

The OVH ARC Newsletter
"OLE VIRGINIA HAMS" AMATEUR RADIO CLUB, INC.
Post Office Box 1255, Manassas, Va. 20108
Repeaters -- W4OVH -- 146.970- & 224.660- & 442.200+
OVH Nodes -- Port 1: 145.030 Mhz, Port 2: 223.660 Mhz (SysOp Use Only)
Port 3: 223.540 MHz, Port 4: 440.925Mhz 9600 Baud backbone
BBS--BBSNVA/N4WJN (SYSOP--BILL)
<http://www.w4ovh.net>

OLE VIRGINIA TIMES

MARCH 2004

Next meeting: March 15, 2004

Need your input for the Newsletter. The deadline for submissions is the 5th of each month.!!!

(Editor)

Greetings to all OVHer's:

The next meeting of the Ole Virginia Hams will be held on Monday, March 15th at the NOVEC Technical Center in Gainesville, VA at 8 PM. We will be working on getting ready for the Hamfest on June 6th which will be here before you know it. If you can help out in any way please contact our Hamfest Chairman David Lane at KG4GIY@arrl.net . Hope to see you there.

73 for now,

Ruth/KU4WH

Bogus ARRL.net Messages Circulating Via E-Mail



(Mar 3, 2004) -- Several members have notified ARRL that they have received e-mail messages alleging to be from the [ARRL E-Mail Forwarding Service](#), "The ARRL.net team" or some variation. The messages, which often carry a subject line along the lines of "Warning about your e-mail account," indicate that the recipient's ARRL E-Mail Forwarding Service <call sign>@arrl.net address will be closed within three days because of an alleged violation of acceptable practices. These messages are false and did not come from The ARRL Forwarding Service. They are the result of one of the variants on a number of viruses now permeating the Internet. A file usually is attached to these messages. As always, *do not open* any attachments that you cannot identify. Opening the file could result in your computer being infected by a virus. This is only one of the several virus-laden messages currently propagating across the Internet. The ARRL advises its members to be cautious in opening any message and/or attachment, even if it appears to be from someone you know. All of these viruses use e-mail addresses from the address book of an infected computer to falsify the "From:" address in the header to make it appear that the message is from someone the recipient knows.

Downloaded from ARRL Website

“OLE VIRGINIA HAMS”
Post Office Box 1255
Manassas, VA. 20108

OFFICERS

President: Ruth Frock KU4WH 331-1234
 Vice Pres: John Heartney KG4NXT 257-3566
 Secretary: Phil Colling AC4PL 393-8658
 Treasurer: Bill South N4WJN 590-9562

DIRECTORS

Don (Butch) Blasdell W4HJL 369-2877
 Art Whittum KW4AW 791-4330
 Charlie Dale WA4YGI 361-3091
 John Zorger WA1STU 754-2378

WEEKLY NETS

Thursdays - 8:00 PM RUTH 331-1234

HAMFEST 2004

David Lane KG4GIY 361-3042

FIELD DAY 2004

TBD

CLUB ROSTER

Blaine KB4RKL 369-2877

EDUCATION

Bill K9ZD 754-7913

CLUB EMERGENCY COORDINATOR

Brian N8FK 257-9545

ARES AREA EMERGENCY COORDINATOR

David KG4GIY 361-3042

F.A.R. REPS.

Ruth KU4WH 331-1234
 Mary Lu KB4EFP 369-2877

FINANCE

Mary Lu KB4EFP 369-2877
 Bill N4WJN 590-9562
 Ruth KU4WH 331-1234

GENERATORS

Steve N4OGR 361-0008
 Bill K9ZD 754-7913

HISTORIAN

Theresa KG4TVM 257-3566

HOME PAGE

Bill N4WJN 590-9562

JOTA

Paul N2PJ 330-0796

LEGAL

Pete KB4RME 369-2436

MEMBERSHIP CHAIRMAN

John Zorger WA1STU 754-2378

NEWSLETTER

Steve KB4OF 368-6901

NEWSLINE

Karl W4KRL 802-1527

PACKET

Alan KD4KBX 330-8844
 Bill N4WJN 590-9562

PICNIC

Ellie KF4NBO 361-8059

PROGRAM'S

PUBLICITY

Steve N4OGR 361-0008

Q' MASTER

Steve N4OGR 361-0008

REPEATER CONTROLLERS

Art W1CRO 791-4330
 Butch W4HJL 369-2877
 Milt N4SN 369-7265
 Mike WV3H 753-9346
 Steve N4OGR 361-0008
 Alan KD4KBX 330-8844

REPEATER TRUSTEE

Art W1CRO 791-4330

SCHOLARSHIP

Jim W4JTP 392-0150

SUNSHINE

Jan KE4TMW 257-0897

TECHNICAL COMMITTEE

Art W1CRO 791-4330
 Alan KD4KBX 330-8844
 Bill N4WJN 590.9562
 Butch W4HJL 369-2877
 Mike WV3H 753-9346
 George KE2AM 791-7688
 Bill K9ZD 754-7913
 Karl W4KRL 802-1527
 Bob K4HJF 335-1939

The OVH Times is the official publication of the "Ole Virginia Hams" ARC, a non-profit organization dedicated to the promotion and enhancement of Amateur Radio. The OVH ARC meets at 8:00 PM every third Monday of the month at the NOVEC Tech Center in Gainesville. Prospective members are invited.

Local information can always be obtained, at any time, through the usage of the OVH repeaters (146.97- & 224.660- Mhz). All are welcome.

Permission is hereby granted for the reprinting of articles and quotations in this letter, provided full credit is given to the OVH ARC, and the author of the article. Contribution of printed articles by both members and non-members is encouraged. The deadline for submissions is the 5th of each month. Submissions should be forwarded to OVH TIMES EDITOR: Steve Meade KB4OF, PO Box 1418, Manassas, VA 20108-1418, or to kb4of@arrl.net

Letters to the Editor and Classified Ads are accepted and welcome. Approx. Circulation – 170

Minutes of the Ole' Virginia Hams Amateur Radio Club Meeting
Feb. 16, 2004

John/KG4NXT called meeting to order at 2000 Eastern time.

Following the **Pledge of Allegiance**, all presented stated their names and call signs. There were **28 OVH members** and four guests present.

John introduced **John Kanode/N4MM**, our guest speaker for the evening. Also present was **Ben/KF4KJQ**, a student at **Thomas Jefferson High School** who was accompanied by **Vienna Wireless** members, **Pete/KG4OJT**, **Tom/N4ZPT** and **Mathew/KG4ORU**.

Butch/W4HJL started the election process by handing out the ballots. **Mary Lou/KB4EFP** handed out tickets for those in attendance to fill out for a chance to win a wooden vase made by **Al/KB4BHB**.

PROGRAM

The meeting was turned over to **John/N4MM** for his presentation on DX. John covered the history of DX, how the program was started and several different awards that hams can try to earn. John recommended a new book just out that covers all the awards and requirements, "**The ARRL Operating Manual**." Three awards have been dropped by the **ARRL**, **The Old Rag Chewers Club**, **Old Timers Award** and the **Friendship Award**. Thank you John for your presentation on DX.

BUSINESS MEETING

ELECTION: **Butch/W4HJL** presented the results of the election. All officers for the remainder of 2004 and up through the Feb. 2005 OVH meeting will remain the same as the previous year: **President – Ruth Frock/KU4WH**, **Vice President – John Heartney/KG4NXT**, **Treasurer – Bill South/N4WJN** and **Secretary – Phil Colling/AC4PL**.

Al Dugas/KB4BHB contributed another of his **handcrafted flower vases** as the door prize. The drawing for the prize was done by **Wayne's/N7QLK's** daughter. The winner was **Thomas/N4ZPT**, who was visiting from Vienna Wireless. Thank you Al for your generous contribution to the OVH, and congratulations Thomas.

BREAK

MINUTES: The minutes from the Jan. 2004 OVH meeting were approved with no changes, Motion to approve by **David/KG4GIY**, seconded by **Brian/N8FK**.

TREASURER'S REPORT: The Treasurer's report was presented by **Bill/N4WJN**. The report was approved.

REPEATERS: **Butch/W4HJL** stated that all three repeaters are up and running. A new antenna will be going up. We will need to pay for the installation cost of approximately \$1,000.

EDUCATION: **Bill/K9ZD** - The next class starts **March 17** at **Stonewall Jackson High School** in Room 2B, a flyer is on our web site

HAMFEST: **David/KG4GIY** - We are where we should be at this time regarding preparation for the Hamfest. Vendor letters are about to be sent out. More people have volunteered, but David still needs more. The **Mt. Vernon ARC** will be doing the VE session so there will be no charge for the test. The **NCAC** is doing a workshop after the VC session about connectors and crimping. The **Vienna Wireless Hamfest** is Feb 29 at **NVCC Annandale Campus** and info can be found on viennawireless.com. **Jack/N4YIC** asked Vienna Wireless reps in attendance if they were willing to exchange tables with us at hamfest, they recommended going on their web page and signing up.

FIELD DAY: **Brian/N8FK** - We are where we should be at this time regarding preparation for Field Day. We are working on several items to try to establish a satellite contact. **Bill/N4WJN** will supply laptops for logging; he does need an 80211 card for one of the laptops.

MEMBERSHIP: **John/WA1STU** read in **Doris A. Spooner/KI4DAL**.

WEEKLY NETS: The rotating schedule is done thru April.

ARES: **David/KG4GIY** - April 17 is the **Manassas MS Walk**. Set up is at 7:30 a.m. and follows the same course as last year. The Dulles drill occurs on May 8. The **NCAC** will be meeting with the **Red Cross** to work out a regional plan to assist the Red Cross. The meeting is to be at the end of February, and the next training session will be the end of May. The Red Cross will be bringing their truck to Hamfest.

PUBLICITY: Steve/N4OGR wants someone to take over the publicity as Jan/KE4TMW is too busy to be able to get the information out.

PACKET: Bill/N4WJN thanked George/KE2AM for supplying the machine for packet. The Web page server is running. If you have any problems send Bill an E-mail and let him know the problem.

NEW BUSINESS

Dwight/N4GSD wanted to know if we could have a table at hamfest for code. David/KG4GIY indicated that this will be possible.

Mark/WA4KFZ had a response to his letter to Rep. Frank Wolfe about BPL. Mark received a stock response from FCC, and it looks as if they are pushing to get BPL up and running. Frank Wolfe is on the Homeland Security Committee.

George/KE2AM has magnetic signs for the side of your car. See George for prices and orders

David/KG4GIY sent in the orders for the antennas and they should be delivered on Thursday. He will need to separate and put the orders together for everybody and then will let you know when and where to pick up.

Paul/W4RI, who is a technical officer with ARRL, spoke on what the ARRL has done to send out letters on BPL to different organizations. He requested comments on measurements with noise levels to help our case.

Frank/KØBRA is getting calibrated equipment in place, and has done testing in Potomac that locked up the system with 4 watts. System in Manassas sounds different than the one in Potomac. A General discussion followed.

Butch/W4HJL said we have a "Tiger Team." They are going to get measurements as soon as BPL is running in Manassas to monitor the situation.

Bob/K4HJF said the City of Manassas is currently just testing BPL.

The meeting adjourned at 2145 Eastern time.

73s Phil/AC4PL

SUNSHINE CORNER

Thanks to Charlotte/KG4QXO for her work with Membership. We appreciate all the help you've given the Club!

Congratulations to John/WA1STU for picking up Membership. Thanks for volunteering!

Happy Birthday to our friends and Hams Jeff/N1SN, Russell/WB4HHN, and Noel/NW5N. Hope each one of you has a GREAT day!

All Members -- please volunteer to assist at the **Hamfest**. Those who regularly volunteer will appreciate the help, and the chance to see more of the Hamfest themselves, and of course the Club will benefit the most! A couple of hours is all we ask -- or you can give more! If you assist with setup on Saturday, the Club will feed you breakfast -- if you help out on Sunday, gather the family afterward for dinner provided by the Club!! Looking forward to seeing YOU there!

73 de Jan/KE4TMW

BPL Clearinghouse Info On OVH WEB

If you are a ham who is concerned about what BPL (Broadband over Power Lines) is, and how it will affect Amateur radio, SWL, emergency service, time standard and other HF reception, please go to <http://www.w4ovh.net/> and check the BPL Facts link on the main page.

If you know of any additional links that discuss BPL, please forward those in an e-mail to BPL@W4OVH.NET

Bill South/N4WJN/OVH WEBmaster

ARRL to Propose New Entry-Level License, Code-Free HF Access

(Jan 19, 2004) -- The ARRL will ask the FCC to create a new entry-level Amateur Radio license that would include HF phone privileges without requiring a Morse code test.

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ARRL Emergency Communications Course registration

(Mar 5, 2004) -- Registration opens Monday, March 8, 12:01 AM Eastern Time (0501 UTC), for the Level II Emergency Communications on-line course (EC-002). Registration remains open through the March 13-14 weekend or until all seats are filled--whichever



occurs first. Class begins Tuesday, March 23. Thanks to our grant sponsors--the Corporation for National and Community Service and the United Technologies Corporation--the \$45 registration fee paid upon enrollment will be reimbursed after successful completion of the course. During this registration period, approximately 60 seats are being offered to ARRL members on a first-come, first-served basis. To learn more, visit the ARRL [Certification and Continuing Education](#) (C-CE) Web page and the C-CE Links found there. For more information, contact Emergency Communications Course Manager Dan Miller, K3UFG, dmiller@arrl.org, 860-594-0340.

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FCC Proposes Rules for BPL Systems



(Feb 25, 2004) -- The FCC this week released its *Notice of Proposed Rule Making (NPRM)* on Broadband over Power Line (BPL) systems. The 38-page *NPRM*-in ET Dockets 03-104 and 04-37--proposes amendments to FCC Part 15 rules to define so-called "access BPL," make rules specific to BPL systems and provide measurement guidelines for BPL devices and systems. It would make no changes to Part 15 emission limits for unintentional radiators, however. ARRL CEO David Sumner, K1ZZ, says that while Part 15's current limits on unintentional radiators on HF may be appropriate for short-duration, narrowband emissions, they are inappropriate for the sort of long-

duration, broadband emissions BPL would employ. He compared short-duration, narrowband emissions at the Part 15 radiated emission limit to a helicopter flying overhead.

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A glimmer of hope for AO-40



(Mar 10, 2004) -- A weak "noise" on the AO-40 2.4-GHz beacon frequency has raised hopes that AO-40 may still be alive. AO-40 has been silent since January 27 (UTC), in the wake of a precipitous voltage drop. The satellite's controllers believe that one or more shorted battery cells are at the root of the problem. Colin Hurst, VK5HI, of the AO-40 command team reports that on March 9 between 0310 and 0320 UTC (orbit 1541) he "noted a noise peak of 4 to 5 dB" in the vicinity of the expected beacon frequency after he'd issued a transmitter reset command

sequence to the satellite. "The width of this peak was about 5 kHz," he said. After listening for about 15 seconds, he issued a command to shut down the transmitter, and the noise peak disappeared. Hurst said he also transmitted several commands involving the auxiliary batteries but did not attempt to turn the beacon on again. "This tends to suggest that the IHU [Internal Housekeeping Unit computer] and L Band [1.2 GHz] receiver are operational," Hurst said. The AO-40 command team theorizes that a cell in the main battery pack has shorted, clamping the bus voltage below the point where it can operate the satellite. The spacecraft's auxiliary batteries are believed to be in parallel with the main batteries, and commands sent so to swap to the auxiliary batteries have been unsuccessful. AO-40 Earth stations are continuing to send commands to the satellite in order to switch the batteries. Updates on AO-40 are available on the [AMSAT-DL](#) Web site.

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North Carolina Hams Experience Close BPL Encounter with FCC Chairman



(Mar 9, 2004) -- A Broadband over Power Line (BPL) home demonstration in the Raleigh, North Carolina, area March 5 provided an ideal opportunity for area amateurs to take their concerns to FCC Chairman Michael Powell face to face. While ARRL Public Information Officer Gary Pearce, KN4AQ, doesn't believe his brief encounter with the FCC head and longer discussions with Commission and electric utility staffers will stop or slow the seeming BPL juggernaut, they were valuable nonetheless.

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ARRL Exam Session Search
Downloaded from ARRL Website

13-Mar-2004

Sponsor: ANNE ARUNDEL RC
Time: 1:00 PM (Walk-ins allowed)
Contact: ROBERT L ROSE
(410)437-8193
Email: AA3RR@EROLS.COM
VEC: [Laurel VEC](#)
Location: AARC CLUBHOUSE
DAVIDSONVILLE FAMILY REC CTR
PRE-REGISTRATION PREFERRED
MAY REGISTER FROM 12 NOON TO 1
DAVIDSONVILLE, MD 21035

13-Mar-2004

Sponsor: AERO ARC
Time: 1:30 PM (Walk-ins allowed)
Contact: PATRICIA E STONE
(410)687-7209
Email: AC3FAC3P@YAHOO.COM
VEC: [ARRL/VEC](#)
Location: BALTIMORE COUNTY PUBLIC LIBRARY
2133 SANDPIPER CIRCLE
REGISTRATION @ 1:00 PM
WHITE MARSH, MD 21162

13-Mar-2004

Sponsor: MOUNT VERNON ARC
Time: 9:30 AM (Walk-ins allowed)
Contact: JOHN L FORREST
(703)971-3905
Email: WZ4A@ARRL.NET
VEC: [Laurel VEC](#)
Location: FIRST CHRISTIAN CHURCH-PARK IN REAR
2723 KING ST
DOOR@INTERSECTION OF CHURCH
& ATTACHED SCHOOL BUILDING
ALEXANDRIA, VA 22302

13-Mar-2004

Sponsor: MADISON VE TEAM
Time: 9:00 AM (Walk-ins allowed)
Contact: JOHN T BERRY
(540)543-2580
Email: AF4CY@ARRL.NET
VEC: [ARRL/VEC](#)
Location: MADISON WAR MEMORIAL BUILDING
MAIN STREET
MADISON, VA 22727

14-Mar-2004

Sponsor: PEN-MAR RADIO CLUB
Time: 11:00AM (Walk-ins allowed)
Contact: PATTON C STUMP
(717)632-4237
Email: WW3U@HOTMAIL.COM
VEC: [ARRL/VEC](#)
Location: MIDWAY FIRE CO
202 LINDEN AVE
HANOVER, PA 17331

14-Mar-2004

Sponsor: WARS & NSDXA
Time: 1:00 PM (Walk-ins allowed)
Contact: ALAN R MOECK
(540)869-1117
Email: WA2RPX@ARRL.NET
VEC: [ARRL/VEC](#)
Location: TIMBROOK PUBLIC SAFETY BUILDING
231 E PICCADILLY ST
PRE-REGISTRATION URGED
WINCHESTER, VA 22601

20-Mar-2004

Sponsor: LAUREL ARC VEC
Time: 9:00 AM (Walk-ins allowed)
Contact: JOHN B CREEL
(301)572-5124
VEC: [Laurel VEC](#)
Location:
384 MAIN ST
LAUREL WOMEN'S CLUB
PRE-REGISTRATION PREFERRED
LAUREL, MD 20707

04-Apr-2004

Sponsor: BALTIMORE ARC
Time: 2:00 PM (Walk-ins allowed)
Contact: LORENZ W SCHAEFER
(410)247-0578
Email: N3WKE@ARRL.NET
VEC: [Laurel VEC](#)
Location: BARC MTG & TRAINING FACILITY
12360 OWINGS MILLS BLVD
PRE-REGISTRATION PREFERRED
MAY REGISTER FROM 1 TO 2 PM
OWINGS MILLS, MD 21117

04-Apr-2004

Sponsor: DCMARC
Time: 12:30PM (Walk-ins allowed)
Contact: KENNETH L COURTNEY
(301)856-3005
Email: AA3NN@AOL.COM
VEC: [W5YI VEC](#)
Location: PALMER PARK REC CENTER
7720 BARLOWE RD
PALMER PARK, MD 20785

10-Apr-2004

Sponsor: ANNE ARUNDEL RC
Time: 1:00 PM (Walk-ins allowed)
Contact: ROBERT L ROSE
(410)437-8193
Email: AA3RR@EROLS.COM
VEC: [Laurel VEC](#)
Location: AARC CLUBHOUSE
DAVIDSONVILLE FAMILY REC CTR
PRE-REGISTRATION PREFERRED
MAY REGISTER FROM 12 NOON TO 1
DAVIDSONVILLE, MD 21035

10-Apr-2004

Sponsor: MOUNT VERNON ARC
Time: 9:30 AM (Walk-ins allowed)
Contact: JOHN L FORREST
(703)971-3905
Email: WZ4A@ARRL.NET
VEC: [Laurel VEC](#)
Location: FIRST CHRISTIAN CHURCH-PARK IN REAR
2723 KING ST
DOOR@INTERSECTION OF CHURCH
& ATTACHED SCHOOL BUILDING
ALEXANDRIA, VA 22302

10-Apr-2004

Sponsor: RICHMOND ARC/RAVE
Time: 9:00 AM (Walk-ins allowed)
Contact: PATRICK WILSON
(804)932-9424
Email: W4PW@ARRL.NET
VEC: [ARRL/VEC](#)
Location: J SARGEANT REYNOLDS COMM COLL
1651 E PARHAM RD-BLDG B
WWW.W4PW.NET (TO REGISTER)
PRE-REGISTRATION URGED!
RICHMOND, VA 23228

10-Apr-2004

Sponsor: SOUTHERN YORK COUNTY VE TEAM
Time: 10:00AM (Walk-ins allowed)
Contact: CAROL KIRSCHMAN
(717)235-0273
VEC: [ARRL/VEC](#)
Location: SHREWSBURY BOROUGH HALL
35 W RAILROAD AVE
CAROL@NFDC.NET
KC6GMN@NFDC.NET
SHREWSBURY, PA 17361

11-Apr-2004

Sponsor: WARS & NSDXA
Time: 1:00 PM (Walk-ins allowed)
Contact: ALAN R MOECK
(540)869-1117
Email: WA2RPX@ARRL.NET
VEC: [ARRL/VEC](#)
Location: TIMBROOK PUBLIC SAFETY BUILDING
231 E PICCADILLY ST
PRE-REGISTRATION URGED
WINCHESTER, VA 22601

13-Apr-2004

Sponsor: YORK HAMFEST FOUNDATION
Time: 7:00 PM (Walk-ins allowed)
Contact: RAYMOND A SHAUB
(717)292-3529
Email: W3AXC@ARRL.NET
VEC: [ARRL/VEC](#)
Location: ADAMS ELECTRICAL CO-OP
200 TRINITY ROAD
ADAMS ELEC CO-OP MTG RM
INTESECTION US RT 30 & PA 616
YORK, PA 17404

17-Apr-2004

Sponsor: LAUREL ARC VEC
Time: 9:00 AM (Walk-ins allowed)
Contact: JOHN B CREEL
(301)572-5124
VEC: [Laurel VEC](#)
Location:
384 MAIN ST
LAUREL WOMEN'S CLUB
PRE-REGISTRATION PREFERRED
LAUREL, MD 20707

18-Apr-2004

Sponsor: RAPPAHANNOCK VE GROUP
Time: 1:30 PM (Walk-ins allowed)
Contact: CURT R BARTHOLOMEW
(540)720-2392
Email: N3GQ@ARRL.NET
VEC: [ARRL/VEC](#)
Location: PORTER MEMORIAL LIBRARY
2001 PARKWAY BLVD
WWW.N4NW.ORG
STAFFORD, VA 22554

Special Events

Downloaded from ARRL Website

March

Arlington Heights, IL: US Peace Corps ARC, KA9NLX. 1700Z **Mar 1**-2200Z **Mar 7**. 43rd Anniversary of founding of United States Peace Corps. 28.500 21.375 14.325 7.283. Certificate. John Paskevich, 1423 North Ridge Ave, Arlington Heights, IL 60004.

Various, England: Royal Signals Amateur Radio Society, GB6OT. 0700Z **Mar 5**-2359Z **Apr 1**. 60th Anniversary of Op Thursday Burma 1944. 21.070 21.056 14.070 14.056. QSL. Mike Humphrey, G0SWY/KF4OFR, 4 Bluebell Rd, Bassett Southhampton, Hampshire, England SO16 3LQ. <http://www.rsars.org.uk/>. Amateurs outside the UK, please send 1€dollar or \$1 US to cover postage.

Weeki Wachee, FL: Spring Hill Amateur Radio Club, W4W. 1000Z **Mar 5** and 2400Z **Mar 7**. Celebrating the 11th Annual Weeki Wachee Swamp Fest. 14.260 7.260 7.040. QSL. W4W/Spring Hill ARC, PO Box 6083, Spring Hill, FL 34611. <http://www.kf4ixu.com/>.

Chesapeake, VA: Chesapeake Amateur Radio Service, W4CAR. 1500Z-2100Z **Mar 6**. 142nd Anniversary, *Monitor-Merrimac* Battle of the Ironclads. 28.362 21.362 7.262 146.82. Certificate. W4CAR, PO Box 6867, Chesapeake, VA 23323. <http://www.qsl.net/cars>.

Naples, FL: Amateur Radio Association of Southwest Florida, K4YHB. 1400Z **Mar 6**-2000Z **Mar 7**. Annual Spring Swamp Buggy Races. 12 m 17 m. Certificate. Mark Kennedy, K4SWF, 1241 12th St N, Naples, FL 34102. <http://www.araswf.org/>.

Hermann, MO: Hermann Bearcat Amateur Radio Club, K0S. 1400Z **Mar 9**-2100Z **Mar 10**. Science class study of radio spectrum. 14.250 14.246 147.135. Certificate. Saint George Catholic Elementary School, 133 W 4th St, Hermann, MO 65041.

New Port Richey, FL: Gulf Coast Amateur Radio Club, K4C. 1200Z **Mar 18**-2000Z **Mar 28**. The 82nd Annual Chasco Fiesta. 28.360 21.250 14.250 7.245. Certificate. GCARC-Chasco, PO Box 595, New Port Richey, FL 34656-0595.

Princeton, NJ: Mercer County ARES/Central NJ American Red Cross, N2ARC. 2300Z **Mar 19**-2300Z **Mar 21**. March is Red Cross Month, celebrating ARES/ARC partnership. 28.445 14.255 7.240 3.952 2 m 220 MHz APRS. Certificate. Gerry Jurrens, N2GJ, POB 147, Kingston, NJ 08528. users.tellurian.com/gjurrens/n2arc_special_event.htm.

Macon, GA: Macon Amateur Radio Club, W4BKM. 1500Z-2200Z **Mar 20**. 22nd Annual Cherry Blossom Festival. 14.240 21.335 7.055 14.055. Certificate. Macon ARC, PO Box 4862, Macon, GA 31208.

Brampton, ON, Canada: Peel/Mississauga Amateur Radio Clubs, VE3XR. 1300Z-1700Z **Mar 20**. HAM-EX Annual Hamfest. 14.240 7.240. QSL. Michael Brickell, 2801 Bucklepost Cres, Mississauga, ON, Canada L5N 1X6.

Virginia Beach, VA and Moss, Norway: Virginia Beach Amateur Radio Club, Inc and Mossegruppen av NRRL, W4UG and LA5M. 1300Z **Mar 20**-2200Z **Mar 21**. 113th anniversary of the Norwegian Lady. 14.278 14.040 7.280 7.040. Certificate. VBARC, PO Box 62003, Virginia Beach, VA 23462.

Wellsboro, PA: Nessmuk Amateur Radio Association, W3BGK. 1500Z **Mar 24**-2100Z **Mar 28**. 200th anniversary of Tioga County. 14.240 7.240. Certificate. Nessmuk ARA W3BGK, PO Box 101, Wellsboro, PA 16901. For more information contact jantonio@epix.net.

Ebensburg, PA: Conemaugh Valley Amateur Radio Club, W3C. 1300Z **Mar 26**-0300Z **Mar 27**. Cambria County Bicentennial. 21.300 14.250 7.230 3.985. QSL. David Knepper, PO Box 34, Sidman, PA 15955. <http://www.cambriacobicentennial.com/>.

Timonium, MD: Baltimore Amateur Radio Club, W3FT. 1300Z **Mar 26**-2000Z **Mar 27**. Celebrating the Greater Baltimore Hamboree and Computerfest. 14.265 7.265. Certificate. W3FT C/O GBH&C, PO Box 95, Timonium, MD 21094.

Waco, TX: Lake Whitney Amateur Radio Society, WA5BU. 1600Z-2000Z **Mar 27**. Activating the Baylor University Ham Club Radio Station. 28.425 21.300 14.250 7.250. QSL. Allen Newton, PO Box 1181, Whitney, TX 76692.

April

Saginaw, MI: Saginaw Valley Amateur Radio Association Inc, K8DAC. 1200Z **Apr 1**-0200Z **Apr 2**. Ojibway Island DXpedition. 21.325 14.225 3.530. Certificate. SVARA Ojibway Island DXpedition, PO Box 1785, Saginaw, MI 48605.

Dillon Beach, CA: Friends and Amateur Radio Communications Enthusiasts, KF6NNM. 2342Z **Apr 2**-0742Z **Apr 4**. Inaugural Founders non-Field Day & Beach party. 28.450 14.250 7.250. QSL. FARCE non-Field Day, 4225 Galewood Way, Carmichael, CA 95608. <http://www.kf6nnm.org/>.

Terre Haute, IN: Wabash Valley Amateur Radio Association, Inc, W9U. 0000Z **Apr 2**-2359Z **Apr 11**. WVARA 70th year of ARRL affiliation. 28.470 21.370 14.270 7.270. Certificate. WVARA, PO Box 81, Terre Haute, IN 47808-0081. <http://www.w9uuu.org/>.

Tulsa, OK: Tulsa Health Department Amateur Radio Club, K5THD. 0000Z-2400Z **Apr 3**. Tulsa Health Department/OK-1 DMAT Joint Readiness Exercise. 28.365 21.365 14.265 7.265. Certificate. Tulsa Health Department Amateur Radio Club, Attn: Dave Cox, 5051 S 129th E Ave, Tulsa, OK 74134. <http://www.tulsa-health.org/k5thd>.

Peoli, OH: Tusco Radio Club, W8ZX. 1700Z-2300Z **Apr 5**. 1st day of baseball season, operating from Cy Young's home town. 14.275 7.250 3.925. QSL. Jim Foote, K8KSN, 3015 Larson Rd SE, Uhrichsville, OH 44683.

Schenectady, NY: Union College Amateur Radio Society, W2UC. 2300Z **Apr 9**-0100Z **Apr 10**, and Schenectady Amateur Radio Association, K2AE. 1400Z **Apr 10**-1800Z **Apr 10**. Birthday of Charles P. Steinmetz, Engineer and Professor. 28.435 7.250. QSL. George H. Williams, Steinmetz Hall 210, Union College, Schenectady, NY 12308. <http://w2uc.union.edu>.

Outer Banks, NC: ARLHS, N4L. 1400Z-2400Z **Apr 10**. North Carolina Light Houses of the Outer Banks, 192 years. 21.260 14.260 7.260. Certificate. Gary Tilton, 131 Almond Tr, Pinnacle, NC 27043. <http://www.n4jne.com/>.

Bellevue, NE: Bellevue Amateur Radio Club, W0WYV. 1300Z **Apr 10**-0500Z **Apr 11**. Celebrating 45 years of service to Bellevue and Sarpy County. 28.345 21.345 14.245 3.945 147.39 50.125. QSL. Tom Huber, WD0BFO, 7518 Chandler Hills Dr, Bellevue, NE 68147.

Indianapolis, IN: RCA Amateur Radio Club, W9RCA. 1300Z **Apr 10**-2200Z **Apr 11**. 50th Anniversary of 1st production RCA color TV set. 28.450 21.350 14.250 7.250. QSL. RCA Amateur Radio Club, 624 Lexington Blvd, Carmel, IN 46032.

Indian Orchard, MA: Titanic Historical Society, Inc, W1MGY. 1330Z **Apr 10**-0527Z **Apr 15**. Commemorating the 92nd anniversary of the *Titanic* disaster. 14.260 14.033 7.260 7.033. QSL. W1MGY/Titanic Historical Society, Inc, PO Box 51053, 208 Main St, Indian Orchard, MA 01151-0053. <http://www.titanichistoricalsociety.org/>.

San Juan, PR: Puerto Rico Amateur Radio League, KP4ES/SKP. 1800Z **Apr 11**-0200Z **Apr 12**. 1st Puerto Rico Straight Key Party. 28.030 21.030 14.030 7.030. QSL. Puerto Rico Amateur Radio League, PO Box 191917, San Juan, PR 00919-1917. <http://www.prarl.org/actividades.html>.

Senigallia/Ancona, Italy: Ancona and Senigallia Amateur Radio Clubs, I6CC. 0600Z **Apr 15**-2200Z **Apr 18**. XV Annual Meeting of the National Association of Carabinieri. HF/VHF/UHF SSB/CW/RTTY. QSL. Via IZ6FUQ (bureau); or for QSL with special postmark: ARI Associazione Radioamatori Italiani, PO Box 122, 60100 Ancona Italy (send 1 Euro or \$1 US to cover postage), by May 14, 2004. For more information: iz6fuq@tiscali.it.

Ames, IA: Cyclone Amateur Radio Club, W0ISU. 0600Z **Apr 15**-0600Z **Apr 19**. VEISHEA Celebration at Iowa State. 28.460 14.260. QSL. Skip Walter, ADOH, 132 Broadmoor Cir, Ames, IA 50010-4851.

Lexington, KY: Aviation Museum of Kentucky, KY4AMK. 0300Z **Apr 16**-2200Z **Apr 17**. Scoutworld 2004. 28.450 21.070 14.070 7.070. QSL. Aviation Museum of Kentucky, PO Box 4118, Lexington, KY 40544. <http://www.aviationky.org/>.

Ashland, OH: Ashland Area Amateur Radio Club, W8O. 1200Z-1900Z **Apr 17**. Ashland County Earth Day 2004. 7.300 7.025 4.000 3.525. Certificate. AAARC/W8RPS, 834 CR 30A, Ashland, OH 44805.

Jacksonville, TX: Cherokee County Amateur Radio Club, K5JVL. 1500Z **Apr 17**-0500Z **Apr 18**. 3rd Annual Drakes on the Lake Special Event Station. 21.375 14.275 7.275 3.875. Certificate. Cherokee County ARC, 840 Henderson St, Jacksonville, TX 75766. <http://www.k5jvl.org/>.

Hawthorne, NJ: Bergen Amateur Radio Association, K2BAR. 1300Z-2000Z **Apr 17**. 11th Annual Earth Day Celebration. 28.350 21.350 14.250. Certificate. Fred Buchner, 202 10th Ave, Hawthorne, NJ 07506.

Piscataway, NJ: Piscataway Amateur Radio Club, K2VOA. 0000Z-2400Z **Apr 18**. Former Voice of America relay station WBOU. 28.370 21.370 14.270 7.270. Certificate. Bill Toth, 6 Rivercrest Dr, Piscataway, NJ 08854.

Millville, NJ: Millville Army Airfield Museum, N2M. 0401Z **Apr 20**-1600Z **May 3**. 2004 AmExpo and Wheels & Wings Air Show. 448.525 146.655 14.275 3.925. QSL. Millville Army Airfield Museum "AMEXPO," Bldg 1 Millville Airport, Millville, NJ 08332. <http://www.p47millville.org/>.

Brainerd, MN: Brainerd Area Amateur Radio Club, W0UJ. 1400Z-2200Z **Apr 24**. Crosby MN--Birthplace of the Space Age? 28.450 21.350 14.250. Certificate. BAARC, PO Box 801, Brainerd, MN 56401. <http://www.brainerdham.org/>.

East Meadow, NY: Nassau Amateur Radio Club, K2VN. 1500Z-2000Z **Apr 24**. Commemorating Scout Walk 2004. 14.240 7.240. Certificate. Jim Mezey, W2KFV, 38 Appletree Ln, Carle Place, NY 11514. <http://www.nassauarc.org/>.

Guelph, Ontario, Canada: Quarter Century Wireless Association, VE3HC. 1300-2100Z **Apr 24** and 1300-2100Z **Apr 25**. 30th anniversary of Fred Hammond Chapter 73 QCWA. 28.325 21.365 14.263 7.244 3.890. QSL. Hammond Museum of Radio VE3BJ, 595 Southgate Dr, Guelph, ON, Canada N1G 3W6. <http://www.qcwa.ca/>.

Manitowoc, WI: USS *Cobia* Radio Club/Mancorad Radio Club, N9BQV. 1400Z **Apr 24**-2200Z **Apr 25**. WWII USS *COBIA* AGSS-245 sub radio reactivation. 28.343 21.343 14.243 7.243. QSL. Fred Neuenfeldt, W6BSF, 4932 S 10th St, Manitowoc, WI 54220. <http://www.qsl.net/w9dk>.

Cleburne, TX: TAEC & Johnson County Amateur Radio Clubs, K5AEC. 1500Z **Apr 24**-2400Z **Apr 25**. Johnson county 150 centennial celebration. 14.250. QSL. Gerald Mohr, 1000 CR 414, Cleburne, TX 76031.

Wells County, IN: Grant County Amateur Radio Club, W9EBN. 1700Z-2200Z **Apr 25**. McNatt United Methodist Church Ham Radio Fellowship Event. 146.79 28.410 14.226 7.228. Certificate. L. B. Nickerson, 517 N Hendricks Ave, Marion, IN 46952. <http://www.grantarc.com/>.

ARRL's Logbook of the World

ARRL's *Logbook of the World* (LoTW) system is a repository of log records submitted by users from around the world. When both participants in a QSO submit matching QSO records to LoTW, the result is a QSL that can be used for ARRL award credit.

To minimize the chance of fraudulent submissions to LoTW, all QSO records must be digitally signed using a digital certificate obtained from ARRL. Obtaining such a certificate requires verification of the licensee's identity either through mail verification (US) or inspection by ARRL of required documentation (non-US).

Software developed by ARRL can be used to convert a log file (in ADIF or Cabrillo file format) into a file of digitally signed QSO data, ready for submission to LoTW.

LoTW began operation on September 15, 2003.

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