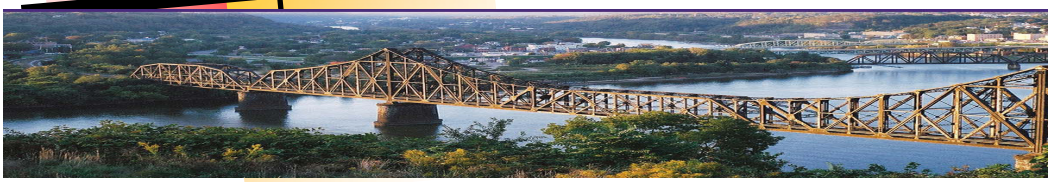
THE BEAVER VALLEY AMATEUR RADIO ASSOCIATION
WWW.W3SGJ.ORG
BEAVER COUNTYS ONLY 75 YEAR ARRL AFFILIATED CLUB!

The eQRM Newsletter

Home of W3SGJ/R
145.310- 100 Hz PL



Volume 2, Issue 5
February 16, 2008
Bob, WA3ZRM - Editor

TECHNOLOGY STANDARDS FOR ARRL OFFICIALS

Editor's Note: The following article is a commentary and does not necessarily reflect the opinions of the ARRL or the Beaver Valley Amateur Radio Association.

Back in Issue 10 of the eQRM which can be found by clicking here, I offered a commentary on why ISTE Technology Standards should be incorporated into the FCC question pool for all amateur license exams.

As an update to our readers, I now would like to introduce Technology Standards that should be required of ARRL elected officials at the National and Divisional levels of League Operations. Additionally, I will offer a separate set of standards for those elected officials at the Section Manager levels as well as their respective managerial appointees.

Before I begin, I would like to point out that the ARRL already has in place what can be defined as "Job Descriptions" for most League officials. This commentary is not intended as a replacement for those descriptions; but rather, as an addendum to what can be added to help our hobby grow and prosper.

TECHNOLOGY STANDARDS FOR ARRL NATIONAL OFFICERS, DIVISION DIRECTORS & VICE DIRECTORS

1. LEADERSHIP AND VISION

ARRL Officers and Directors inspire a shared vision for comprehensive integration of technology and foster an environment and culture conducive to the realization of that vision. ARRL Officers and Directors:
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eQRM Establishes Yahoo Group

The eQRM is pleased to announce that it has formed a Yahoo Group. The Group is located at: *http://groups.yahoo.com/group/eQRM/* Many radio clubs across the country have formed Yahoo Groups to help keep members informed on matters of interest. Locally, both the Wireless Association of the South Hills and the Two Rivers Amateur Radio club have established Yahoo Groups for their members. If other local clubs have Yahoo Groups, I would be interested in hearing from them. Yahoo groups allow members to post and share photos, files and have discussions. There is no cost in establishing a Yahoo Group. All readers of the eQRM are invited and encouraged to join our Group.

Newsletter & Information Exchange Program

- Have your club's latest news and happenings printed here for FREE!
- Is your club having a VE session or classes? Let me know and I'll help spread the word!
- Planning a Hamfest? Drop me a line and get some FREE PR in the eQRM!
- Having an ARRL night, special speaker or program? The eQRM can help by spreading the news within our region!

FEBRUARY 2008

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	NETS 6	E-Board 7	8	9
10	11	12	NETS 13	Meeting 14	15	16
17	18	19	NETS 20	21	22	23
24	25	26	NETS 27	28	29	

The Beaver Valley Amateur Radio Association meets at the Beaver County Emergency Operations Center located at 250 East End Avenue, Beaver, PA on the second Thursday of every month at 7:30 PM. Everyone is welcome.

+++PLUS+++

Don't forget to listen to the BVARA club nets every Wednesday Night! 2 Meter Net on 145.310 MHz 100Hz PL at 8:30 PM and the 10 Meter Net 28.370 QSY +/- 10 at 9:00PM.

The BVARA 10 Meter Net Lunch group will be meeting this Thursday at Kings in Center Twp at 11:00 AM. All area amateurs are invited and encouraged to attend the Thursday Morning Lunch.

VE TEST SESSION TO BE HELD ON APRIL 4, 2008: The BVARA sponsors ARRL VE examinations at the Community College of Beaver County's Aviation Science building, 125 Cessna Drive, (Chippewa Twp.) Beaver Falls , PA. For more info on the test session, dates and times, contact Tony, KE3ED @ 724-774-4173 or by e-mail at KE3ED@arrl.net.

2008 BVARA OFFICERS & DIRECTORS

President: Gary Hutchinson, KA3TYK
First Vice President: Robert DeMarco, WA3ZRM
Second Vice President: Debbie Mehutcs, KB3EAQ
Secretary Elect: Norm Trunick , KB3QFP
Treasurer: Shawn Hastwell, KB8UDE
Director: Chris Moratis, W3OUF
Director: Jack Spencer, KZ3Z
Trustee: Tony Petruccelli, KE3ED/W3SGJ

New Life Members Elected

The Beaver Valley Amateur Radio Association is proud to announce the election of two life members. Wes Morar, N3ALS and Chris Moratis, W3OUF were voted "Life Memberships" in the BVARA at the February meeting. Wes has served as net control for the BVARA's 10 Meter Net for over 16 years and has held several club offices. Chris, a long time member of the BVARA was licensed in the late 1940's. Congratulations to both for achieving this recognition.

Letters and E-Mails to the Editor

The eQRM welcomes letters/e-mails to the editor. Letters must be signed and contain your contact information for verification prior to publication. Preference will be given to letters of 200 words or less. Letters are subject to editing. Unused letters will not be acknowledged or returned.

COMMENTARY (CONTINUED FROM PAGE 1)

A. Facilitate the shared development by all amateur's of a vision for technology use and widely communicate that vision.

B. Maintain an inclusive and cohesive process to develop, implement, and monitor a dynamic, long-range, and systemic strategic plan to achieve the vision.

C. Foster and nurture a culture of responsible risk-taking and advocate policies promoting continuous innovation with technology.

D. Use data in making leadership decisions.

E. Advocate for research-based effective practices in use of technology.

F. Advocate on the state and national levels for policies, programs, and funding opportunities that support implementation of the ARRL Strategic Plan.

2. LEARNING & TEACHING

ARRL Officers and Directors ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies to maximize learning and teaching within the amateur community. ARRL Officers and Directors:

A. Identify, use, evaluate, and promote appropriate technologies to enhance and support instruction and standards-based FCC Testing, which leads to high levels of operator achievement.

B. Facilitate and support collaborative technology-enriched learning environments conducive to innovation for improved learning.

C. Provide for learner-centered environments that use technology to meet the individual and diverse needs of learners. facilitate the use of technologies to support and enhance instructional methods that develop higher-level thinking, decision-making, and problem-solving skills.

D. Provide for and ensure that ARRL staff and members take advantage of quality professional learning opportunities for improved learning and utilizing technology

3. PRODUCTIVITY AND PROFESSIONAL PRACTICE

ARRL Officers and Directors apply technology to enhance the inclusion of the "Amateur's Code" and to increase their own productivity and that of others. ARRL Officers and Directors:

A. Model the routine, intentional, and effective use of technology.

B. Employ technology for communication and collaboration among colleagues, staff, League members, and the larger public community.

C. Create and participate in learning communities that stimulate, nurture, and support ARRL staff and League members in using technology for improved productivity.

D. Engage in sustained, job-related professional learning using technology resources.

E. Maintain awareness of emerging technologies and their potential uses in within the hobby.

F. Use technology to advance organizational improvement within the hobby.

4. SUPPORT, MANAGEMENT, AND OPERATIONS

ARRL Officers and Directors ensure the integration of technology to support productive systems for learning and administration. ARRL Officers and Directors:

A. Develop, implement, and monitor policies and guidelines to ensure compatibility of technologies.

B. Implement and use integrated technology-based management and operations systems.

C. Allocate financial and human resources to ensure complete and sustained implementation of the ARRL's Strategic Technology Plan.

D. Integrate strategic plans, technology plans, and other improvement plans and policies to align efforts and leverage resources.

E. Implement procedures to drive continuous improvement of technology systems and to support technology replacement cycles.

5. ASSESSMENT AND EVALTION

ARRL Officers and Directors use technology to plan and implement comprehensive systems of effective assessment and evaluation. ARRL Officers and Directors:

(Continued on Page 4)

2008 Executive Board Meeting Dates Set

At the request of BVARA Executive Board members, Gary, KA3TYK has established time and dates for club e-board meetings. Meetings will be held on the First Thursday of the month at 7:00 PM. The next regular 2008 meeting will be held at Eat & Park in Monaca on March 6. E-Board meetings are open to any interested club member; however, if you plan to attend, please let everyone know by checking into the 2 or 10 Meter Wednesday night nets prior to the meeting so seating accommodations can be made for you. Both Gary and I hope to see everyone on March 6th.

THE HAM'S HOROSCOPE

BY MADAM ZELDA, ST1ARS

That's Gold	I'm Happy	Can't Complain	Not Happy	Turn down the heat

Sign	Romance	Home & Family	Finances	Career	General
Aries					
Taurus					
Gemini					
Cancer					
Leo					
Virgo					
Libra					
Scorpio					
Sagittarius					
Capricorn					
Aquarius					
Pisces					

Technology Standards (Continued from Page 1)

A. Use multiple methods to assess and evaluate appropriate uses of technology resources for learning, communication, and productivity.
B. Use technology to collect and analyze data, interpret results, and communicate findings to improve instructional practice and student learning. assess staff knowledge, skills, and performance in using technology and use results to facilitate quality information development and to inform personnel decisions.
C. Use technology to assess, evaluate, and manage administrative and operational systems.

SOCIAL, LEGAL, AND ETHICAL ISSUES

ARRL Officerss and Directors understand the social, legal, and ethical issues related to technology and model responsible decision-making related to these issues. ARRL Officers and Directors:

A. Ensure equity of access to technology resources that enable and empower all amateurs and League members.
B. Identify, communicate, model, and enforce social, legal, and ethical practices to promote responsible use of technology.
C. Promote and enforce privacy, security, and online safety related to the use of technology.
D. Promote and enforce environmentally safe and healthy practices in the use of technology.
E. Participate in the development of policies that clearly enforce copyright law and assign ownership of intellectual property developed with League resources.

TECHNOLOGY STANDARDS FOR ARRL SECTION MANAGERS & THEIR SECTIONAL COORDINATORS

1. **TECHNOLOGY OPERATIONS AND CONCEPTS**
Section Managers and their Coordinators demonstrate a sound understanding of technology operations and concepts. Teachers: demonstrate introductory knowledge, skills, and understanding of concepts related to technology.

A. Demonstrate continual growth in technology knowledge and skills to stay abreast of current and emerging technologies.

(Continued on Page 8)

MARCFEST 2008 sponsored by the

Monessen Amateur Radio Club

March 30th, 2008, 8:00 Am to 1:00 PM at the Blaine Hill VFD, 409 Oxford Avenue, Elizabeth, PA, approx. 2 miles from the Elizabeth Bridge — Talk-In on 147.225 and/or 443.350 Repeaters

More information on prizes and tables, please contact:

John Graham N3OVO n3ovo1@gmail.com (412) 287-8291

Or Chris Grilli grillil@verizon.com

Download directions & the latest flyer from the MARC Web Site at:

http://www.w3csl.org

Field Day 2008 Rules & Forms Now Available

ARRL Field Day Manager Dan Henderson, N1ND, says there are several rules changes this year, mainly concerning "Get on the Air" (GOTA) stations and the elimination of the Demonstration Mode Bonus Category.

The complete Field Day Packet can be downloaded from the ARRL Web site at http://www.arrl.org/fieldday. A full 2008 Field Day page on the ARRL Web site will be coming in the next few weeks.

BY BECOMING A MEMBER OF THE BVARA, YOU CAN HELP SECURE THE FUTURE OF AMATEUR RADIO IN BEAVER COUNTY. ADDITIONALLY, THE BVARA RECEIVES A PORTION OF EACH ARRL AND/OR WORLD RADIO SUBSCRIPTION YOU PURCHASE!

Join the BVARA, ARRL and World Radio

Sign up for:	Price	Quantity
☐ BVARA FULL MEMBERSHIP	20.00	
☐ BVARA STUDENT MEMBERSHIP	15.00	
☐ BVARA ASSOCIATE MEMBERSHIP	10.00	
☐ BVARA SPOUSE/CHILD MEMBERSHIP	5.00	
☐ ONE YEAR ARRL MEMBERSHIP	39.00	
☐ WORLD RADIO SUBSCRIPTION	21.00	

ARRL MEMBER ? YES NO

Subtotal: _____
Donation _____
Total: _____

Your License Class (if any):

☐ Novice
☐ Technician
☐ General
☐ Advanced
☐ Extra

Name
Address
Phone

Your Call Sign: Exp. date

Signature

Make Check or Money order payable to:
The Beaver Valley Amateur Radio Association, P.O. Box 424
South Heights, PA 15081

LETTERS TO THE EDITOR

FLEA - MARKET HMA-FEST

Just an idea that I had is to promote ham radio to the public is to get out where we can meet with different kinds of people. Where do hams go? To a ham-fest. Who do they talk to at a ham-fest? Other hams. How do we spread the news about ham radio? Not by talking to our self we need to get out and talk to other people that may want to be a ham but don't know the right way to go about it. So my suggestion is to have a ham day at our local flea markets. Get together with all local clubs and hams even if they don't belong to a club they are still hams. Invite them to set up a table at a local flea market along with you and several other clubs and sell a verity of items some ham and maybe have the xyls bring out some of her crafts or items for the flea market. If we set up with several tables in one area and have rigs working people can see that it can be very useful and they can also have a lot of enjoyment. We also may find some people in the area that don't know that there is a local ham club. I would like to see this done in several different locations this year and hear the results. This is another way that we can have different clubs work together and have some fun. It is for all to get out and meet different people to see if we can spread the word about radio. It is not for one club to do all the work but it is each person to set up his/her space and work together with others in creating a mini ham-fest at a flea market. Feel free to send this out to all.

Jim Klingensmith N3ZJM

jamesh@zoominternet.net

ARRL WPA SECTION APPOINTS NEW TECHNICAL COORDINATOR

As a member of the ARRL Western Pennsylvania section staff I have been advised, and asked to convey, by Section Manager John Rodgers N3MSE that Dave Heim KA3SMF has been appointed as a new addition to the section staff. Dave has accepted the position of "Technical Coordinator" and will report directly to the Section Manager. Dave's acceptance will also benefit our club by reinforcing an already positive representation for the B.V.A.R.A. with "the League".

Some of Dave's new responsibilities include:

- Supervise and coordinate the work of the section's Technical Specialists (TSs).
- Encourage amateurs in the section to share their technical achievements with others through the pages of *QST*, and at club meetings, hamfests and conventions.
- Promote technical advances and experimentation at vhf/uhf and with specialized modes, and work closely with enthusiasts in these fields within the section.
- Serve as an advisor to radio clubs that sponsor training programs for obtaining amateur licenses or upgraded licenses in cooperation with the ARRL Affiliated Club Coordinator.
- In times of emergency or disaster, function as the coordinator for establishing an array of equipment for communications use and be available to supply technical expertise to government and relief agencies to set up emergency communications networks, in cooperation with the ARRL Section Emergency Coordinator.
- Refer amateurs in the section who need technical advice to local TSs.
- Encourage clubs to develop, and TSs to serve on, RFI and TVI committees in the section for the purpose of rendering technical assistance as needed.
- Be available to assist local technical program committees in arranging suitable programs for ARRL hamfests and conventions.
- Convey the views of section amateurs and TSs about the technical contents of *QST* and ARRL books to ARRL HQ. Suggestions for improvements should also be called to the attention of the ARRL HQ technical staff.
- Work with the appointed ARRL TAs (technical advisors) when called upon.
- Be available to give technical talks at club meetings, hamfests and conventions in the section.

Dave has been on the Engineering Committee for the Beaver Valley Amateur Radio Association for a number of years, and will continue in that position, helping to keep the W3SGJ repeater up and running 24 hours a day for your use.

So join me in congratulating Dave on his new assignment. He will be a tremendous asset to the Western PA staff as he has been for our club.

Anthony F. Petruccelli KE3ED—ARRL WPA Asst. SM – Digital Communications

B.V.A.R.A. – Station Trustee W3SGJ

Technology Standards (Continued from Page 4)

2. PLANNING AND DESIGNING LEARNING ENVIRONMENTS AND EXPERIENCES

SM's and their Coordinators plan and design effective learning environments and experiences sported by technology. SM's and their Coordinators :

A, Design developmentally appropriate learning opportunities that apply technology-enhanced instructional strategies to support the diverse needs of learners.

B. Apply current research on teaching and learning with technology when planning learning environments and experiences.

C. Identify and locate technology resources and evaluate them for accuracy and suitability.

D. Plan for the management of technology resources within the context of learning activities.

E. Plan strategies to manage learning in a technology-enhanced environment.

3. TEACHING and LEARNING

SM's and their Coordinators implement technology plans that include methods and strategies for applying technology to maximize learning.

A. Facilitate technology-enhanced experiences that address content standards and technology standards.

B. Use technology to support learner-centered strategies that address the diverse needs of the amateur community and general public.

C. Apply technology to develop higher order skills and creativity.

D. Manage learning activities in a technology-enhanced environment.

4. **ASSESSMENT AND EVALUATION**

SM's and their Coordinators apply technology to facilitate a variety of effective assessment and evaluation strategies.

A. Apply technology in assessing learning of subject matter using a variety of assessment techniques.

B. Use technology resources to collect and analyze data, interpret results, and communicate findings to improve instructional practice and maximize learning.

C. Apply multiple methods of evaluation to determine appropriate use of technology resources for learning, communication, and productivity.

5. **PRODUCTIVITY AND OPERATING PRACTICE**

SM's and their Coordinators use technology to enhance their productivity and operating practice.

A. use technology resources to engage in lifelong learning.

B. Continually evaluate and reflect on operating practices to make informed decisions regarding the use of technology.

C. Apply technology to increase productivity.

D. Use technology to communicate and collaborate with the larger community in order to nurture learning about amateur radio.

6. **SOCIAL, ETHICAL, LEGAL, AND HUMAN ISSUES**

SM's and their Coordinators understand the social, ethical, legal, and human issues surrounding the use of technology.

A. Model legal and ethical practice related to technology use.

B. Apply technology resources to enable and empower learners with diverse backgrounds, characteristics, and abilities.

C. Identify and use technology resources that affirm diversity

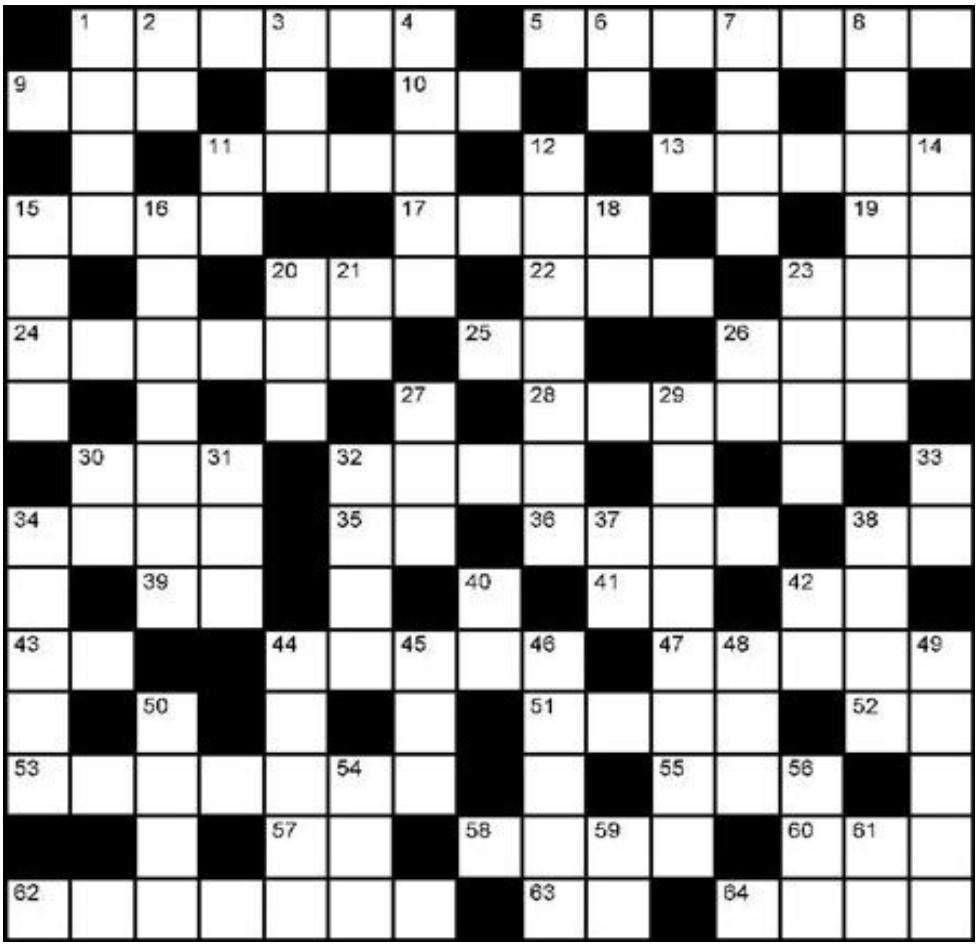
D. Promote safe and healthy use of technology resources.

E. Facilitate equitable access to technology resources for all operators and the public at large.

The Amateur Radio Crossword Puzzler

By H. Ward Silver, N0AX

"It's a Bird, It's a Plane, It's an Antenna!" Tickle your brain with visions of a Super Antenna while working through this construction-themed puzzle. The *Antenna Book* is sitting on your nightstand with bookmarks at those special projects. Ready? Set... Go! See next page for the puzzler...



Across

1. This always comes first
5. Recover from damaged items
9. Type of screw head
10. Horizontal direction (abbr.)
11. Set of tools
13. Throws a shot
15. Agency in charge of safety (acronym)
17. Accidentally let fall
19. Transmitter output (acronym)
20. Type of plastic pipe (acronym)
22. Utilize
23. A contest category using spotting assistance (acronym)
24. Wheel used for lifting with ropes
25. Answer only (Morse prosign)
26. Feeling good
28. Found with a block
30. Gentle blow
32. A heap of stuff
34. Difficult
35. What goes down must go here first
36. Ladder step
38. That (Morse abbr.)
39. Determining direction (acronym)
41. Makes time with 37 Down
42. End of message (Morse prosign)
43. Supposing
44. Raise yourself on a structure
47. Rebuild or repair
51. Type of relay
52. Unit of inductance (abbr.)
53. Wrap guy wire around these
55. Short pull
57. Internal receiver signal source (acronym)
58. What the tower sits on
60. Type of organic antenna support
62. Unusual or unorthodox devices
63. Metric distance (abbr.)
64. Divulge a secret

Down

1. Antenna wire stretches and ....
2. One of several
3. Loop or hole
4. Cubic measure of volume
6. Most conductive metal (chemical symbol)
7. Unit of potential
8. Used for lifting on a tower (two words)
11. Gauge (abbr.)
12. Type of weight that provides tension
14. Desired outcome
15. What you say after 17 Across happens
16. A rope for raising or lowering
18. Comes after the signature
20. Large mail-order ham radio vendor (acronym)
21. Near or against
23. Take care of your....
26. Weak (abbr.)
27. Tear
29. Foundation material
30. Technical Field Organization appointment
31. Type of computer document (acronym)
32. Apply tension
33. Quiet (abbr.)
34. Lift with a rope or cable
37. Makes time with 41 Across
38. Cut to length
40. Greeting before noon (Morse abbr.)
42. One of the continents (abbr.)
44. Coaxial feedline
45. Forms on antennas in cold weather
46. Separate by force
48. Web address abbreviation for colleges
49. Hit this with a hammer
50. Attached with a knot
54. More than a little
56. Form a flexible solid
59. Scandinavian prefix, neighbor to 61 Down
61. Scandinavian prefix, neighbor to 59 Down

ARRL The national association for AMATEUR RADIO

CQ

Now in our THIRTEENTH big year!

WASHfest 2008

The South Hills Hamfest

Sponsored by the Wireless Association of South Hills Amateur Radio Club, Inc.

Sunday, February 24 th, 2008

8:00 AM until 3:00 PM Rain or Shine (or Snow!)

Castle Shannon VFD Memorial Hall

3600 Library Road (State Route 88), Castle Shannon, PA

Talk-In on 146.955(-) and 443.650(+) 131.8 PL

FREE Coffee for the entire Hamfest

courtesy of HAM RADIO INSURANCE ASSOCIATES

of Canonsburg, PA

MAIN PRIZES — You've Got to play to WIN!

1st Prize: Kenwood TS-480SAT

2nd Prize: Kenwood TH-D7A

3rd Prize: SGC SG-239 HF Smarttuner

Additional Hourly Door Prizes!

Main Prize tickets are $2.00 each, or 3 for $5.00

All Prizes Subject to last-minute changes

For reservations, or information, Contact:

Kevin Smith N3HKQ at (724) 228-4153 or Bill Hill W3WH at (724) 746-1776

E-mail us directly at **washarc@yahoo.com** Check out our website too!

www.n3sh.org

KZ3Z Donates 2M Rig

Jack, KZ3Z, recently purchased and donated a NEW FDC 2 Meter Rig for the Scouts enrolled in his licensing class. This rig, along with rigs donated by WA3ZRM and NN3J will get our newest licensed hams on the air! The new FDC rig only costs $29.00! Those of you interested in picking up one of these rigs should visit http://stores.ebay.com/RadioAccessoryShop for more information.

CLUB NOTES

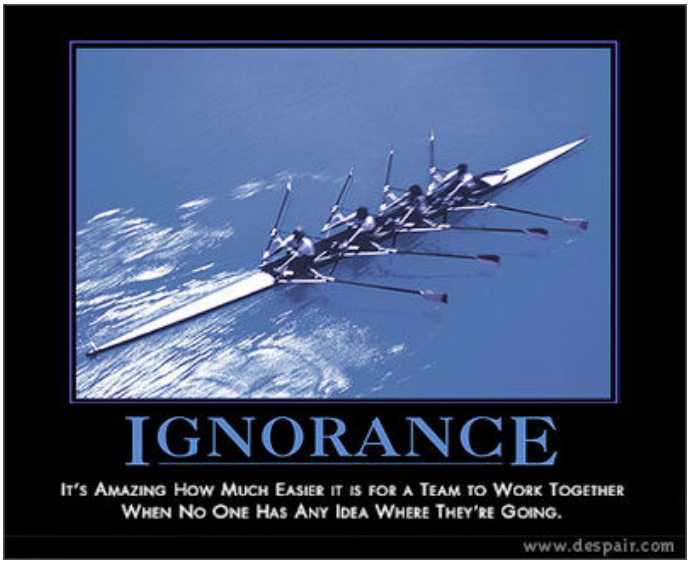
REPEATER FUND ESTABLISHED

At the recommendation of the club's Technical Committee, a Repeater Fund has been established to be used for upcoming projects and repairs on the BVARA's repeaters.

At the request of several BVARA members and the club's Executive Board, the Technical Committee has been asked to investigate new controllers and antennas for our repeater system.

At the time of this writing, over $256 has been pledged to the fund by various club members.

If you are interested in making a pledge to support our repeaters, please contact Shawn, KB8UDE. Donations can also be made by using the membership application found on page 5 of this issue.

Solar Update via the ARRL Letter

Tad "He who kisses the joy as it flies lives in eternity's sun rise" Cook, K7RA, this week reports: No sunspots appeared this week. Solar flux was about the same as last week. The 45-day outlook for solar flux and planetary A index from NOAA and the Air Force on February 10 was predicting a flat solar flux of 70; the following day, this was revised to show 72 for February 12-18, then 70 after that. On February 12, this changed to show 72 solar flux for February 13 through the rest of the 45 days. Sunspot numbers for February 7-13 were 0, 0, 0, 0, 0, 0 and 0 with a mean of 0. The 10.7 cm flux was 70.8, 70.9, 72.2, 72.6, 72.1, 72.1 and 70.5 with a mean of 71.6. Estimated planetary A indices were 5, 4, 2, 18, 17, 11 and 12 with a mean of 9.9. Estimated mid-latitude A indices were 6, 3, 2, 13, 16, 6 and 10 with a mean of 8. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/tis/info/propagation.html>. To read this week's Solar Report in its entirety, check out the W1AW Propagation Bulletin page <http://www.arrl.org/w1aw/prop/>.