



the Milliwatt



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

March, 2010

FCC Notice of Proposed Rule Making to Revise and Clarify Vanity Call Sign Rules Open for Comments

Late last year, the FCC issued a Notice of Proposed Rule Making (NPRM) -- WT Docket 09-209 -- seeking to amend the Commission's Amateur Radio Service rules to clarify certain rules and codify existing procedures governing the vanity call sign system, as well as revise certain rules applicable to club stations. Interested parties may make comments on the NPRM in the following ways: via the Federal eRulemaking Portal or via the FCC's Web site. Comments must be submitted by March 26, 2010; reply comments are due no later than April 12, 2010.

NCVEC Releases Second Technician Question Pool

In January, the Question Pool Committee (QPC) of the National Conference of Volunteer Examiner Coordinators (NCVEC) released the 2010 Technician (Element 2) Question Pool. Upon further review of the pool, members of the QPC found and corrected more than 50 minor typographical errors and clarified the questions and answers, making them easier to understand. These adopted changes are now incorporated in a revised question pool. The errata list, as well as the revised Technician question pool, is available on the NCVEC Web site. The previously released pool dated January 4, 2010 is invalid for use. The newly revised Technician question pool will become effective for all examinations administered on or after July 1, 2010; it will remain valid until June 30, 2014. The current Technician question pool that became effective July 1, 2006 will expire June 30, 2010. The new Technician pool contains approximately 400 questions, from which 35 are selected for an Element 2 examination; it will contain graphics and diagrams, something new for this element. The current General class question pool was effective July 1, 2007 and is valid through June 30, 2011. The current Amateur Extra class pool was effective July 1, 2008 and is valid until June 30, 2012.

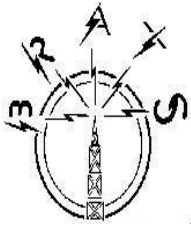
FCC Allows Robotic Device in Amateur Band

In January 2008, a company called ReconRobotics filed a request with the FCC for a waiver of Part 90 of the Commission's Rules with respect to the Recon Scout -- a remote-controlled, maneuverable surveillance robot designed for use in areas that may be too hazardous for human entry. A waiver is required to permit licensing of the Recon Scout because the device operates in the 430-448 MHz band, which is allocated to the Federal Government Radiolocation service on a primary basis, as well as the Amateur Radio Service and certain non-federal radiolocation systems on a secondary basis. More than two years later, the FCC granted the waiver request in the form of an Order (WP Docket No 08-63), subject to certain conditions.

ARRL Rookie Roundup

Three Rookie Roundups will be held each calendar year. In 2010, look for the ARRL Rookie Roundup from 1800-2359 UTC on April 18 (SSB), August 15 (RTTY), and December 19 (CW).

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



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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...

It was sad to read of the passing of Chris Walters, N0HVK, in the explosion at the Connecticut Kleen Energy Plant. According to the story, some employees were completing a blow down, a cleaning of natural gas lines. There was an explosion and 5 people died. It is obvious to me that there was a source of ignition, a spark of some sort of perhaps someone flicked his Bic. As a long-time member of the Society of Fire Protection Engineers I can tell you one thing for sure: a fire you can put out; an explosion you just pick up the pieces. So be careful when working with gas. Keep all sources or potential sources of ignition away. Far away. Be Safe 73, Mayer, W3GXX
73, Mayer, W3GXX

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

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

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

e-mail: brats@bratsatv.org

InfoLine: 410- 461-1212

Meetings: Irregular dates, 7:15 PM, Pikesville Library, 1301 Reisterstown Rd., Pikesville, MD.

(Please see list of meeting dates on this page)

President: Ed Rosen, N3GXH

Vice Pres: Edward Koritzer, N3DGY

Secretary: Mayer D. Zimmerman, W3GXX

Treasurer: Les McClure, W3GXT

Webmaster: Laura F, KB3LJM

Chairman of the Board: Heru Walmsley, W3WVV

Vice Chairman, Technical: Mike Dees, N3EZD

Vice Chairman, Operations: Ian Millet, N3CVA

BRATS Repeaters

BRATS Linked Repeater System:

WB3DZO: 147.03+, 224.96-, 448.325-

BRATS Stand-alone repeaters:

443.350+, 224.8-

BRATS Packet Network Nodes

W3GXT-5 145.05

W3GXT-10 224.52

BRATS ATV Repeater System:

W3WCQ: inputs: 426.25, 1253.25

outputs: 439.25, 911.25

BRATS Weekly Nets

Mon 9 pm Traffic and Info Net, W3GXX

Tues 11:45 Informal ATV Net, W3WVV

Tues 9 pm BRATS Horsetraders Net

Wed 9 pm CATS ATV Net

Thurs 9 pm BRATS ATV Net

Sat 1 pm Weekly News Bulletin, W3GXX

Sat 1:20 The BRATS Answer Men:

Sun 8 pm MATS ATV Net

As needed Weather/Emergency Net, Skywarn

BRATS Board of Directors

Through 12/11:

KA3IDB, KB3FIF, K0RYX

Through 12/10:

W3ZQI, KB3LJM, K2GZL

Regular BRATS Meetings

7:15 PM at the Pikesville Library,

1301 Reisterstown Rd, Pikesville

On irregular dates as follows:

March 15, April 15, May 13, June 17

NEXT MEETING: Monday, March 15, 7:15 PM

Petition Filed for Creation of US 4 Meter Band

QRZ.com lead moderator Glen Zook, K9STH, of Richardson, Texas has filed a Petition for Rulemaking to the FCC. One aimed at creating a 70.000 MHz to 70.500 MHz amateur radio band in the United States. In his January 27th filing, Glen Zook, K9STH, notes that the 4 meter band spectrum has been authorized in a growing number of European and African nations. He says that by establishing such privileges for amateur radio operators in the United States and other areas over which the Commission has jurisdiction that it would be of great benefit to those operators residing in such areas. If the FCC decides to issue it a Rule Making designation, Glen Zook's petition to create a ham radio allocation at 70 MHz is likely to garner a lot of support from within the ham radio community. Especially from those who operate in the world above 50 MHz. [AR Newsline]

Attention All Amateurs ...**2010 Field Day Packets Now Available**

It's that time of year again -- time to start gearing up for ARRL Field Day, June 26-27, 2010! ARRL's flagship operating event -- always held the fourth full weekend in June -- brings together new and experienced hams for 24 hours of operating fun. Field Day packets are now available for download and include the complete rules (including changes for 2010), as well as other reference items such as forms, ARRL Section abbreviation list, entry submission instructions, a Frequently Asked Questions section, guidelines for getting bonus points, instructions for GOTA stations, a kit to publicize your event with the local press and more.

Herbert "Pete" Hoover III, W6ZH (SK)

Herbert Pete Hoover III, W6ZH (ex-W6APW) -- the grandson of Herbert Hoover, the 31st President of the United States, and the son of former IARU and ARRL President Herbert Hoover Jr, W6ZH (SK) -- passed away February 4, 2010. He was 82. A resident of San Marino, California, Hoover was active in ARRL activities, serving as a Director of the ARRL Foundation in 1976 and as a member of the ARRL Long Range Planning Committee from 1978-1981. In the 1970s, Hoover and EIMAC's Bill Eitel, W6UF (SK) established a matching fund to encourage contributions to the amateur satellite program. Hoover served as Vice President and Trustee of the Pasadena (California) Radio Club and was also a member of the Southern California DX Club. In 1978, Hoover was elected to the National Red Cross (later the American Red Cross) Board of Governors. A memorial service is being planned. Donations may be made to Doheney Eye Institute, 1490 San Pablo St, Los Angeles, CA 90033; Hoover Institution, 434 Galvez Mall, Stanford University, Stanford, CA 94305-6010; Herbert Hoover Presidential Library Association, 302 Parkside Dr, West Branch, IA 52358 or the House Ear Institute, 2100 W 3rd St, Los Angeles, CA 90057.

Amateur Radio Operator Killed in Connecticut Explosion

Chris Walters, N0HVK, of Florissant, Missouri, was killed in an explosion on Sunday, February 7. He was 48. Walters -- who was employed as a safety manager for an electrical subcontractor at the Kleen Energy Plant in Middletown, Connecticut -- was one of five men who were killed in the explosion; at least a dozen people were injured. The accident received national news coverage. According to officials, the plant was in the process of doing a blow down -- clearing the natural gas lines -- when the explosion occurred, but investigators are still determining the cause of the explosion. According to his wife Fran, Walters was unemployed in Missouri and had been in Connecticut for two months working a temporary job. While in Connecticut, Walters found time to enjoy Amateur Radio activities. He was a member of the Shore Point Amateur Radio Club (SPARC), volunteering for community events and fundraisers with the club; he was also part of SPARC's first ARRL Field Day. Connecticut Governor M. Jodi Rell has requested that flags fly at half-staff on February 10 in honor and memory of the five men who perished in the explosion.

Next BRATS Meeting: Monday, March 15 at
7:15 PM, Pikesville Library,

W1AW Announces New Schedule for Digital Bulletin Transmissions

Beginning Monday, March 15, W1AW, the Hiram Percy Maxim Memorial Station, will alternate the digital modes used for its digital bulletin transmissions. While Baudot, PSK31 and MFSK16 still make up the digital mode complement, W1AW Station Manager Joe Carcia, NJ1Q, says that the schedule will be altered to give more exposure to PSK31 and MFSK16. "Because of time constraints and the varying lengths of digital bulletins, there were many instances where only Baudot was used," he said. "With the new schedule, amateurs preferring either PSK31 or MFSK16 will find these modes no longer secondary."

Cellphone Bills Before Hawaii House Will Exempt Ham Radio

Some good news for hams living on the Island state of Hawaii. It appears as if they will likely be safe from rules to be imposed on the mobile use of cellular telephones. Pacific ARRL Section Manager Bob Schneider, AH6J, and Bart Aronoff, WH6AA recently testified before a Hawaii house subcommittee on HB 2225 however HB2602 is now before committee in place of 2225. Both measures deal with the use of cellular telephones while driving. Conferees are now trying to combine HB2602 with SB2755 to come up with a final version. Both of these bills as well as the recently passed Kauai council bill 226 exempt amateur radio operators from the restrictions imposed by what is known as mobile cellphone prohibitions. (hamradiohawaii via KH6QX)

Satellite and Space Shorts From All Over

Hams like science so here we go ...Spectacular SRB Videos from STS-130 Provide Night-time Shuttle Launch can be viewed on-line at: <http://tinyurl.com/yknofyh> This launch video taken from the perspective of a camera mounted on the space shuttle's solid rocket boosters. [UniverseToday] Watch Time-Lapse of EVA-1/Tranquility Node Berthing at: <http://tinyurl.com/y9lxvhk> [UniverseToday] A shorter time lapse video clip of the berthing can be viewed at: <http://tinyurl.com/ydnugt1> [UniverseToday] A collection of photos from the STS-130 mission can be found on-line at: <http://tinyurl.com/ydnugt1> [UniverseToday] An animation of a trip to Mars can be viewed at the One Minute Astronomer web page: <http://tinyurl.com/ycdut88>.

The Carolina Flashers Photonics Group

The Carolina Flashers Photonics Group is an organization of Amateur Radio operators in North Carolina (and beyond) who experiment with coherent, or more often, partially coherent light as a communications medium. According to Federal Communications Commission regulations, the frequencies above 300GHz are a legitimate allocation for the Amateur Radio Service. This includes light waves, of course. While many people consider through-the-air optical communication to be an unregulated medium, we as licensed hams follow all applicable FCC rules, such as callsign IDs, no commercial messaging, etc. Watch this space as our group expands and our website evolves.

Alaska Airlines to offer Wi-Fi on all aircraft

Alaska Airlines, a unit of Alaska Air Group, said Wednesday it will join other airlines and offer Wi-Fi service on its flights. The carrier said it will offer Aircell's Gogo service on all its aircraft. That is the same technology used by several other airlines. Alaska and Aircell are currently working to install the Gogo service on a Boeing 737-800 and will begin testing to secure certification from the FAA. After certification, the airline will start outfitting its entire fleet, beginning with 737-800s serving longer routes. The airline will charge \$4.95 and up for Wi-Fi, based on length of flight and the device used. Alaska Airlines and sister carrier Horizon Air are subsidiaries of Alaska Air Group, based in Seattle. Several airlines already offer Wi-Fi on at least some of their flights. AirTran Airways is among a small group of carriers that offer it on all its flights.

WA7BNM Contest Calendar

- March 2
ARS Spartan Sprint
AGCW YL-CW Party
- March 6-7
ARRL Inter. DX Contest, SSB
- March 6
Wake-Up! QRP Sprint
- March 7
UBA Spring Contest, CW
DARC 10-Meter Digital Contest
- March 9-10
CLARA HF Contest
- March 13-14
RSGB Commonwealth Contest
EA PSK31 Contest
Elecraft QSO Party
Idaho QSO Party
- March 13
AGCW QRP Contest
- March 14
North American Sprint, RTTY
SKCC Weekend Sprint
UBA Spring Contest, 6m
- March 14-15
Wisconsin QSO Party
- March 20
10-10 Int. Mobile Contest
AGCW VHF/UHF Contest
- March 20-21
BARTG HF RTTY Contest
SARL VHF/UHF Analogue Contest
Russian DX Contest
Oklahoma QSO Party
North Dakota QSO Party
- March 20-22
Virginia QSO Party
- March 21
9K 15 meter Content
- March 22
Run for the Bacon QRP Contest
- March 24
SKCC Sprint
- March 27-28
CQ WW WPX Contest, SSB
- March 28
UBA Spring Contest, 2m

(Thanks, Bruce, WA7BNM)

ARRL DX Bulletin**MALAWI, 7Q.**

Harry, G0JMU is QRV as 7Q7HB for the next three months. He is active on the HF bands using CW and digital modes. QSL direct via G0IAS.

MARTINIQUE, FM.

Michel, FM5CD has been QRV using RTTY on 160 meters around 0500z. QSL via FM5VU.

UGANDA, 5X.

Jack, NP2OR is QRV as 5X7JD from Masaka until May 25. He is active on 40 and 20 meters using SSB every day from 0500 to 1550z. QSL to home call.

OPERATIONS APPROVED FOR DXCC

The following operations are approved for DXCC credit: Cape Verde, D44TXP, D44TXO, D44TXS, D44TXI, D44TXF, D44TXQ and D44TXR.

IRAN, EP.

Mohammad, EP4MRG has been QRV on 20 meters using SSB between 1100 and 1300z. QSL to home call.

BAHRAIN, A9.

Dave, EI3IO is QRV as A92IO from Sar until August 2011. Activity is on 80 to 10 meters. QSL to home call.

OP DX Bulletin**1S/9M0/DX0/XV9, SPRATLY ISLANDS**

Chris, VK3FY, is reportedly in the planning stages of a DXpedition to Spratly Islands to take place } sometime in January 2011. Callsign has not been issued yet. More details should be forthcoming

3B9, RODRIGUES ISLAND

John, G3LZQ, will be active as 3B9WR from Cotton Bay, Rodrigues Island (AF-017) between March 3rd and April 2nd. Activity will be on all bands 160-10 meters, probably and mainly CW, but with a focus on the lower band (QRN permitting).. QSL via his home callsign.

BW1, TAIWAN

Steve, K8QKY, will be active as BW1/K8QKY between April 14--19th. Activity will be on 160-6 meters using CW. QSL via his home callsign

FK, NEW CALEDONIA

Operators Curt/W3HQ and Don/VK2DON will be active as FK/W3HQ from Lifou, Loyalty Islands (OC-033), between May 13--16th. Their activity will be on 40/30/20 meters using CW only. QSL via W3HQ.

CQ magazine columnist becomes a silent key

Sad news now from the USA. CQ Magazine columnist David Ingram, K4TWJ passed away last week. He was 67. Dave had written for CQ magazine since 1981 and had also written for RadCom. Dave suffered from a major heart attack on New Year's Eve. [RSGB]

Hamfests

Sat./Sun., March 27-28 Timonium, MD
Greater Baltimore Hamboree and Computerfest Maryland
State Fairgrounds, 2200 York Rd. Contact; Bill Dobson,
N3WD, 443-590-1444 <http://www.gbhc.org>; 146.67/R (PL
107.2)

Sat. April 10 - Spring Grove PA
York Hamfest Found. Porter Community Fire Co., 1199
Porters Rd., Spring Grove, PA Tabitha, N3TOH,
717-632-6719 ; tazier@embarqmail.com; 147.33/R(PL
123.0)

Sat. April 17 - Georgetown, DE
Delmarva AR & Electronics Expo , Sussex Tech. HS,
17099 County Seat Hwy (Rte.,9) Georgetown, Dela.; Jack
Poore, K3JP, 302-462-1696; k3jp@arrl.net

NEXT BRATS HAMFEST

Sunday, July 18, 2010
Howard County Fairgrounds

NEXT BRATS MEETING

Monday, March 15, 7:15 PM
at the Pikesville Library.

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)

VE EXAMS

BARC VE EXAMS for 2010
at BARC Clubhouse 12360 Owings Mills Blvd. Owings Mills
Register: 1 PM, Exams begin 2 PM. Free (Laurel VEC)
n3wke@arrl.net (Thanks, N3YI)
Saturday, Mar 6; Sunday, Apr 12; Saturday, May 1; Saturday, Jun 5;
Sunday, Jul 11; Saturday, Aug 7; Saturday, Sep 4; Sunday, Oct 3;
Saturday, Nov 6; Saturday, Dec 4

2010 AERO VE EXAMS
Registration at 1 PM, Exams at 1:30.
Fee \$14 (ARRL VEC); All exams at White Marsh Library, 8133
Sandpiper Circle;

20 Mar 2010

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)

Complimentary Wi-Fi Service

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

LOCAL Slow-Speed CW Net

Looking to start a local slow-speed ragchew CW Net.
Tuesdays at 2000 hours local time on 7050 kHz. This
frequency is just above the W1AW code practice
frequency of 7045.5 kHz. Contact Joe, N3IQA:
cottonj@gmail.com

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

FOR SALE: ICOM 745, 200 Watt HF transceiver, PIEXX IC-EX243 px physical electrical keyer, Also a PROM Memory Board. The standard mic, and 13v power cord is included, no power supply. I will consider trades, currency, or both. E-Mail offers to: KB3RLD@arrl.net

FOR SALE: Linksys Wireless-G Notebook Adapter WPC54g with installation CD in like-new condition. \$30. Contact KB3AP, Jerry, at 41-358-2701

WANTED: SMA to BNC adapter for VX-150. Call Jerry, KB3AP, at 410-358-2701.

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

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

FOR SALE: Yaesu FT 5200 2-mtr/440 w/ mic, \$50; Lots of meters. \$10 each; Dipole with insulators, and nylon line, \$10; Kenwood: IF 232 interface, \$20, Mod KR V7030, \$25, MC 52 DTMF mic \$15, Optimus 2-deck player recorder, \$20. Antique autoharp, mint condx, \$150. Homebrew VSWR bridge 2mtrs/440, \$10; Panoramic adaptor BC 1031C, \$40; Millen antenna matching pre-amp with 27-32 MHz plug-in, \$5; Casio men's watch CK33-R1, new in box \$150. Call Ted, W3OWN, 410-668-5580, leave message, I will call back.

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

WANTED: AT-930 for a TS930S. Please send condition and price. Jerry. jerrymcf@sbcglobal.net

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JADE COMPUTERS

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

VTS - Videotaping Service

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

Antique Radio Repair, Restoration!

Eric, WA3TAD, audio-visual service, retro radio, 3401 Chestnut Ave. Balto. 21211. 410-467-3620;
wa3tad@comcast.net

Overlea Hobbies; Radio Consignments

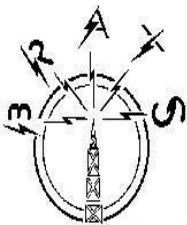
8411 Harford Rd. Parkville; 410-665-3622 fine trains, model kits, x-acto, cars, planes, ships, many radios: Yaesu FT-101ZD, Kenwood TS 820S, 930S, Heath SB-102, National NC 183, more. Dick, N3JWN, 410-488-2806

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

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

<p>ATTENTION: if you do NOT want your ad to run again, please send me an email and let me know. Thanks! w3gzk@verizon.net</p>

WANTED: Your ad for this space. Send copy to w3gzk@verizon.net



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March 2010

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More 2010 BRATS meetings on the following dates: Thursday, April 15; Thursday, May 14; Thursday, June 17.

Other Radio Club Meetings

AMRAD

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

QCWA

Monday at Noon, Cactus Willie 7315 Ritchie
Hwy, Glen Burnie
3rd Thursday, 1 PM: Old Country Buffet, Joppa
Road at Satyr Hill
Last Wednesday, 1 PM: Denny's Bel Air Rd at
Putty Hill

BARC

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

AARC

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

CARA

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

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

Name _____

Call Sign _____

BRATS No _____

Address _____

City/State/Zip _____

Phone _____

Email _____

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