COMPUTERS, LLC

1009 Ingleside Ave, Baltimore, MD 21228. Phone  
410-719-1246 ; Fax 410-719-9494. Your answer to custom  
built PC, office and home networking. Reseller for Net  
Integrity server, cable modem, DSL, webpage design and  
hosting POS and networking. We do CPR to your CPU.  
Kid tested, mother approved. Order PC on line:  
<http://www.jadecomputers.us> email:  
[joed@jadecomputers.us](mailto:joed@jadecomputers.us)

### Antique Radio Repair, Restoration

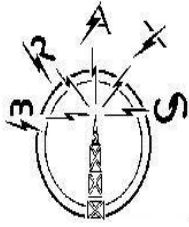
Eric, WA3TAD, Audio-Visual Service / Retro Radio, 3401  
Chestnut Avenue, Baltimore, MD 21211. 410-467-3620;  
[wa3tad@comcast.net](mailto:wa3tad@comcast.net)

### Radio Consignment Shop at Overlea Hobbies

8411 Harford Road, Parkville, 410-665-3622. Home of fine  
trains, model kits, x-acto, cars, planes, ships, many radios.  
Yaesu FT101ZD, Kenwood TS 820S, 930S, Heathkit  
SB-102, National NC-183, more ... Dick, N3JWN,  
410-488-2806

**WANTED:** AC Gilbert erector sets; old, new, large, small,  
need not be complete. CASH paid. Lewis, 410-296-4874

**WANTED:** Your ad for this space. Send copy to  
[w3gxxk@verizon.net](mailto:w3gxxk@verizon.net)



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P.O.Box 5915 Baltimore, MD 21282-5915

## November 2008

### LOCAL ATV NETS

Tuesday, 11:45 AM

Informal Net, W3WVV (Audio on 147.03/R)

Wednesday, 9 PM

CATS Net, rotating Net Control (Audio on 147.345+/R)

Thursday, 9 PM

BRATS Net, Rotating Net Control (Audio on 147.03/R)

Sunday

MATS Net, KB3LNN, 3 PM: International, 8 PM Standard (BRATS ATV and Linked FM Repeaters)

### UTAH ATV

Lots of projects and links:

[http://www.ussc.com/~uarc/utah\\_atv/utah\\_atv.html](http://www.ussc.com/~uarc/utah_atv/utah_atv.html)  
(Thanks, Scott, KB3JQQ)

### Interesting Web Site

British Amateur Television Club (BATC)

<http://www.batc.org.uk>

### Next BRATS Meeting

Tuesday, November 18, 7:15 PM

Pikesville Library

*Please plan to join us!*

### IMPORTANT NOTICE!

Winner of the first prize at the Carroll County Tailgate Fest on August 17th at Westminster, was our own Heru, W3WVV, Heru will pick up his prize at the Mason Dixon Hamfest on October 26. Congrats, Heru!! (Thanks, Scott)

## Other Radio Club Meetings

### QCWA

**Monday at Noon**, Cactus Willie 7315

Ritchie Hwy, Glen Burnie

**3rd Thursday, 1 PM**: Old Country Buffet,  
Joppa Road at Satyr Hill

**Last Wednesday, 1 PM**: Denny's Bel Air Rd  
at Putty Hill

### AARC

1st and 3rd Thursdays, 7:30 PM

Davidsonville Family Rec. Center, Queen  
Anne Bridge Rd, Wayson Rd (147.105R)

### AMRAD

2nd Thursday, 7:30 PM,

Dolley Madison Library; 1244 Oak Ridge  
Ave. McLean, VA (147.21/R)

### BARC

1st and 3rd Wednesday, 7:30 PM

12360 Owings Mills Blvd (near warehouse)  
Owings Mills, MD (146.67R)

### CARA

4th Tuesday,

Gateway Center, Rm 401, 6751 Gateway Dr.  
Columbia South off Rt 175 (147.135/R)

### How Do I Join The BRATS?

I want to become a member, what do I do? Just print out the form below and mail it with your check (Member, \$15; Retired/Disabled/Student, \$10; Family, \$20) to: BRATS, PO Box 5915, Baltimore, MD 21282

BRATS Membership Renewal: Regular=\$15; Retired/Disabled/Student \$10; Family \$20

Name _____	Call Sign _____	BRATS No _____
Address _____	City/State/Zip _____	
Phone _____	Email _____	

MAIL TO: BRATS, P.O.Box 5915, Baltimore, MD 21282-5915

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