

# the Milliwatt



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

**May, 2007**

**Attention All Amateurs...**

**FCC Poised to Cut Vanity Call Sign Fee by More Than 40 Percent**

The FCC has proposed reducing the regulatory fee to obtain or retain an Amateur Radio vanity call sign by more than 40 percent starting later this year. *In a Notice of Proposed Rule Making (NPRM)* released April 18, "Assessment and Collection of Regulatory Fees for Fiscal Year 2007," in MD Docket 07-81, the Commission is proposing to cut the fee from its current \$20.80 to \$11.70. If ultimately adopted, that would mark the lowest fee in the history of the current vanity call sign program. The FCC proposed to collect nearly \$290.3 million in FY 2007 regulatory fees.

## MARYLAND HAMFEST

AND

## COMPUTER FEST

SPONSORED BY  
THE BALTIMORE RADIO AMATEUR TELEVISION SOCIETY

**SUNDAY, JULY 22, 2007**

HOWARD COUNTY FAIRGROUNDS, OFF I-70 at RT. 32

Grounds open for Tailgating at 6:00am

ACCESSIBLE TO THE HANDICAPPED  
KIDS UNDER 12 FREE

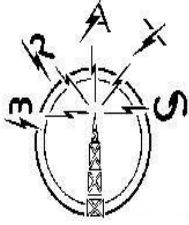
**FREE VE EXAMS** at 9:00 AM ONLY, CHECK IN at 8:30 AM  
**PRE-REGISTRATION REQUIRED**

To register call 301-572-5124 between 6 PM and 9 PM, or email [crewb3gxw@aol.com](mailto:crewb3gxw@aol.com)

For information contact:

BRATS / PO Box 5915 / Baltimore, MD 21282 -- 410-461-0086 voice or fax

<http://www.bratsatv.org> -- email [brats@bratsatv.org](mailto:brats@bratsatv.org)



# the Milliwatt

The award-winning monthly publication  
of The BRATS.

Items herein may be reprinted with credit.

Mayer D. Zimmerman, W3GXX, Editor

## Volunteer to Help with the Hamfest!

Contact Les, W3GXT at [lesmccclure@comcast.net](mailto:lesmccclure@comcast.net). How many times can we say it, and how many different ways can we explain it? We need your help. Not only on the day before and the day of the Hamfest, but NOW! There is much to be done and We need you. Please contact Les and volunteer. the Hamfest is the major source of our revenue for the year. Dues alone cannot keep up the repeaters nor can they pay our administrative expenses such as postage and insurance ... If you want a club, we want you to help. Thanks! - 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: 410-461-0086

Meetings: 3rd Tuesday, 7:15 PM, Randallstown Library

President: Ed Rosen, N3GXH

Vice Pres: Edward Koritzer, N3DGY

Secretary: Mayer D. Zimmerman, W3GXX

Treasurer: Les McClure, W3GXT

Webmaster: Laura Faussone, 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+

### 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 BRATS 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 12/08:

KB3LJM, K2GZL

### Through 12/07:

KA3IDB, W3ZQI, KB3FIF, K2ORX\*

\*Appointed by the President

## REGULAR BRATS MEETINGS

Third Tuesday of each month,

7:15 pm at the Randallstown Library

8604 Liberty Rd at Old Court Rd

### Next BRATS Meeting

Tuesday, May 15

7:15 PM, Randallstown Library

8604 Liberty Rd. at Old Court Rd.

Annual Elections

### **Ham Radio Suspended in Iraq**

The government of Iraq has shut down amateur radio operations in the country until the security situation there improves. Diya Sayah, YI1DZ, President of the Iraq Amateur Radio Society, reported in an e-mail that "all activities of amateur radio in Iraq will be suspended for unknown date or time," and that the shutdown applies both to Iraqi citizens and to foreign hams who have been operating with YI9 callsigns. Sayah told the ARRL he had requested a meeting with Iraqi Prime Minister Nouri al-Maliki to try to clear up any "possible misunderstanding on the part of government officials as to the nature and purpose of Amateur Radio."

### **New Rules Bring New Hams**

The FCC's decision to drop Morse code tests from all classes of amateur licenses is apparently prompting thousands of people to join the amateur service for the first time, even though there has been no code test for the Technician license since 1991. The ARRL reports a huge upsurge in the number of new Technician Class licensees—sometimes 60 or 70 from a single test session, according to the ARRL Letter, with large numbers of upgrades as well. The number of exam sessions is way up as well. The ARRL VEC, which normally sponsors about 450 test sessions a month around the U.S., reported nearly 800 sessions had been scheduled for March, with another 600 on tap for April. And, according to VEC Manager Maria Somma, AB1FM, it doesn't look like test session activity will be slowing down anytime soon.

### **Apple delays release of Leopard**

Apple said it won't be shipping its next-generation operating system in June as planned, saying it had to divert resources from the project so that it could launch its highly anticipated iPhone on time. The new shipment date for Mac OS X Leopard will be in October, the company said Thursday. The iPhone will make its debut in June as planned. The iPhone contains the most sophisticated software ever shipped on a mobile device, and finishing it on time has not come without a price—we had to borrow some key software engineering and (quality assurance) resources from our Mac OS X team, Apple said in a statement. Apple announced the iPhone—a smart phone that also serves as an iPod music player in January to much fanfare. The Cupertino-based company said Thursday the iPhone is still on track to be shipped in late June and has passed several of the required certification tests. Apple, which had previously said Leopard would be available in the spring, had hoped to release the Mac operating system upgrade at its Worldwide Developers Conference, a five-day event in San Francisco that starts June 11. Instead, a near-final version of Leopard will be ready for the developers at the conference, Apple said. We think it'll be worth the wait, Apple said.

### **BRATS MEETINGS SCHEDULED**

The Pikesville Library is still under construction, and they are not accepting reservations for meeting rooms at present. We were able to get the Randallstown Library for their next library year.— July, 2007 through June, 2008. Reservations for meeting rooms must be made during April each year. We will retain **the 3rd Tuesday of each month at 7:15 PM at The Randallstown Library, 8604 Liberty Road at Old Court Road**. Meetings are scheduled for the following dates: For 2007: July 17, August 21, September 18, October 16, November 20 and December 18. For 2008: January 15, February 19, March 18, April 15, May 20, and June 17. There is a possibility that we may be able to switch back to Pikesville, in which case we will let you know

### **VOLUNTEER TO HELP WITH THE HAMFEST ...**

Contact Les, at: [lesmclure@comcast.net](mailto:lesmclure@comcast.net)

**ENJOY YOUR NEXT FLIGHT !****Airline passenger awakens beside corpse**

A first-class passenger on a flight from New Delhi to London awoke to find the corpse of a woman who had died in the economy cabin being placed in a seat next to him, British Airways said Monday. The flight's economy section was full, and the cabin crew needed to move the woman and her grieving family out of that compartment to give them some privacy, the airline said. The first-class passenger, Paul Trinder, told the Sunday Times newspaper that he was sleeping during a February flight from India and woke up when the crew placed the dead woman in an empty seat near him. "I didn't have a clue what was going on. The stewards just plonked the body down without saying a thing," the newspaper quoted Trinder as saying. "I remember looking at this frail, sparrow-like woman and thinking she was very ill. When I asked what was going on, I was shocked to hear she was dead." British Airways said in a statement that about 10 passengers die each year in flight and that while each situation is dealt with on an individual basis, safety is paramount. "The deceased must not be placed in the galley or blocking aisles or exits, and there should be clear space around the deceased," the statement said. "The wishes of family or friends traveling with the deceased will always be considered, and account taken of the reactions of other passengers." Because there was space in the first class cabin, that "allowed the family members traveling with the deceased some level of privacy in their grief," the airline said. "We apologize to passengers in the first cabin who were distressed by the situation — our cabin crew were working in difficult circumstances and chose the option that they believed would cause the least disruption," the statement said. David Learmount, a former pilot and cabin crewmember who now writes about the aviation industry for Flight International magazine, said that each airline has to deal with the relatively rare situation on an individual basis. He said it would be unusual to divert the flight, and that the captain would be consulted before the crew acted. "Personally, I think they did the thing that was the best thing to do," he said. "It's an isolated incident. It's not as if it happens every day, but you do have to take in people's sensibilities when it does happen."

**Passenger who urinated in air-sickness bag get apology from airline**

SkyWest Airlines apologized to a passenger who said he wasn't allowed to use the restroom during a one-hour flight and ended up urinating in an air-sickness bag. James Whipple said he had two "really big beers" at the Boise, Idaho airport. While on a flight to Salt Lake City on March 7 he wanted to use the cabin restroom. The captain had declared it off-limits during the short flight because a light wasn't working. Whipple said he had used the cabin restroom before the plane departed but had to go again and finally reached for the air-sickness bag. "It was like I had no choice," Whipple told The Salt Lake Tribune, which posted the story on its Web site Friday. No other passengers noticed Whipple using the bag, but a flight attendant asked him about it and told the captain, who called airport police. Whipple was questioned and took a taxi home to Sandy, a Salt Lake City suburb. The airline sent him a letter of apology and a flight voucher, SkyWest spokeswoman Sabrena Suite-Mangum said Friday. She said SkyWest decided to go ahead with the flight and get the light fixed in Salt Lake City, rather than delaying it or canceling it for repairs. "For such a short flight, we really felt we were trying to inconvenience the least number of passengers possible by operating that flight," Suite-Mangum said.

**Airport Check-in: Wi-Fi now available throughout LAX**

Los Angeles International has finished installing wireless Internet. Operated by T-Mobile, the service will be available at all public areas of the airports. Cost: \$9.99 a day, or \$6 for the first hour and 10 cents a minute thereafter. LAX would be one of the largest Wi-Fi-covered buildings in the world, with about 3.8 million square feet of coverage space, the airport says.

**VOLUNTEER TO HELP WITH THE HAMFEST ...**

Contact Les, at: [lesmcclure@comcast.net](mailto:lesmcclure@comcast.net)

**CubeSats launch successfully!**

Four CubeSats containing payloads operating on Amateur Radio frequencies were among several spacecraft launched successfully April 17 at 0645 UTC from Baikonur Cosmodrome, Kazakhstan. A Dnepr rocket deployed seven CubeSats plus seven other satellites from Egypt, Saudi Arabia and Ukraine into Earth orbit, and signals from the four CubeSats have been copied on Earth. Among the spacecraft was Colombia's first satellite. The CubeSats are: CalPoly's PolySats CP3 and CP4 (similar to photo), 436.845 MHz and 437.325 MHz respectively, 1200 bps FM AFSK, AX.25, 1 W, operating under an FCC Part-5 Experimental license; University of Louisiana CAPE-1 435.245 MHz, 9600 bps FM FSK AX.25 and CW telemetry during opposing 30-second intervals, 1 W, call sign K5USL (e-mail telemetry reports); Universidad Sergio Arboleda, Colombia, Libertad-1, 437.405 MHz, 1200 bps FM AFSK AX.25, 400 mW, call sign 5K3L. CP4 will transmit a sensor snapshot every 2 minutes on 437.325 MHz at 1200bps FSK, AX.25. FSK will require using SSB mode for reception. A 6-second CW preamble precedes this transmission. Keplerian elements for the new ham radio birds and additional information will be posted on Cal Poly's CubeSat Web page. CalPoly offers a CubeSat Satellite Contact Form to report telemetry data received from any satellite. A discussion board also is available for satellite trackers.

AMSAT

**ATV NEWS**

From: TOMSMB@aol.com

Date: Tue, 17 Apr 2007 16:54:15 EDT

We are shipping out the last TC70-20Sa ATV Transceivers today. We cant make another production run because the 20W power module is no longer manufactured. We have a few modules left for repairs and PA5's, but not enough to justify the cost of a small production quantity. Meanwhile, we are working with Videolynx to come out with a 5-10 Watt 70cm Transmitter. Watch our New for 2007 web page for the announcement on availability and price, but we expect it to be ready this summer. It will work with the Mirage D1010N-ATV or DEMI 70225PA linear amps for higher power and with our TVC-4G downconverter to receive. For those that cant wait to get on, you can package your own system using our board modules or use the RTX70-1 1 Watt transmitter driving a Mirage D26N 50 Watt pep amp - check out our web site. Tom O'Hara W6ORG P. C. Electronics www.hamtv.com 626-447-4565 m-th 8am-5:30pm Pacific time

**President Recognizes California Radio Amateur's Dedication to Volunteer Service**

President George W. Bush has honored ARRL member Randy Hatfield, AG6RH, of Victorville, California, with the President's Volunteer Service Award. A volunteer with the City of Victorville Community Emergency Response Team (CERT) and Emergency Communication Service, Hatfield met briefly with the president April 4 to receive the award. President Bush honors local volunteers as he travels throughout the United States. When a call came from the White House, Hatfield at first thought he was the victim of an April Fool's Day prank by ECS Coordinator Robert Barton, W7OES, who nominated Hatfield for the award a few days earlier.

**The Daily DX debuts back issues search engine**

The Daily DX editor Bernie McClenny, W3UR, says his paid subscription DX newsletter's Web site now offers a Google-powered search engine. Open to all, the search engine scours back issues of *The Daily DX*. I am still in the process of uploading issues and hope to have this completed by the end of April, McClenny says. When completed it will have up until the last 6 to 8 weeks. So far, McClenny says, he's uploaded back issues from March 17, 1997, through May 2006. Issues of *The Weekly DX* are not included. The Google Custom Search box is in the middle of *The Daily DX* home page. McClenny advises users to include as many key words as they can when initiating a search. He also suggests starting with one search word then adding more words to narrow down the subject.

**ARRL announces card checking program changes**

The ARRL has announced some changes in the DXCC, WAS and VUCC card checking program rules. Effective immediately, the 10-year rule has been dropped for DXCC card checking. ARRL DXCC card checkers now have been authorized to check cards for current entities only, dating back to November 15, 1945. Card checkers still may not verify cards for 160-meter contacts nor cards confirming contacts with deleted entities. In addition, DXCC card checkers now may check applications for Worked All States Award (WAS) and VHF/UHF Century Club Award (VUCC), if they agree to do so. For more information, contact DXCC Manager Bill Moore, NC1L.

**Attention All Amateurs ...****ARRL Offers Alternate Approach to Regulation by Bandwidth**

In the wake of recent changes in the Part 97 Amateur Radio rules, the ARRL has revised its regulation by bandwidth proposals to match the new reality, avoid some unintended consequences and temper some of the controversy the original petition had aroused. In a November 2005 Petition for Rule Making (RM-11306), the League asked the FCC to establish a regulatory regime that would segment bands by necessary bandwidths ranging from 200 Hz to 100 kHz rather than by emission mode. The ARRL now is urging the FCC to adopt a subset of the rules contained in its original petition that largely affects only the amateur bands at 28 MHz and above.

**Do not follow instructions in bogus e-mails**

The ARRL is alerting members and especially users of the ARRL E-Mail Forwarding Service <http://www.arrl.org/members-only/emailfwd.html> about bogus e-mails that claim to be from the arrl.net user support team. There is no such entity, and the messages do not originate with ARRL but appear to be coming from outside the US. Recipients should not follow the instructions in the e-mail, which reads, *We have received reports that your e-mail account has been used to send a large amount of unsolicited commercial email messages during this week. We suspect that your computer had been infected by a recent virus and now contains a hidden proxy server. We recommend you to follow our instructions in order to keep your computer safe.* Following the instructions will have the opposite effect, however, infecting your computer with the *MyDoom* Trojan worm and making it part of a spamming network. The League urges all members to invest in *and use* anti-virus software.

**New digital communications email reflector set up**

Amateurs interested in digital communications will be pleased to hear that a new email reflector covering this area of the hobby has recently been set up. The Yahoo Groups email reflector focuses on the emerging world of digital amateur radio communications. It will be used primarily to discuss the use of digital voice and data communication techniques on the VHF and UHF bands. Technologies such as D-STAR, APCO P25, packet radio, high speed multi media, Wi-Fi, PSK and FSK will be covered. If you would like to join the group, please click [here](#). On a similar note, if you have written a paper on digital radio communications, you might want to submit it for presentation at the 26th Annual ARRL and TAPR Digital Communications Conference to be held on 28 to 30 September in Connecticut, USA. The organisers of the conference have just put out a call for papers. You do not need to attend the event in order to have your paper published. The organisers have also informed GB2RS that papers will be published exactly as submitted and authors will retain all rights. The submission deadline is 31 July 2007. Please send papers to Maty Weinberg at the ARRL, 225 Main St, Newington, Connecticut, 06111. You can also email submissions to [maty@arrl.org](mailto:maty@arrl.org). [GB2RS]

**BRATS HAMFEST COMING -- July 22, 2007**

**Mark your calendars and plan to join us!**

Know Your Privileges!

#### Misconceptions Abound Regarding Tech HF Privileges

Some Technician licensees who gained new privileges February 23 remain unaware or uninformed as to what they may and may not do on the HF bands, says ARRL Regulatory Information Specialist Dan Henderson, N1ND. In addition to all Amateur Radio operating privileges above 50 MHz, Technicians who never passed a Morse code test now have CW privileges on certain segments of 80, 40 and 15 meters plus new CW, RTTY, data and SSB privileges on certain segments of 10 meters. And that's it. Know your privileges, Henderson advises all Amateur Radio licensees. He says some Technicians apparently believe their new HF phone privileges go far beyond what they really have.

#### FCC Holds Firm on CC&Rs

The FCC has again refused to consider extending the limited protections for amateur antennas that it has imposed on local and state governments to private homeowners' associations. In rejecting a petition from a group known as Hams for Action (HFA) for the Commission to override covenants, conditions and restrictions (CC&Rs) that prevent amateurs from installing antennas, the FCC repeated its stand from a 2001 decision that state and local laws are different from CC&Rs in that the latter are agreed to voluntarily. We conclude that HFA has not presented grounds for the Commission to revisit this policy, said a letter from Scot Stone, Deputy Chief of the Wireless Telecommunication Bureau's Mobility Division. The letter also reiterated the FCC's stand that if hams are able to persuade Congress to mandate the inclusion of CC&Rs under the limited pre-emption policy commonly known as PRB-1, then the Commission would expeditiously act to fulfill its obligation thereunder.

Attention All Amateurs...

#### ARRL Aiding Effort to Mitigate Repeater Interference to Military Radars

The ARRL has been working with the US Department of Defense to develop a plan to mitigate alleged interference from 70 cm ham radio repeaters to military radar systems on both coasts. Amateur Radio is secondary to government users from 420 to 450 MHz and must not interfere with primary users. Citing an increasing number of interference complaints, the US Air Force has asked the FCC to order dozens of repeater systems to either mitigate interference to the PAVE PAWS radars or shut down. The Commission has not yet responded. The situation affects 15 repeaters within less than 100 miles of Otis Air Force Base on Cape Cod, Massachusetts, and more than 100 repeaters within some 140 miles of Beale Air Force Base near Sacramento, California. ARRL Regulatory Information Specialist Dan Henderson, N1ND, stresses that the Defense Department acknowledges Amateur Radio's value in disasters and emergencies and is being extremely cooperative and a wholesale shutdown of US 70 cm Amateur Radio activity is not in the offing.

#### DXCC Desk approves operations for DXCC credit

The ARRL DXCC Desk has approved these operations for DXCC credit: DX0JP (Spratly Islands, 2007 operation), 9M4SDX (Spratly Islands, 2007 operation), 9U9Z (Burundi, 2007 operation), YW0DX (Aves Island, 2007 operation) and 1A4A (Sovereign Military Order Of Malta, 2007 operation). For more information, visit the DXCC Web page. DXCC Frequently Asked Questions can answer most questions about the DXCC program. ARRL DX bulletins are available on the W1AW DX Bulletins page.

**RSGB & IARU Respond to 10GHz Auction**

RSGB and IARU Region-1 are continuing their defence of the 10GHz band. Their responses to the latest Ofcom consultation on the Spectrum auction can be found on the Ofcom website at <http://www.ofcom.org.uk/consult/condocs/10-40GHz/responses/> The RSGB & IARU responses are the second formal submission on this topic and continues the joint effort in conjunction with affiliated societies including AMSAT-UK, the UK Microwave Group and the British Amateur Television Group BATC. Ofcom plans would have potentially serious consequences for innovative developments by the Amateur Satellite Service.

**Amateur Radio Full Licensees --****Special Research Permits in the region of 501 kHz**

Ofcom has decided to permit a limited number of Amateur Radio Full licensees to operate under a Special Research Permit between 501 and 504 kHz for a 12 month period commencing from 1 March 2007. This follows representations made by the Radio Society of Great Britain and negotiations with the Maritime and Coastguard Agency. Special Research Permits under a Notice of Variation to the Licence may be made available to holders of Full Amateur Licences on a case by case basis to applicants who can demonstrate a genuine interest in experimentation at these frequencies and provide adequate supporting documentation for assessment. Due to the usage of the spectrum around 500 kHz, applicants should pay special attention to demonstrating technical and operational competence in terms of transmitting within the frequency and Effective Radiated Power (e.r.p.) parameters agreed with Ofcom. Previous experience at 73 kHz as well as 136 kHz will be considered desirable in this respect to ensure adequate steps are taken to limit any potential interference. Ofcom will monitor any interference reports with a view to limiting numbers in the use of the band if necessary. In general, considerably lower e.r.p. levels than that permitted in the 136 kHz band are likely to be favourable and this will only be permitted where it can be demonstrated that increased powers are necessary for research. On no account will an e.r.p. level of greater than 10 dBW be permitted under any circumstance.

**ARRL 500 kHz Experiment Logs Thousands of Activity Hours**

Experiment Coordinator Fritz Raab, W1FR, reports that a total of 16 participating stations have been active on the air since the experiment got under way in late 2006. The FCC Office of Engineering and Technology granted the WD2XSH experimental license to the ARRL last September. Raab says the low-frequency investigation has demonstrated ground-wave communication at distances of 100 miles in New England, in the Gulf Coast states and in Colorado.

**The K7RA Solar Update (Apr 13, 2007)**

So far this month we've observed nine days in a row with zero sunspots, and all of our reporting week April 5 through 11 falls within this string of inactive solar days. As noted last week, comparing that week's average sunspot number (12.9) to this week's (0) doesn't mean much when activity is so low at the bottom of this sunspot cycle. Based on predicted smoothed sunspot numbers, if this month and the next are truly the solar minimum, we should probably see several weeks in a row with no sunspots. This should cheer those hoping for more activity and a return to worldwide propagation on 10 and 15, because recent observation shows the rise of any solar cycle is more rapid than its decline and, most important, the decline of the previous cycle.

**WA7BNM Contest Calendar**

April 21

Holyland DX Contest  
ES Open HF Championship  
EU Spring Sprint

April 21-22

Michigan QSO Party  
EA QRP CW Contest  
Ontario QSO Party  
YU DX Contest

April 25

432 MHz Spring Sprint

Apr 28-29

SP DX RTTY Contest  
Helvetia Contest  
Florida QSO Party

May 5-6

10-10 Intl Spring Contest, CW  
Indiana QSO Party  
New England QSO Party

May 12

FISTS Spring Sprint

May 19-20

US Counties QSO Party, SSB

May 21

Run for the Bacon QRP

May 26-27

CQ WW WPX Contest, CW

May 27-28

MI QRP Memorial Day, CW

**ARRL DX Bulletin****SIERRA LEONE, 9L.**

Angel is QRV as 9L1DIR and has been active on 10meters SSB around 1740 to 1900z. QSL via EA4URE.

**TAIWAN, BV.**

Jimmy, BX5AA has been QRV on 20 meters using SSB around 1300z then again around 2300z.

**TAJIKISTAN, EY.**

Nodir, EY8MM has been active on 20 meters using CW and SSB from around 1600 to 1900z. QSL via K1BV.

**VATICAN, HV.**

HV0A has been active using CW and SSB on 80 and 40meters between 1830 and 2215z. QSL via IK0FVC.

**UZBEKISTAN, UK.**

Victor, UK8AKK has been active using RTTY on 20 meters around 1200z.

**CAMBODIA, XU.**

XU7MDY has been active on 17 meters around 1130z and again around 1600z. QSL via OH4MDY.

**ARRL DX Bulletin****COMOROS, D6.**

Andy, UA9XC is QRV as D69XC. His length of stay is unknown. QSL to home call. In addition, Vlad, UA4WHX is QRV as D60VB and has been active on 30 meters around 0015z. His length of stay is unknown. QSL to home call.

**LEBANON, OD.**

Salvo, IV3YIM is QRV as OD5/IV3YIM until April 30. He is usually active on 40 meters SSB around 1900z. QSL to home call.

**CHAD, TT.**

Hans is QRV as TT8HA and has been active on 15 meters SSB between 1230 and 1430z.

**IRAN, EP.**

Sadegh, EP3HF has been active on 20 and 17 meters at various times during the day.

**ETHIOPIA, ET.**

Peter, ET3BN has been active on 30, 20 and 17 meters at various times.

**FRANZ JOSEF LAND, R1FJ.**

Victor is QRV as R1FJM and has been active on 40 meters around 1530z. QSL via RX3MM.

**HONG KONG, VR2.**

Charlie, VR2XMT has been active using RTTY on 20 meters around 1300z and SSB around 1140 and 0100z.

**LAOS, XW.**

Larry is QRV as XW1A and has been active on 20 meters between 0000 and 0100z. QSL via E21EIC.

**MALAWI, 7Q.**

Vlad, UA4WHX is QRV as 7Q7VB. His length of stay is unknown. QSL to home call.

**SINGAPORE, 9V.**

Irwin, KD3TB is QRV as 9V1AP until July 31. He is active using mostly PSK31 with some SSB. QSL to home call.

**BHUTAN, A5.**

A52AM has been QRV on 17 meters around 0800z and 20meters around 0200z. QSL via JA0JHA.

**IRAN, EP.**

Mohsen, EP3SMH has been QRV on 20 meters after 1400z.

**SAUDI ARABIA, HZ.**

Manfred is QRV as HZ1IK and has been active on 12meters around 1530z. QSL via DK7YY.

**LEBANON, OD.**

John, OD5RW has been active on 20 meters using SSB around 2000z.

**PAPUA NEW GUINEA, P2.**

P29KN has been active on 30 meters around 1200z. QSL via JK1QLR.

**BRUNEI, V8.**

Ambran, V85SS has been active on 30 meters around 1300 to 1800z.

**SERBIA, YU.**

Special event station YU07HST is active until the end of the year to celebrate the upcoming 7th World High Speed Telegraphy Championship to be held in Belgrade on September 19 to 23. QSL via YU1FJK.

**DAYTON HAMVENTION**

Friday, Saturday, and Sunday, May 18, 20 Hara Arena,  
[www.hamvention.org](http://www.hamvention.org)

## HAMFESTS

**Sunday, May 6 - Hagerstown, MD.** Antietam Radio Assoc. Hagerstown Area Hamfest. Washington Co. Agricultural Educ. Center, 7313 Sharpsburg Pike, Hagerstown, MD 147.09/R, [dilbert3@earhtlink.net](mailto:dilbert3@earhtlink.net)  
301-432-2358

**Saturday, May 19th - Georgetown, DE** Sussex Technical High School ARC, S.T.A.R. Hamfest, Sussex Technical High School, 17099 County Seat Highway (Rt 9), Georgetown, a few miles west of Georgetown (use football entrance west of High School). About 30 miles (45 mins) north of Salisbury and Ocean City MD  
Opens: 7 am to 5 pm  
Contact Herb Quick, KF3BT in Seaford, DE at 302-629-4949 Talk-In: 147.075+ (PL 156.7) (Sussex ARC, KB3BHL) E-mail: [hamiltongraphics@aol.com](mailto:hamiltongraphics@aol.com)  
Cost: Free admission; Tailgating space Free, Indoor Tables \$10

**Sunday, May 27 - West Friendship, MD** MD FM Memorial Day Hamfest, Howard County Fairgrounds, Rte 144 near Rte 32, adjacent to I-70 (146.76/R, 442.000/R) 301-641-5313

**Fri, Sat, Sun, June 1,2,3: Rochester, NY** Rochester Hamfest and Computer Show Monroe Co Fairgrounds, Route 15A (146.88/R) 585-424-7184

**Sunday, June 3 - Manassass, VA** Manassass Hamfest, Prince William County Fairgrounds. 10624 Dumfries Rd (146.97/R, 442.200/R) 703-369-2877, [mblasdl@aol.com](mailto:mblasdl@aol.com)

**Sunday, June 17 -- Frederick, MD** Father's Day Hamfest, Frederick Co Fairgrounds, 1-70 at E. Patrick St, Frederick, MD 147.06/R  
<http://www.qsl.net/k3erm/hamfest.htm>

**Sunday, July 22 - West Friendship, MD** *The Famous BRATS MD Hamfest and Computer Fest.* Howard County Fairgrounds, Rte 144 near Rte 32, adjacent to I-70 (147.03/R,448.325/R) 410-461-0086 voice and fax

## VE EXAMS

### BARC VE Exams for 2007

At BARC Clubhouse, 12360 Owings Mills Blvd, Owings Mills. Registration at 1:30, exams begin at 2 PM. No one admitted after exams begin. Rusty, N3WKE; [n3wke@arrl.net](mailto:n3wke@arrl.net)  
**Saturdays:** June 2, August 4, September 1, November 3, December 1  
**Sundays:** May 6, October 7

### AERO VE EXAMS

\$14 Fee, (ARRL VEC)  
May 19; July 21; September, 29; November 17 -- White Marsh Library, 8133 Sandpiper Circle, White Marsh, Md. 21236  
Register at 1 PM, exams begin at 1:30 PM  
Pat, 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)

## milliwatt swap shop

*ads are free and get results!*

Send ad to: BRATS, P.O. Box 5915  
Baltimore, MD 21282-5915, or email  
to [w3gxx@verizon.net](mailto:w3gxx@verizon.net)

**FOR SALE:** Sylvania 6413TA 13" TV Bilingual on-screen display (English and Spanish) last-channel recall, 3-in-one remote. Price, \$50. Contact Jerry, KB3AP, 443-618-0618.

**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.

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**SUPPORT A HAM RADIO CLUB!**  
**Attend a Hamfest next Sunday**

## 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)

**Estate Sale:** SWAN 350B 80, 40, 20, 15, 10 meter 350 watt transceiver, \$ 200; SWAN SWR 1A Power Meter (2), \$ 15; Hallicrafters S-77A Receiver (Needs Work), \$ 25; Ringo 10 meter vertical (Must be removed from roof), \$50; MFJ901 Antenna Tuner, \$40. All prices negotiable. Contact Frank Stone AC3P 410-687-7209 email: [ac3p@arrl.net](mailto:ac3p@arrl.net)

**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, W3GXK, 410-786-6839 or [w3gzk@verizon.net](mailto:w3gzk@verizon.net)

**FOR SALE:** YAESU FT-1000 xcvr, 80-10 meters Kenwood speaker with tuned filter, Yaesu pedestal - mount mike, like new, \$1600 or best offer; ALSO: National SW-3 receiver and TPTG (Tuned Plate Tuned Grid) 10-Watt 1915 era Transmitter , with power supplies for both, \$300 or best offer. Call Bruce, W3UWV, 410-308-3558.

**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

**WANTED:** Your ad for this space. Send copy to [w3gzk@verizon.net](mailto:w3gzk@verizon.net)

### 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.net> 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

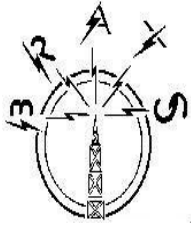
**WANTED:** AC Gilbert erector sets; old, new, large, small, need not be complete. CASH paid. Lewis, 410-296-4874

**ATTENTION:** if you do NOT want your ad to run again, please send me an email to that effect.  
Thanks! [w3gzk@verizon.net](mailto:w3gzk@verizon.net)

**WANTED:** Your ad for this space. Send copy to [w3gzk@verizon.net](mailto:w3gzk@verizon.net)

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**2007 BRATS HAMFEST SCHEDULED!**  
Sunday, July 22, 2007 at the Howard County Fairgrounds.  
Info: 410-461-0086



# the Milliwatt



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

## May 2007

### 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)

### 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 145.43/R)

Thursday, 9 PM

BRATS Net, Rotating Net Control

(Audio on 147.03/R)

Sunday, 8 PM

MATS Net, KB3LNN Net Control

(BRATS ATV and Linked FM Repeaters)

### Next BRATS Meeting

**Tuesday, May 15, 7:15 PM**

Randallstown Library, 8604 Liberty Rd

Annual elections

### 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

## 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

[www.qcwa.org](http://www.qcwa.org)

### AARC

1st and 3rd Thursdays, 7:30 PM  
Davidsonville Family Rec.

Center, Queen Anne Bridge Rd,  
Wayson Rd (147.105R)

[www.w3vpr.org](http://www.w3vpr.org)

### AMRAD

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

[www.amrad.org](http://www.amrad.org)

### BARC

1st and 3rd Wednesday, 7:30  
PM

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

[www.baltarc.com](http://www.baltarc.com)

### CARA

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

[www.columbiaara.org](http://www.columbiaara.org)

<b>BRATS Membership Renewal: Regular=\$15; Retired/Disabled/Student \$10; Family \$20</b>		
Name	Call Sign	BRATS No
Address	City/State/Zip	
Phone	Email	
<b>MAIL TO: BRATS, P.O.Box 5915, Baltimore, MD 21282-5915</b>		