



the Milliwatt



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

February, 2009

David J. Strout Sr, W2YC, #1 Triple Play

On Thursday, January 15, ARRL officials confirmed that David J. Strout Sr, W2YC, of Williamstown, New Jersey, is the recipient of the very first Triple Play Award. "Strout received the final needed confirmation ? Hawaii on phone -- just at 2004 UTC on January 15," said ARRL Information Technology Manager Jon Bloom, KE3Z. "He applied for the award at 2007 UTC, and it was issued by the Awards Branch at about 2130 UTC." The Triple Play Award is available to all amateurs who confirm contacts with each of the 50 states using three modes for each state: CW, phone and RTTY/digital. All 150 contacts must be made on or after January 1, 2009 and must be confirmed via Logbook of the World (LoTW). All bands -- with the exception of 60 meters -- may be used in pursuit of the Triple Play Award. [ARRL]

Julius Genachowski Reportedly Picked to Head FCC

Democratic sources are reporting that President-elect Barack Obama has selected Julius Genachowski, 45, a technology executive and former classmate from Harvard Law School, to lead the Federal Communications Commission. If confirmed by the Senate, Genachowski would replace current Chairman Kevin Martin.

Laura L. Smith Named to Amateur Radio Enforcement Role

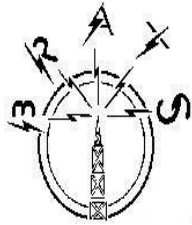
Laura L. Smith of Pennsylvania has been named by the FCC to fill the vacancy created when Riley Hollingsworth, K4ZDH, retired in 2008 as Special Counsel for the Spectrum Enforcement Division of the FCC's Enforcement Bureau. Hollingsworth served in that position for more than 10 years as the FCC's enforcement watchdog over the Amateur Radio Service.

FCC Commissioners: Now There Are Four

The term of FCC Commissioner Deborah Taylor Tate, a Republican from Tennessee, came to an end on January 3 as the 111th Congress convened for the first time. Originally selected by President Bush to fill the unexpired term of then-Chairman Michael Powell, Tate joined the Commission in 2005. In June 2007, Bush announced his intention to nominate Tate to a full five year term, but when the Senate failed to confirm her nomination by the close of the 110th Congress, Tate's tenure as a Commissioner came to a close.

Foundation for Amateur Radio Invites Scholarship Applications

The non-profit Foundation for Amateur Radio (FAR) is now accepting applications for 48 scholarship for the academic year 2009-2010 to assist radio amateurs pursuing higher education. Amateur Radio licensees pursuing a full-time course of study beyond high school and accepted by or enrolled in an accredited university, college or technical school are eligible to apply. Scholarship grants range from \$500 to \$5000, More information and an application form may be requested by letter via e-mail or by sending a QSL card postmarked prior to March 30, 2009, to FAR Scholarships, PO Box 831, Riverdale, MD 20738. The application deadline is May 1, 2009.



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The award-winning monthly publication of The BRATS.

Items herein may be reprinted with credit.

Mayer D. Zimmerman, W3GXX, Editor

Some Thoughts

Now that we have a new President, hopefully we will have an improvement in the economy, in the country in general and in ham radio in particular. Hopefully the new FCC Chairman will continue to oversee the enforcement of ham radio regulations and let us have some additional spectrum. And hopefully, we will have greater attendance at BRATS meetings and another successful hamfest this year! But only if you join with us and help out...

73, Mayer, W3GXX

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

InfoLine: 410- 461-1212

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

President: Ed Rosen, N3GXH

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Vice Chairman, Operations: Ian Millet, N3CVA

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 12/10:

W3ZQI, KB3LJM, K2GZL

Regular BRATS Meetings

3rd Tuesday of each month, 7:15 PM

Pikesville Library, 1301 Reisterstown Rd

Next BRATS Meeting

Tuesday, February 17, 7:15 PM

Pikesville Library

1301 Reisterstown Road, Pikesville

Please Plan to Join Us!

Rewind - The Russian Woodpecker

The Russian Woodpecker was a notorious Soviet signal that was heard on the shortwave radio bands worldwide between July 1976 and December 1989. It sounded like a sharp, repetitive tapping noise, at 10 Hz, giving rise to the "Woodpecker" name. The random frequency hops disrupted legitimate broadcast, amateur radio, and utility transmissions and resulted in thousands of complaints by many countries worldwide. The signal was long believed to be that of an over-the-horizon radar (OTH) system. This theory was publicly confirmed after the fall of the Soviet Union, and is now known to be the Duga-3 system, part of the Soviet ABM early-warning network.

The Appearance Of The Woodpecker

Starting in 1976 a new and powerful radio signal was detected worldwide, and quickly dubbed the Woodpecker by radio amateurs. Transmission power on some woodpecker transmitters was estimated to be as high as 10 MW EIRP. As well as disrupting shortwave amateur radio and broadcasting it could sometimes be heard over telephone circuits due to the strength of the signals. This led to a thriving industry of "Woodpecker filters" and noise blankers. One idea radio amateurs had to combat this interference was to attempt to "jam" the signal by transmitting synchronized unmodulated continuous wave signals, at the same pulse rate as the offending signal. This idea was considered, but abandoned as impractical. Simple CW pulses didn't appear to have any effect. However, playing back recordings of the woodpecker transmissions sometimes caused the woodpecker transmissions to shift frequency leading to speculation that the receiving stations were able to differentiate between the "signature" waveform of the woodpecker transmissions and a simple pulsed carrier.

Identification Of The Woodpecker

Triangulation quickly revealed the signals to come from Ukraine. Confusion due to small differences in the reports being made from various military sources led to the site being alternatively located near Kiev, Minsk, Chernobyl, Gomel or Chernihiv. All of these reports were describing the same deployment, with the transmitter only a few kilometers southwest of Chernobyl (south of Minsk, northwest of Kiev) and the receiver about 50 km northwest of Chernobyl (just west of Chernihiv, south of Gomel). Unknown to most observers, NATO was well aware of the new radar installation, which they referred to as Steel Yard. Even from the earliest reports, it was suspected they were tests of an over-the-horizon radar and this remained the most popular theory during the cold war. Several other theories were floated as well, including everything from jamming western broadcasts to submarine communications. The broadcast jamming theory was debunked early on when a monitoring survey showed that Radio Moscow and other pro-Soviet stations were just as badly affected by woodpecker interference as Western stations. More speculative explanations were also offered, claiming it was a system for weather control or even an attempt at mass subconscious mind control. As more information about the signal became available, its purpose as a radar signal became increasingly obvious. In particular, its signal contained a clearly recognizable structure in each pulse, which was eventually identified as a 31-bit pseudo-random binary sequence, with a bit-width of 100 μ s resulting in a 3.1 ms pulse. This sequence is usable for a 100 μ s chirped pulse amplification system, giving a resolution of 15 km (10 mi) (the distance light travels in 50 μ s). When a second Woodpecker appeared, this one located in eastern Russia but also pointed toward the US and covering blank spots in the first system's pattern, this conclusion became inescapable. In 1988, the Federal Communications Commission conducted a study on the Woodpecker signal. Data analysis showed an inter-pulse period of about 90 ms, a frequency range of 7 to 19 MHz, a bandwidth of 0.02 to 0.8 MHz, and typical transmission time of 7 minutes.

Disappearance Of The Woodpecker

Starting in the late 1980s, even as the FCC was publishing studies of the signal, the signals became less frequent, and in 1989 disappeared altogether. Today Google Map photography of the area shows that the antenna has been removed. The original Duga-3 site lies within the 30 kilometer Zone of Alienation around the Chernobyl power plant. It appears to have been permanently deactivated, since their continued maintenance did not figure in the negotiations between Russia and Ukraine over the active early warning radars at Mukachevo and Sevastopol. The antenna still stands, however, and has been reported to have been used by amateurs as a transmission tower (using their own antennas) and has been extensively photographed. Text from http://en.wikipedia.org/wiki/Russian_Woodpecker Further pictures and information available from <http://www.artificialowl.net/2008/12/abandoned-giant-duga-3-system-antenna.html> [wia]

SWITZERLAND ALLOCATES 6 METERS TO HAM RADIO ON JANUARY 1

Some good news for hams in Switzerland. Swiss telecommunications authorities will allocate the 50 MHz band to amateur radio on a secondary basis beginning January 1, 2009. Swiss and foreign CEPT class licensees will be permitted to transmit with up to 100 watts PEP on 50 to 52 MHz without any antenna restrictions. The one caveat is that primary users may not be disturbed. This includes some TV stations active on the VHF band I in Northern Italy. (Southgate)

SOUTH AFRICA TO HOST 2011 IARU REGION 1 CONFERENCE

Sun City in South Africa will host the next IARU Region 1 Conference in 2011. The Deutscher Amateur Radio Club website reports that the IARU Region 1 Conference meeting in Cavtat, Croatia held a ballot to choose the venue for 2011. Of the 47 votes cast, there were 22 to Sun City, 15 to Malaga and 10 votes to Hatfield. According to the DARC's website, newly elected secretary Dennis Green, ZS4BS was visibly surprised. He's quoted as saying that the delegates would be welcome in South Africa.

HONG KONG TO FINE AND JAIL ILLEGAL CB OPERATORS

Operate a CB radio in Hong Kong without a license or run to much power and you may go to jail. That's the essence of the warning from the Hong Kong's Office of the Telecommunications Authority which has mounted an enforcement operation against the citizens radio operators which suspected of using illegal transmitters. Under Hong King law it is unlawful for any person to establish or maintain any means of telecommunications without an appropriate license. If convicted of this kind of an offense he or she is liable to a maximum penalty of a 100,000 Hong Kong Dollar fine and five years in jail. Hong Kong's Office of the Telecommunications Authority that it intends to enforce the law to ensure proper management of radio spectrum which calls a valuable public resource. (AR Newslines)

ON THE AIR: TONGA TO VK - ON 6 METERS

Some 6 meter history was made on December 26th. This, when Paul Kidd, A35RK, on Lifuka Island, Tonga, twice contacted Colin Clark, VK4CC in Slacks Creek, Queensland, Australia on the 50 MHz band. The first QSO took place at 01:27 UTC with both stations running in the PK 31 digital mod. They then switched to RTTY at 01:29 and completed a contact using that mode as well. According to the Ohio Penn DX News, this is the first time it has ever been done on 6 meters between the two locations. (OPDX) (AR Newslines)

Special Event Prefix callsign approved in Canada

The use of a Special Event Prefix callsign has been approved by Industry Canada and can be used by all Canadian Radio Amateurs. It commemorates Galileo's first use of an optical telescope and the subsequent discoveries he made in his lifetime. Until 28 February, all Canadian amateur radio operators may use special prefixes, where VE changes to CG, VA changes to CF, VO changes to CH and VY changes to CI. [RSGB]

Desecheo Island DXpedition Granted Call Sign

The DXpedition to Desecheo Island -- February 12-26 --will use call sign K5D. "As soon as we land on Desecheo, two stations will be immediately activated," said DXpedition co-leader Bob Allphin, K4UEE. Stations will continue to operate until the final moments of departure on February 26."

WA7BNM Contest Calendar

Feb 7-8

Vermont QSO Party
10-10 Int'l Winter Contest, SSB
Mexico RTTY Int'l Contest

Feb 7-9

Delaware QSO Party

Feb 7

Minnesota QSO Party
AGCW Straight Key Party

Feb 8

North American Sprint, CW

Feb 14-15

CQ WW RTTY WPX Contest
SARL Field day Contest
Dutch PACC Contest

Feb 14

Asia-Pacific Spring Sprint, CW
FISTS Winter Sprint

Feb 15

North American Sprint, SSB

Feb 16

Run for the Bacon QRP Contest

Feb 21-22

ARRL Int'l DX Contest, CW
REF Contest, SSB
UBA DX Contest, CW

Feb 22

High Speed Club CW Contest

Feb 27-March 1

CQ 160 Meter Contest, SSB

Feb 28-March 1

NA QSO Party, RTTY

(Thanks, Bruce, WA7BNM)

NEW CALEDONIA, FK.

Sam is QRV as FK8DD and has been active on 20 meters around 0900z. QSL via LZ1JZ.

LITHUANIA, LY.

To mark the Millennium of Lithuania, a number of club members are QRV with the prefix LY1000 until March 1. Activity is on all bands and modes. QSL via operators' instructions. .

MOUNT ATHOS, SV/A.

Monk Apollo, SV2ASP/A, has been QRV on 160 meters around 0530 to 0630z on various days. QSL direct.

BERMUDA, VP9.

In celebration of the 400th anniversary of the settlement of Bermuda by Sir George Somers, members of the Radio Society of Bermuda will be QRV as VP9400/xx. The xx suffix is the operator's callsign suffix. QSL via operators' instructions.

ARRL DX Bulletin**WEST MALAYSIA, 9M2.**

Dani, EA4ATI is QRV as 9M2TI from Kuala Lumpur and is here for about one year. Activity is on 40, 20, 15 and 10 meters using CW and SSB. This includes entries in the upcoming main international contests. QSL to home call.

ANDORRA, C3.

Salvatore is QRV as C31CT and has been active on 30 meters from around 1100 to 1130z. QSL via EA3QS.

DJIBOUTI, J2.

Jean-Claude is QRV as J28JA and has been active on 20 meters around 1900z. QSL via F5JFU.

CHAD, TT.

Sylvain, F6CIS is QRV as TT8SK and may be here from six months to three years. Activity is on all bands during his spare time. QSL via F5OZF.

COTE d'IVOIRE, TU.

Phil, F4EGS is QRV as TU8/home call from Abidjan until the end of February 2009 while on work assignment. Activity is mostly on 160 and 80 meters but he will also try the other HF bands using CW, SSB and RTTY. QSL to home call.

UGANDA, 5X.

Peter is QRV as 5X4X until June while working as development aid worker in Arua. Activity is on 40 to 10 meters generally before 2000z. QSL via DF5GQ.

LIBERIA, EL.

Ashley, EL2AR has been active on 15 meters around 1730 to 1815z. He hopes to be active on 80 and 40 meters soon. QSL via EL2BA.

IRAN, EP.

Mohsen, EP3SMH has been active on 20 meters using RTTY around 1330z and SSB around 0800z.

CROZET ISLANDS, FT/W.

Florentin is QRV as FT5WO currently from Alfred Faure Station on Possession Island, IOTA AF-008, and has been active on 20 meters generally around 1700z. QSL via F4DYW.

GUINEA-BISSAU, J5.

Peter is QRV as J5UAP and has been QRV on 17 meters using SSB from around 1000 to 1200z. He has also been active using RTTY. QSL via HA3AUI.

BANABA ISLAND, T33.

Udo, DL9HCU is currently active as T33HC. QSL to home call.

VIET NAM, XV.

Mike, OM2DX is QRV as XV9DX and 3W1M while working for the Slovak Republic Embassy. He is here for three years. Activity is on all bands using CW, SSB and various digital modes. QSL via OM3JW.

VANUATU, YJ.

Ted, VK2EZQ is QRV as YJ0AZQ from Aneityum Island, IOTA OC-035. Activity is on 80 to 10 meters. QSL to home call.

UGANDA, 5X.

Peter, DL8SBQ is QRV as 5X4X from Arua until June. Activity is on 40 to 10 meters using SSB. He is active up until 2000z each day. QSL via DF5GQ.

DOMINICA, J7.

Seth, SM0CCM will be QRV as J79XBI from January 17 to April 1 while on holiday. Activity will be on the HF bands using only SSB. QSL via SM0XBI.

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

Feb 22, 2009: Winterfest,
Northern VA Community College, 8333 Little River Tpke,
Annandale, VA by Vienna Wireless Socieity, 703-534-2081
146.79/R; 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;
443-590-1444

April 4 - Georgetown, Del.
Sussex ARC Hamfest - Sussex Tech. H.S. 17099 Route 9,
Georgetown, De (147.075+) 302-629-4949

April 18 - York, PA.
York Spring Hamfest Brookside Park , 4054 Fox Run Rd.
(147.33, PL 123.0) 717-292-3529

BRATS HAMFEST Sunday, July 19, 2009 Howard County Fairgrounds

Next BRATS Meeting
Tuesday, February 17, 7:15 PM at the Pikesville Library,
1301 Reisterstown Road.

ARRL 500 kHz Experiment Shows Increased Activity
In the [500 kHz Experiment](#) quarterly report for the period
ending November 2008, Experiment Coordinator Fritz
Raab, W1FR, reported that 21 participating stations are
currently active since the experiment began in late 2006.
The FCC's Office of Engineering and Technology [granted](#)
[the WD2XSH experimental license](#) to the ARRL in
September of that year. The FCC has issued six
experimental licenses for 500 kHz: WD2XSH, WE2XGR,
WD2XFF, WE2XPQ, WE2XTT and WE2XVY.

March Special Event
March 13-14: 22nd Annual Winter SWL Fest
The Inn at Towamencin in Kulpville, PA, 30 minutes north
of Philadelphia. <http://www.swlfest.com>

VE EXAMS

BARC VE EXAMS for 2009
12360 Owings Mills Blvd. Owings Mills
Register: 1:30 PM, Exams begin 2 PM.
No one admitted after exams begin

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

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;

March 21, 2009

Pat Stone, AC3F, 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)

Satellite Shorts From All Over

- SatMagazine, a free web based magazine is available on-line at:
http://www.satmagazine.com/cgi-bin/display_edition.cgi
This month's issue is dedicated to Cubesats.
AMSAT and Amateur Radio are mentioned.
- The first English issue of the free electronic Amateur Radio magazine Ham-Mag is now available and features an article on working satellites with your HT by K6LCS. The first issue can be downloaded from the magazine's website at <http://www.ham-mag.com/> and if you subscribe (free) the magazine will be emailed to you each month.
- Information about the Southeastern VHF Society Conference April 24-25 in Charlotte, NC can be found at: http://www.w4dex.com/svhfs_2009.htm

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

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

FOR SALE: Icom 144 MHZ transceiver W/charger (ICOM T2H walky), belt clip and rubber ducky, & instruction book. Asking \$80.00. K3BCD, e-mail vwm07@comcast.net or 410-866-5441.

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

WANTED: Keyboard-driven CW keyer such as MFJ-451 (or equivalent) to connect to typical HF rig. Also interested in narrow filter for Kenwood TS-570SG, e.g. 250 hz. such as Kenwood P/N YK-88CN-1 Neil, W3ZQI, 410-765-8439, days, or neilatv@yahoo.com

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

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

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

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!!!

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

Antique Radio Repair, Restoration

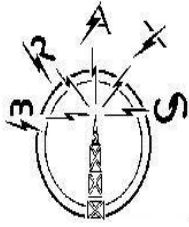
Eric, WA3TAD, Audio-Visual Service / Retro Radio, 3401 Chestnut Avenue, Baltimore, MD 21211. 410-467-3620;
wa3tad@comcast.net

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



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The Baltimore Radio Amateur Television Society
P.O.Box 5915 Baltimore, MD 21282-5915

February 2009

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)

UTAH ATV

Lots of projects and links:

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, February 17, 7:15 PM

Pikesville Library

1301 Reisterstown Road

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
