

# the Milliwatt



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

## September, 2009

### Senate Confirms Clyburn and Baker as FCC Commissioners

The U.S. Senate has confirmed President Obama's nominations of Democrat Mignon Clyburn, and Republican Meredith Attwell Baker, to the remaining two seats on the Federal Communications Commission. Clyburn is the daughter of House majority whip James Clyburn, and the former publisher and editor of the Charleston weekly newspaper, the Coastal Times. She currently serves on the South Carolina Public Service Commission. Baker, the daughter of former Senate Majority Leader Howard Baker, is a former Commerce Department official who oversaw the \$40 coupon program for converter boxes during the digital television transition. Both were approved on Friday, July 24th (FCC)

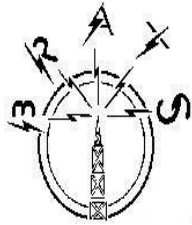
### FCC: Vanity Call Sign Fees to Increase September 10

On August 11, the FCC announced that the cost of an Amateur Radio vanity call sign will increase \$1.10, from \$12.30 to \$13.40. Now that notice of the increase has been published in the *Federal Register*, the increase will take effect in 30 days, September 10, 2009. The FCC is authorized by the *Communications Act of 1934, As Amended*, to collect vanity call sign fees to recover the costs associated with that program. The vanity call sign regulatory fee is payable not only when applying for a new vanity call sign, but also upon renewing a vanity call sign for a new 10 year term. The notice in the August 11, 2009 Federal Register, entitled Assessment and Collection of Regulatory Fees for Fiscal Year 2009, includes regulatory fees; these fees are expected to recover a total of \$341,875,000 during FY2009, encompassing all the Services the FCC regulates. For more information, see the recent ARRLWeb article, "[FCC Looks to Raise Vanity Call Sign Fees for Second Consecutive Year.](#)"

### MFJ Acquires Cushcraft

On August 7, [MFJ Enterprises](#) announced they had purchased the Cushcraft Amateur Radio antennas product line from Missouri-based [Laird Technologies](#) effective July 31. According to MFJ, Cushcraft -- makers of HF/VHF/UHF vertical, beam and Yagi antennas for the Amateur Radio community -- will continue to be manufactured in Manchester, New Hampshire. "We are excited to have the Cushcraft Amateur Radio Antennas product line alongside our other five companies," said Martin F. Jue, President and founder of MFJ Enterprises, Inc. "This product line increases our ability to offer our customers a wide range of antenna options at different prices. Customers will be able to choose from Cushcraft Amateur Radio antennas, Hy-gain and MFJ antennas through one source." MFJ purchased Hy-gain in 2000 the company also owns Ameritron, Mirage and Vectronics. Jue said that the Cushcraft line will bring more than 50 new products to MFJ's Amateur Radio product line. "We will add more new products to this antenna line and will continue the Cushcraft Amateur Radio antennas name long into the future. Cushcraft Amateur Radio antenna product customers will appreciate the continued and expected top-quality manufacturing of this product in New Hampshire and the MFJ commitment to superb after-the-sale service and tech support in Mississippi," said Jue. The 120 page 2010 MFJ catalog will include the entire Cushcraft Amateur Radio antennas product line. MFJ has set up a special customer support line -- 662-323-5803 -- to handle Cushcraft antenna product technical support, parts requests and customer services.

For email notifications of BRATS meetings and new issues of The Milliwatt, [join theMilliwatt Yahoo! group](#)



# the Milliwatt

The award-winning monthly publication of The BRATS.

Items herein may be reprinted with credit.

Mayer D. Zimmerman, W3GXX, Editor

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## Some Thoughts

I apologize for messing up the BRATS meeting schedule. The Baltimore County public Library accepts reservations for a library year( July through the following June) every April. I had the April date on my calendar and neglected to call in for reservations. When July came around, the meeting room at Pikesville was booked. We could not get the second or third Tuesday or Thursday of every month and took what they had available. . I messed up and I am sorry for any inconvenience. The meeting dates are listed at the bottom of this page. Hope you will be able to join us ... 73, Mayer, W3GXX

For email notifications of BRATS meetings and new issues of The Milliwatt, [join theMilliwatt Yahoo! group](#)

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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

Treasurer: Les McClure, W3GXT

Webmaster: Laura F, KB3LJM

Chairman of the Board: Heru Walmsley, W3WVV

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+, 224.8-

### 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

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:

Sun 8 pm MATS ATV Net

As needed Weather/Emergency Net, Skywarn

## BRATS Board of Directors

### Through 12/09:

KA3IDB, KB3FIF, K0RYX

### Through 12/10:

W3ZQI, KB3LJM, K2GZL

## Regular BRATS Meetings

7:15 PM at the Pikesville Library,  
1301 Reisterstown Rd, Pikesville

On irregular dates as follows:

**2009: September 17**, October 13, November 17,

December 15. 2010: January 14, February 18, March 15,  
April 15, May 13, June 17

**NEXT MEETING: Thursday, September 17, 7:15 PM**

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### **FCC Expands ARRL's 500 kHz Experimental License**

On July 28, the FCC approved a modification that expands the ARRL's 500 kHz experimental license WD2XSH. According to Experiment Coordinator Fritz Raab, W1FR, the expansion allows for more frequencies, more stations and portable operations. "We can now operate between 495-510 kHz," Raab said. "We were previously limited to 505-510 kHz. We will not be using 500 kHz itself so as to ensure that there is no conflict with the heritage stations on that frequency. The expansion also gives us the opportunity to expand the number of participating stations. We can now have 42 stations, where before we were limited to 23." Raab said that the expansion will now let participants operate within 50 km of their designated stations. This was not allowed under the previous terms of the experimental license. "Some stations have reduced operating bands to ensure that they do not interfere with nearby non-directional beacons (NDB). The FCC's Office of Engineering and Technology granted the WD2XSH experimental license to the ARRL in September 2006. Find out more information on the ARRL's 500 kHz Experiment in the July/August 2007 issue of QEX.

### **EMERGING TECHNOLOGY:**

#### **RADIO COULD CHALLENGE BPL FOR ELECTRICAL SYSTEM MONITORING**

FM subcarriers on broadcast stations also called SCA channels could challenge BPL in the area of power grid monitoring. B-P-L watch out. Here comes S-C-A. This, as e-Radio and Direct Energy announce that they are partnering with manufacturers of smart grid devices such as thermostats, in-home displays, load controls and appliances to use broadcast RF as a way to monitor power consumption needs. Using FM subcarriers leased from radio stations, e-Radio transmits the notifications to the home-based receivers across a municipality or utility service area that results in significantly reduced peak energy demand. The technology can also intervene on the consumer's behalf, cycling off appliances for set periods of time during peak periods. E-Radio and Direct Energy say that their Utility Message Channel allows utilities, energy retailers or government agencies to send alerts, messages and commands to smart grid-enabled devices and consumer appliances. This is information that tells them to lower their energy consumption and operate more efficiently. The two partnering companies have conducted pilot tests in California, Texas and Ontario, Canada. In Texas, Direct Energy's affiliate, CPL Retail Energy, has launched a demand-response and energy efficiency pilot program for residential customers. The pilot uses e-Radio-enabled thermostats to achieve and measure peak period reductions. [AR Newsline]

#### **FCC Blogs, Twitters**

On Tuesday, August 18, the Federal Communication jumped on the technological bandwagon and began "Twittering." Twitter allows text-based posts of up to 140 characters displayed on the author's profile page and delivered to the author's subscribers; to date, the FCC's Twitter page has almost 1200 followers. The FCC has also started a blog called Blogband. According to Chairman Julius Genachowski (who made the first post), "Blogband is part of the FCC's commitment to an open and participatory process. Blogband will keep people up-to-date about the work the FCC is doing and the progress we're making. But we want it to be a two-way conversation." Readers may leave comments after each post, but comments will be monitored during normal business hours and will be reviewed as "speedily as possible" before posting. "As this blog demonstrates, the Internet is changing and expanding the way Americans communicate, providing them with unparalleled access to information." Genachowski wrote. "So visit Blogband often to keep up with the latest news and -- more importantly -- get involved." The FCC pointed out that commenting in the blog "is not a substitute for submitting a formal comment in the record of a specific Commission proceeding."

#### **FCC to Utilities: Don't Look to Hams to Pay for Your Testing**

In a case that goes back more than 10 years, the FCC has told a Pennsylvania utility that the utility is responsible for paying for "efforts to locate and correct instances of [power line] noise." At least one amateur has been complaining to the FCC since 2000 regarding harmful radio interference possibly caused by power line equipment that is maintained by Pittsburgh's Duquesne Light Company (DLC).

### **Your Name Headed to Mars**

Your name and call could be added to a microchip on the Mars Science Laboratory Rover heading to the red planet in 2011. All you need to do is to go to the Jet Propulsion Laboratory U-R-L found in this weeks printed Newline report and fill in the blanks. While there is no space for your callsign, many hams are simply adding it right after their last name. The Mars Science Laboratory is part of NASA's Mars Exploration Program. This is a long-term effort of robotic exploration of the red planet. The Mars Science Laboratory is a rover that will assess whether Mars ever was, or is still today, an environment able to support microbial life. To get your name on that Mars bound microchip is to go to:

<http://mars9.jpl.nasa.gov/msl/participate/sendyourname/index.cfm> (VK2SKY via ARNewline))

### **Extending the World Wide Web into the Final Frontier**

The University of Colorado at Boulder is working with NASA to extend the Internet into the final frontier. The two are working to develop and test the new communications technology which will extend Earth's Internet into outer space and across the solar system. Called Disruption Tolerant Networking, or DTN, the new technology will enable NASA and other space agencies around the world to better communicate with international fleets of spacecraft that will be used to explore the Moon, Mars and beyond in the coming decades. Or put another way, its expanding the Internet where no website has ever been before. (NASA)

### **Southwest details plans for fleetwide Wi-Fi**

In a press release just out from Southwest, the carrier says it "and Row 44 are continuing plans to roll out wi-fi beginning in the first quarter of 2010. Beginning this fall, Southwest will be moving to the next step of certifying Southwest's full fleet with plans to begin fleetwide rollout of the Row 44 satellite service in the first quarter of 2010. The airline has been testing the service on four aircraft since Feb. 2009 and has received fantastic Customer feedback on the product." Stay tuned for more details.

### **US Airways to add in-flight Wi-Fi**

US Airways is the latest carrier to say it will add in-flight Wi-Fi. The airline, which is adding Aircell's Gogo Inflight Internet service, initially will install the option on its Airbus A321 jets on "select domestic routes." US Airways has a map on its website showing those routes. "And later next year, customers will be able to see if Wi-Fi is available on a specific flight by looking for the Wi-Fi icon while booking their flight on usairways.com," the company says in a press release. US Airways says it will detail pricing for the Wi-Fi "closer to the launch date," but adds "customers will be able to choose service from Aircell's standard pricing structure, which currently ranges from \$5.95 to \$12.95, depending on the length of flight and type of Wi-Fi enabled device used." US Airways says Wi-Fi will be available "beginning in early 2010." Fliers with wireless devices will have access to the Web, instant messaging, email and VPNs. In a Q&A on its in-flight Wi-Fi, US Airways notes that its A321 jets "are not equipped with power outlets. Aircell recommends bringing a back-up power source for your device. ? All Wi-Fi enabled devices will work with the Gogo Inflight Internet service including laptops, smartphones and PDAs such as BlackBerry Bold, iPhone and iTouch."

**JetBlue and United give Twitter a try to sell airline seats fast** Looking for a quick, cheap getaway? A bargain may be just a tweet away. JetBlue and United airlines are offering their Twitter followers first dibs on some discounted fares, using the uber-trendy form of messaging to quickly connect with customers and fill seats on flights that might otherwise take off less than full. Like the e-mails that many airlines began to send out in the 1990s, tweets are presenting a new, faster way to promote sales. And in fitting with this latest mode of instant communication, travelers have to decide quickly whether to fly JetBlue posted its first "Cheep" on July 6, a \$9 one-way trip from JFK to Nantucket. Since then the carrier has generally notified Twitterers about sales on Mondays, giving them about eight hours ? or as long as there are available seats ? to book a trip for that or the following weekend. United's Twitter-only fares, also known as "twares," started in May. The airline's sales tweets can come at any time for a flight leaving on any day, and fliers have had to pounce quickly because the offers are usually available for only one to two hours. "Twares are all about surprising our customers with low fares for a very, very limited time," says Robin Urbanski, a United spokeswoman. And, she says, they "sell extremely fast because the prices are unbeatable." Many airlines continue to offer e-fares, notifying fliers about last-minute sales via e-mail. But travelers usually have a few days rather than a few hours to book their tickets. With Twitter fares, Johnston says, "You really have to act fast. Because people watch Twitter in a real-time manner, the ability for someone to ? come in and immediately act on it is a unique phenomenon to the culture of Twitter."

**WA7BNM Contest Calendar**

- Sept. 5-6  
All Asian DX Contest, Phone
- Sept. 5  
Wake Up! QRP Sprint  
AGCW Straight Key Party
- Sept. 6  
DARC 10-Meter Digital
- Sept. 7-8  
MI QRP Sprint, CW
- Sept. 12-13  
WAE DX Contest, SSB
- Sept. 12-14  
ARRL Sept. VHF QSO Party
- Sept. 13-14  
Tennessee QSO Party
- Sept. 18-20  
SARL VHF/UHF Contest
- Sept. 19-20  
ARRL 10 GHz and Up Contest  
Washington State Salmon Run
- Sept. 20  
North American Sprint, SSB
- Sept. 21  
Run for the Bacon QRP Contest
- Sept. 26-27  
CQ WW DX Contest, RTTY  
Texas QSO Party
- October 1  
SARL 80m QSO Party
- October 3  
TARA PSK Rumble Contest

(Thanks, Bruce, WA7BNM)

**ARRL DX Bulletin**

TIMOR-LESTE, 4W.

AI, CT1GPQ is QRV as 4W6AL until October 3. Activity is on 40 to 17 meters using mostly CW but with some SSB and RTTY as well. QSL via CT1GFK.

HUNGARY, HA.

Special event station HG8NAVIGA is QRV until the end of 2009 to promote the 2009 FSR Radio Controlled Powerboat European Championship taking place in Oroshaza. Activity is on 80 to 2 meters, including 70 cm., using CW and SSB. QSL via bureau.

MONGOLIA, JT.

Special event station JU85TTC is QRV until September 30 in celebration of the Technique Technology College of Mongolia's 85th anniversary. QSL via JT1DN.

Mount Athos, SV/A

Monk Apollo has been active using RTTY on 20 meters around 1900 to 2130Z. QSL direct.

**Operations approved for DXCC credit:**

Prince Edward and Marion Island, ZS8T, by ZS6GCM; Yemen, 7O1YGF from April 16 to 26, 2000

**Next BRATS Meeting**

Thursday, September 17, 7:15 PM  
Pikesville Library

**SILENT KEY**

Arthur E. Goldman, N3OY  
July 30, 2009

**RadioShack To Become "The Shack"**

RadioShack is changing its name to "The Shack," hoping to present a fresh face to consumers as the electronics retailer directs more of its resources to selling wireless products. The new brand is scheduled to be unveiled Aug. 6 during a three-day launch event in New York and San Francisco, the company said Monday. RadioShack also plans to get the word out through television, print and Web advertising. "The Shack" was chosen as the new name based on the fact that many consumers were already dropping "Radio" from the company's name when referring to one of its stores. "We decided to embrace that fact and share it with the world," Lee Applebaum, chief marketing officer for RadioShack, said in a statement. RadioShack also hopes the new name will help the company change its image. "We have tremendous equity in consumers' minds around cables, parts and batteries, but it's critically important that we help them to understand the role that we play in keeping people connected in this highly mobile world," Applebaum said. "You will see a real focus on mobility and wireless products from leading brands in our new advertising."

## Hamfests

**Sept. 12-13:** Virginia Beach, VA  
Va. Beach Hamfest , VA. Wesleyan College 1584 Wesleyan Drive, Va. Beach, VA 146.97/R, 757-484-0569; [w4cac@arrl.org](mailto:w4cac@arrl.org)

**Sunday, October 4:** W. Friendship, MD  
CARAFest, Howard Co. Fairgrounds Rte 144 at Rte 32, adjacent to I-70 147.135/r PL 156.7; 410-552-2652

**Sunday, October 25:** Westminster, MD  
Mason Dixon Hamfest; Carroll County Ag. Center, Rte 32, Westminster; 145.41/R 410-583-4321; [n3sb@qjs.net](mailto:n3sb@qjs.net)

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## 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+

**Thursday, 9 PM**  
BRATS Net Rotating Net Control, Audio on 147.03/R

**Saturday- 8 PM**  
MATS Net - KB3LNN (BRATS ATV and linked FM Repeaters)

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## Free IARU Locator Maps

Free IARU locator maps are available in PDF format for downloading. Maps are available for many nations on all continents. The US map include Hawaii and Alaska. You can find them at <http://iarumapsrussia.webs.com>

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## 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)

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## NEXT BRATS MEETING

Thursday, September 17, 7:15 PM  
at the Pikesville Library. Most meetings are on 2<sup>nd</sup> or 3<sup>rd</sup> Thursdays.

## VE EXAMS

**BARC VE EXAMS for 2009**  
at BARC Clubhouse 12360 Owings Mills Blvd. Owings Mills  
Register: 1 PM, Exams begin 2 PM. Free (Laurel VEC)  
Saturdays: 9/5, 11/7; Sundays: 10/4 [n3wke@arrl.net](mailto:n3wke@arrl.net) (Thanks, N3YI)

## 2009 AERO VE EXAMS

Registration at 1 PM, Exams at 1:30.  
Fee \$14 ( ARRL VEC); All exams at White Marsh Library, 8133 Sandpiper Circle; 19 September 2009 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)

## Complimentary Wi-Fi Service

now available at all Barnes & Noble stores. No fees. No charges. Just log on.

## SKYWARN Classes

Basics I -- Sep. 17, 6:00 PM  
Harford County EOC  
2220 Ady Rd.  
Forest Hill, MD 21050  
Reed Correll [grcorrell@harfordpublicsafety.org](mailto:grcorrell@harfordpublicsafety.org)  
Basics I -- Nov. 9, 6:00 PM  
Charles Co. Government Bldg  
Commissioners Meeting Rm.  
200 Baltimore Street  
La Plata, MD 20646  
Jen Adams (301) 609-3430  
[adamsjen@charelescounty.org](mailto:adamsjen@charelescounty.org)  
or  
Michelle Lilly (301) 609-3429  
[lillym@charlescounty.org](mailto:lillym@charlescounty.org)

## milliwatt swap shop

*ads are free and get results!*

Send ad to: BRATS, P.O. Box 5915  
Baltimore, MD 21282-5915, or email  
to [w3gzk@verizon.net](mailto:w3gzk@verizon.net)

**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:** 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)

**FOR SALE:** ICOM T2H 2 mtr HT with charger, belt clip, rubber ducky, manual, asking \$80. K3BCD, 410-866-5441 or [ywm@comcast.net](mailto:ywm@comcast.net)

**FOR SALE:** A bunch of meters. \$10; Dipole with insulators, and nylong line, \$10; Homebrew SWR bridge 2mtrs/440, \$10; Panoramic adaptor BC 1031C, \$40; Millen antenna matching pre-amp with 27-32 MHz plug-in, \$5; Call Ted, W3OWN, 410-668-5580, leave message, I will call back.

**SPECIAL DEAL:** ICOM BC-110 battery charger, 12vDC, 200 mA, for ICOM T8A or similar misplaced it, ordered a new one, then found it. Almost new, cost \$46, make me a reasonable offer. Mayer, W3GXX [w3gzk@verizon.net](mailto:w3gzk@verizon.net)

**For Sale:** Altronix AL600 Series Power Supply / Battery Charger. Unit delivers 12 VDC at 6A from 120 VAC in, or from battery backup. Battery Not Included. Asking \$75.00 or Best Offer. Kurt WA3TOY [arswa3toy@verizon.net](mailto:arswa3toy@verizon.net) or 410-360-2260

### JADE COMPUTERS

1009 Ingleside Ave., Baltimore, MD 21228  
443-677-4187; [joe@jadecomputers.us](mailto:joe@jadecomputers.us) webpage design, hosting, order PC on-line <http://www.jadecomputers.us>

### VTS - Videotaping Service

Video, DVD duplications, video tape transferred to DVD; standards, conversions, call VTS toll free: 1-877-891-1002. BRATS member Bob Shapiro, K2MYS. <http://www.videotapingservice.com>

### Antique Radio Repair, Restoration!

Eric, WA3TAD, audio-visual service, retro radio, 3401 Chestnut Ave. Balto. 21211. 410-467-3620; [wa3tad@comcast.net](mailto:wa3tad@comcast.net)

### Overlea Hobbies; Radio Consignments

8411 Harford Rd. Parkville; 410-665-3622 fine trains, model kits, x-acto, cars, planes, ships, many radios: Yaesu FT-101ZD, Kenwood TS 820S, 930S, Heath SB-102, National NC 183, more. Dick, N3JWN, 410-488-2806

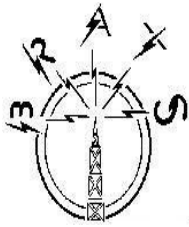
**WANTED:** AC Gilbert erector sets: old, new large, small, need not be complete, **CASH PAID.** Lewis, 410-296-4874

**WANTED:** AT-930 for a TS930S. Please send condition and price. Jerry. [jerrymcf@sbcglobal.net](mailto:jerrymcf@sbcglobal.net)

**WANTED to BORROW:** Shipping container for Kenwood TS-850S. Will pick up, or ship it to me. Will return it after I get my rig back from Kenwood. 410-668-5580. If not there, leave a message. Ted, W3OWN

<p><b>ATTENTION:</b> if you do NOT want your ad to run again, please send me an email and let me know. Thanks! <a href="mailto:w3gzk@verizon.net">w3gzk@verizon.net</a></p>
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**WANTED:** Your ad for this space. Send copy to [w3gzk@verizon.net](mailto:w3gzk@verizon.net)



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

## September 2009

### NEXT BRATS MEETING: Thursday, September 17, 7:15 PM, Pikesville Library

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### Other Radio Club Meetings

#### AMRAD

2nd Thursday, 7:30 PM,  
Dolley Madison Library; 1244 Oak Ridge  
Ave. McLean, VA (147.21/R)

#### 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

#### BARC

1st and 3rd Wednesday, 7:30 PM  
12360 Owings Mills Blvd (near warehouse)  
Owings Mills, MD (146.67R)

#### AARC

1st and 3rd Thursdays, 7:30 PM  
Davidsonville Family Rec. Center, Queen Anne  
Bridge Rd, Wayson Rd (147.105R)

#### CARA

4th Tuesday,  
Gateway Center, Rm 401, 6751 Gateway Dr.  
Columbia South off Rt 175 (147.135/R)

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