



the Milliwatt



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

October, 2008

Pioneer Wilmington, N.C., flips switch to all-digital TV

So far, the picture is clear: Wilmington, N.C., on Monday became the USA's first all-digital TV market. Early next year, the rest of the country will follow.

The Federal Communications Commission, overseeing the nationwide conversion, says it will take a few days, at least, to gauge success. But early signs are good, says FCC Chairman Kevin Martin. "Technically, the conversion we did today occurred successfully," says Martin, who flipped a symbolic "switch" in Wilmington to mark the occasion.

You'll get no argument from Sabrina Vigliotti, one of 180,000 residents affected. She says she used to get about five channels on her 10-year-old TV, "and three of them were snowy." Now, "The picture is so much brighter, and there are so many more channels," about 10 in all. "I'm elated." Digital TV, or DTV, is an advanced broadcast technology that offers consumers better picture and sound quality, as well as interactive and multicasting options.

The rest of the country will follow Wilmington at midnight on Feb. 17. Once the conversion is complete, TVs that use "rabbit ears" to receive over-the-air broadcasts won't work unless they're equipped with digital-to-analog converter boxes. Boxes cost \$40 to \$80, on average.

The government is offering \$40 coupons two per household to offset costs. (For more information, go to www.dtv2009.gov.) Cable and satellite service won't be affected.

That's not to say that analog dies entirely. Several thousand "low-power" TV stations are exempt from the switch. Even so, some of those TV stations are voluntarily making the jump to digital, the FCC says.

Eager to learn from Wilmington, the FCC has set up a consumer hotline. It also is paying local fire departments \$15 per converter box to help residents who have difficulty installing digital gear.

By late Monday, the hotline had received a few hundred calls. Problem areas included general TV setup. TVs must be on channel 3 or 4 to work, depending on the converter box. Antenna questions were common. With a few exceptions, all digital channels are UHF (ultra high frequency), not VHF (very high frequency), so if a consumer has an antenna that won't get UHF, that's a problem.

The FCC says its outreach efforts are focused on those who might need more assistance, including seniors.

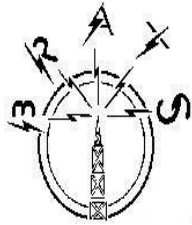
The conversion was ordered by Congress, which wanted to reclaim the airwaves used by broadcasters given to them for free decades ago so that the spectrum could be auctioned off and used for other things, such as public safety and mobile data transmission. That auction, which occurred earlier this year, raised more than \$20 billion.

ARRL Sets up E-mail Addresses for Use During Hurricanes, Tropical Storms

In an effort to streamline hurricane support operations at ARRL Headquarters, the League has set up two e-mail addresses for hams to pose questions or relay non-emergent information to HQ Staff relating to hurricane or named tropical storm events. If you need to communicate with ARRL HQ regarding these storms, please use hurricane@arrl.org or hurricane@arrl.net. While these e-mail addresses are not monitored on a 24/7 basis, they are monitored during each storm's descent on the US, as well as throughout the hurricane season.

60 Years of ATV

Ian Waters, G3KKD, has been involved in ATV for 60 years and in his video on the BATC TC website, he reflects on how ATV has changed. Go to www.batc.tv and click on film archives, then use the select drop down menu to watch the video. [RSGB]



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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

Thanks to all who helped with the repeater tests during late September. We would also like to see some more people show up at BRATS meetings and have a say in how the club is run, and how you can help improve everything they do for you. We cannot do it without YOU!

See you at the next meeting!

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

Vice Pres: Edward Koritzer, N3DGY

Secretary: Mayer D. Zimmerman, W3GXX

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Vice Chairman, Technical: Mike Dees, N3EZD

Vice Chairman, Operations: Ian Millet, N3CVA

BRATS Repeaters

BRATS Linked Repeater System:

WB3DZO: 147.03+, 224.96-, 448.325-

BRATS Stand-alone repeaters:

443.350+

BRATS Packet Network Nodes

W3GXT-5 145.05

W3GXT-10 224.52

BRATS ATV Repeater System:

W3WCQ: inputs: 426.25, 1253.25

outputs: 439.25, 911.25

BRATS Weekly Nets

Mon 9 pm Traffic and Info Net, W3GXX

Tues 11:45 Informal ATV Net, W3WVV

Tues 9 pm BRATS Horsetraders Net, Grant, KA3CEA

Wed 9 pm CATS ATV Net

Thurs 9 pm BRATS ATV Net

Sat 1 pm Weekly News Bulletin, W3GXX

Sat 1:20 The BRATS Answer Men: KB3JQQ

Sun 8 pm MATS ATV Net

As needed Weather/Emergency Net, Skywarn

BRATS Board of Directors

Through 12/09:

KA3IDB, KB3FIF, K0RYX

Through 12/08:

W3ZQI, KB3LJM, K2GZY

Regular BRATS Meetings

3rd Tuesday of each month, 7:15 PM

Pikesville Library, 1301 Reisterstown Rd

Next BRATS Meeting

Tuesday, October 21, 7:15 PM

Pikesville Library

1301 Reisterstown Road, Pikesville

RESTRUCTURING: AUSTRALIA TO GET NEW FREQUENCY ALLOCATION PLAN

The Australian Communications and Media Authority has released a draft of a new Spectrum Plan for public comment. When completed, the new Spectrum Plan is intended to replace the current Spectrum Plan developed in January 2005. Go to the ACMA web page to "read all about it", but in brief proposed changes to the plan will provide: Protection of space research activities while allowing the use of new high data-rate meteorology satellite services; Upgrade of the radiolocation service to primary and allocating additional spectrum to the existing space research activities; Sharing between the mobile-satellite service and space research services and between the mobile-satellite service and mobile service; Improvements to the satellite coordination and notification procedures; Spectrum harmonization between space services and future terrestrial services. Sharing arrangements between the fixed service and satellite systems using highly inclined orbits; and Spectrum compatibility between the radio astronomy service and the active space services. The proposed changes are scheduled to take effect on January 1st 2009. (WIA News)

NOAA Website

For those participating in SKYWARN or have an interest in severe weather:

Sarah Ragowski at the National Weather Service's Baltimore/Washington Forecast Office announced that the Fall 2008 edition of the Sterling Reporter (newsletter of NOAA's Baltimore/Washington National Weather Service Weather Forecast Office) is available at their website at: http://www.erh.noaa.gov/lwx/reporter/fall_2008.pdf

This issue covers the Forecast Office Move at Dulles Airport and an Open House on October 18th and 19th.

AO-51

AO-51 continues to wow the satellite community. It is now being used as a test bed for Earth stations. Since it is being commanded into S downlinks and L uplinks, it's your chance to test out the downconverters and upconverters you've been planning to set up. "Recently, AO-51 was off the air due to a software glitch. The command team has successfully reloaded its operational software and as of 8/30/08 has been back in service. Gould, WA4SXM for the AO-51 Command team Kevin, WA6FWF Drew, KO4MA" You can check the current mode of AO-51 at <http://www.amsat.org/amsat-new/echo/CTNews.php> If you think a certain mode should be used, contact the command team and make a suggestion. They are always looking for input as well as feedback about satellite ops.

The September/October QEX Is Here

The September/October issue of QEX is out, and it is full of theoretical and practical technical articles that you don't want to miss. In this issue, Mark Spencer, WA8SME, describes a VLF receiver system that automatically logs received signal data so we can learn about some propagation conditions such as sudden ionospheric disturbances during Solar Cycle 24 in "SID: Study Cycle 24, Don't Just Use It." Phil Anderson, W0XI, gives us a detailed analysis of crystal set receiver circuitry in "A Great Teacher: The Crystal Set." Bertrand Zauhar, VE2ZAZ, brings us another great project that goes well beyond a simple battery charger with his "Rechargeable Battery 'Cycler.'" Jim Kocsis, WA9PYH, presents "Press-n-Peel Circuit Boards," a simple, reliable way to make your own circuit boards using Techniks, Inc Press-n-Peel Blue etch-resist material. Henry J. Rech offers some thoughts about, "Receiver Performance Measurement and Front End Selectivity," and Frank Witt, AI1H, describes "Optimum Lossy Broadband Matching Networks for Resonant Antennas," in this reprint of an April 1990 RF Design article. Would you like to write for QEX? It pays \$50 per printed page. Be sure to check out the Authors Guide for more information. If you prefer postal mail, please send a business-size self-addressed, stamped envelope to QEX Authors Guide, c/o Maty Weinberg, ARRL, 225 Main St, Newington, CT 06111-1494.

Las Vegas Star Trek exhibit closing after 10 year run

Renewing their wedding vows on the bridge of the starship Enterprise, Karen and Eric Klein heard from a Federation captain that "the energy between them created their love."

Like the Kleins, thousands of fans of the "Star Trek" movie and television franchise are converging on Las Vegas to send off the 10-year-old attraction Star Trek: The Experience, which closes Monday with a decommissioning ceremony.

"He had his own schtick, and it was very beautiful, and it actually made the moment even that much better," said Eric Klein, 39, still holding his wife's hand outside the gift shop. "It wasn't simply being on the bridge, it really felt very emotional."

The Las Vegas attraction has drawn more than 3 million visitors since it opened in 1998, as many as 2,000 per hour, a spokesman said. It offers a place to inhabit all six versions of a television franchise that spanned almost four decades and spawned 10 movies. Trekkies have long attended annual conventions, but many feel a special affinity with the Experience.

"We've got people flying in from all over the world," said Chad Boutte, the attraction's spokesman.

Visitors get to quiz employees dressed as aliens on the mythologies of their worlds. They also can pay \$49.99 to enjoy two virtual rides and check out the Museum of the Future, which includes costumes, "phasers" and Mr. Spock's coffin, as seen in "Star Trek II: The Wrath of Khan."

Some are coming this week to be "beamed up" and walk the halls of the ship from "Star Trek: The Next Generation" one last time. Others seek a final encounter with the Borg, the show's race of organic robot aliens. And still others just want to share a farewell drink—likely a stiff, rum-based Warp Core Breach—with fellow fans.

The Kleins, from Easton, Pa., about 70 miles west of New York, had planned to renew their vows on their 10th anniversary but came four years early.

"Because they were closing, we decided to do it now," said Karen Klein, 38. "It's really a shame. And from the people we talk to, staff and people alike, it seems that everybody's kind of puzzled why it's closing, because it seems very popular."

Indeed, the television shows are still in syndication, and another movie, a prequel called "Star Trek," is due in theaters in eight months. And the Experience stands out even in a city packed with acrobats, comedians, magicians and musicians.

But the attraction's owner, Cedar Fair Entertainment Co., and the Las Vegas Hilton, its landlord, couldn't agree on terms for a new lease. The two worked as a typical landlord and retail tenant, with Cedar Fair keeping all revenue from the attraction, said hotel spokesman Ira David Sternberg. Trekkies are incensed. They've scrawled reminiscences about the exhibit and laments about losing it in notes on walls inside the attraction. They're calling the hotel and exhibit offices to complain.

And their online message boards are rife with speculation on what will happen to the Experience and the space it occupied. The most popular rumor unfounded, Sternberg said—is that the space will be refurbished as a theater for pop star Michael Jackson.

Sternberg said officials don't know yet how the space will be used. The lease ends Dec. 31, but it will take four months to disassemble the model ships, strip away the starry sky and return the props-turned-artifacts to Paramount Pictures Corp., which owns the franchise.

"There's a tremendous amount of sadness, as you can imagine. This is a place that no one wants to end, including our employees," Boutte said. "It goes beyond just a great group of staff. It's a group of people who've invested everything they had to make this as realistic and special as possible." The exhibit folds itself into the mythology of the show, calling itself a "21st-century time station" used to transport personnel and equipment to and from the late 24th century. The story is that the Experience lets folks of the future meet and study many human cultures in a single place where they often converge.

The Las Vegas Hilton, which runs a space-themed casino just outside the attraction, has invested more than \$100 million since 2004 to rejuvenate a property that had been "lying stagnant," Sternberg said. The lobby, guest rooms, sports book and entertainment all have been upgraded, he said.

Next year's Star Trek convention—run by Creation Entertainment, which puts on several other similar events—will take place at the Hilton, but a deal has not been reached for 2010.

Boutte said he's receiving calls—25 in a single day this week, he said—from people interested in buying some or all of the Experience and reopening it elsewhere.

"We had to come in one more time before it went away," said visitor Ruth Acres, 48, of Houston, who has toured the exhibit several times since 2005 and spent six days at the attraction on her final trip.

She first visited only because a friend recommended the Warp Core Breach drink at Quark's, the attraction's restaurant—named after the star base hotspot on "Star Trek: Deep Space Nine."

"We were just crying, we were so sad. We come to this hotel for this," Acres said.

WA7BNM Contest Calendar

- Sept. 27-28
CQ WW DX Contest, RTTY
Texas QSO Party
- Oct. 2
SARL 80m QSO Party
- Oct. 4
TARA PSK Rumble
EU Autumn Sprint, SSB
- Oct 4-5
California QSO Party
- Oct. 10
10-10 Int 10-10 Day Sprint
- Oct 11-12
Markrothen RTTY Contest
Pennsylvania QSO Party
- Oct 11
EU Autumn Sprint, CW
FISTS Fall Sprint
- Oct 12
NA Sprint, RTTY
- Oct 18-19
Worked All Germany Contest
- Oct 19
Asia-Pacific Fall Sprint, CW
- Oct 19-20
Illinois QSO Party
- Oct 20
Run for the Bacon QRP Contest
- Oct. 25-26
CQ WW DX Contest, SSB
10-10 Int fall Contest
- Nov. 1-2
Ukrainian DX Contest
- Nov 1-3
ARRL Sweepstakes , CW
- Nov 2
High Speed Club CW Contest
DARC 10-Meter Digital Contest

(Thanks, Bruce, WA7BNM)

How Do I Become a Member of BRATS?

It's very easy. Just fill out the form on the back page, and mail it to us with a check, payable to BRATS. Dues are \$15 regular; \$20 family; \$10 retired/disabled/student. Mail to: BRATS, PO Box 5915, Baltimore, MD, 21282-5915

ARRL DX Bulletin**NAMIBIA, V5.**

Gus is QRV as V51XG and has been active on 80 meters around 2345z and then around 0145z. QSL via DL8AL.

THAILAND, HS.

Chai, E20WXA has been QRV on 20 meters around 1300z.

FRANZ JOSEF ISLANDS, R1FJ.

Jack is QRV as R1FJT and has been active on 40 meters around 0030z. QSL via UA4RC.

ASIATIC RUSSIA.

A team of operators plan to be QRV as UE0MAC/0, UA6LP/0 and RZ6MZ/0 from Vrangal Island, IOTA AS-027, beginning the end of August. Their length of stay is unknown and dependent on the Arctic weather.

IRAN, EP

Mohammed, EP4MRG has been active on 20 meters around 0500 and then 1645z

ASIATIC RUSSIA, UA0

Serge, UA9MC has been active on 30 meters around 0130z. QSL direct

NAMIBIA, V5

Gus, V51XG has been active on 30 meters around 2100z

MALDIVES, 8Q.

8Q7KK has been active on 20 meters using RTTY around 1000z. QSL via DL1BKK.

PAKISTAN, AP.

Tariq, AP2TN has been active on 30 meters around 1530z. QSL via DJ9ZB.

ANGOLA, D2.

Father Gabriele, D2EB is back here and has been active using CW and SSB on all bands, including 6 meters, at various times. QSL via IZ3ETU.

TEMOTU PROVINCE, H40.

Mike, KM9D and Jan, KF4TUG will be QRV as H40MY from Vanikolo, IOTA OC-163. QSL via OM2SA.

BENIN, TY.

Romano, TY5ZR has been active on 30 meters around 2200z. QSL via IK2IQD.

CANADA, VE.

Michael, VE2XB/VY0 is QRV from Nunavut, Southampton Island, IOTA NA-007, until the end of 2008. QSL to home call.

ARRL Presents New Membership Benefit

With just a mouse click or two, ARRL members can now access the online QST magazine archive. This new benefit -- a service of the ARRL Technical Information Service (TIS) -- provides PDF copies of all QST articles from December 1915 through December 2004, enabling members to view and print their favorite article, project and more. For many years, the TIS has provided members with assistance researching ARRL periodicals and publications, as well as providing members and non-members with article reprints for a small fee. Access to the new online digital QST archive is free for ARRL members

When is the next meeting?

The BRATS meet on the 3rd Tuesday of each month at the Pikesville Library, 1301 Reisterstown Road, just inside the Baltimore Beltway (695) in Pikesville at 7:15 PM.

VE EXAMS

Hamfests and Events

Sunday, October 5: W. Friendship, MD
CARAFest 2008, Howard Co. Fairground (410) 552-2632;
<http://www.carafest.org>

Sunday, October 26: Westminster, MD
Mason-Dixon Hamfest at Carroll Co. Agr. Center, off Rte.
32, Westminster, MD <http://www.qis.net/~k3pzn>;
145.410/R

Next BRATS Meeting
Tuesday, October 21, 7:15 PM at the Pikesville Library,
1301 Reisterstown Road.
Please plan to join us!

Interesting Airport News

OAKLAND: Coming later this month: Free Wi-Fi

Oakland International will begin offering free Wi-Fi in its terminals later this month. The starting date hasn't been determined. The airport will generate revenue by selling online ads. Its current service costs \$7.95 a day.

SEATTLE Goats and sheep chow down on weeds

Seattle-Tacoma has unleashed a herd of goats and sheep to graze on its property as an environmentally friendly way to eliminate weeds. The goats are being tested specifically to see if they can assist in grooming steep slopes and other hard-to-reach areas. The goats are contracted through local company Goat Trimmers, which uses rescued sheep and goats. "Hate blackberry bushes? You may not love them, but our goats do! They're also hungry for thistle, weeds and other invasive plants," Goat Trimmers' website says.

ST. LOUIS Rocking chairs rock, so Lambert to add more

A year after introducing 70 rocking chairs throughout its gate seating areas, St. Louis Lambert says it will add 60 more. Rocking chairs are becoming more common at airports throughout the country, as terminals are trying to add more passenger-friendly amenities. St. Louis says the chairs have been so popular that it's often difficult for fliers to find a vacant one.

Airport Check-in: Cellphones used as boarding passes

Air France has launched electronic boarding passes on mobile phones for passengers on the Paris Charles de Gaulle-Amsterdam Schiphol route. Passengers who check in via its mobile Internet site mobile.airfrance.com can elect to receive their boarding-pass barcode as a text message or e-mail on their smartphones. Passengers then display their boarding pass to agents to check in baggage, proceed through security checkpoints and board the flight.

BARC VE EXAMS for 2008

12360 Owings Mills Blvd. Owings Mills Register: 1:30 PM, Exams begin 2 PM. No one admitted after exams begin

Saturdays: Nov 2, Dec 1.

Sundays: Oct. 5. n3wke@arrl.net (Thanks, N3YI)

2008 AERO VE EXAMS

Registration at 1 PM, Exams at 1:30.

Fee \$14 (ARRL VEC); All exams at White Marsh Library, 8133 Sandpiper Circle; Nov. 22. Pat Stone, AC3F, ac3f@juno.com, 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 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!!!

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: 6-meter all mode transceiver Kenwood TS 600 or equivalent, Neil, W3ZQL, DAYS: 410-765-8439 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: 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! You remove! TV grade 30-35 foot tower in New Market, MD (off I-70). Dennis 410-842-3336. dennis.kinsel@ngc.com

VTS - VIDEOTAPING SERVICE

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

JADE COMPUTERS, LLC

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

Antique Radio Repair, Restoration

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

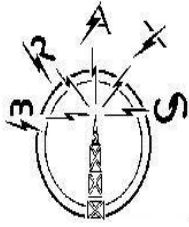
Radio Consignment Shop at Overlea Hobbies

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

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



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October 2008

PUBLIC SERVICE

Baltimore Marathon

Saturday, October 11, Starting and ending at M&T Bank Stadium; Contact Ian, N3CVA at 410-303-1412 or nc3va@hotmail.com

LOCAL ATV NETS

Tuesday, 11:45 AM

Informal Net, W3WVV (Audio on 147.03/R)

Wednesday, 9 PM

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

Thursday, 9 PM

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

Sunday

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

UTAH ATV

Lots of projects and links:

http://www.ussc.com/~uarc/utah_atv/utah_atv.html
(Thanks, Scott, KB3JQQ)

Interesting Web Site

British Amateur Television Club (BATC)
<http://www.batc.org.uk>

Next BRATS Meeting

Tuesday, October 21, 7:15 PM
Pikesville Library
Please plan to join us!

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
