



N.E.W.S. LETTER

The Official Publication of the North East Weak Signal Group – http://www.newsvhf.com/

April, 2014 Volume 23 Issue 3

<u>©40th Eastern VHF/UHF/Microwave Conference</u><u>©</u>

↑↑↑ April 11th – 13th, 2014 ↑↑↑

BAYMONT INN & SUITES (860)-643-5645 20 TAYLOR ST. (OFF I-84) MANCHESTER, CT 06042



DON'T FORGET

The North East Weak Signal Group 2 Meter VHF and Above Net Every Thursday at 8:30 PM local 144.250 MHz. W1COT, WZ1V or K1PXE Net Control

MEMBERSHIP in the N.E.W.S Group is \$15 per year. Apply to Tom Williams, WA1MBA. Email tomw(at)wa1mba.org You may download an application from our web page:

http://www.newsvhf.com/

The N.E.W.S. LETTER is the publication of the North East Weak Signal Group. Articles may be reprinted with proper credit given to the author and the N.E.W.S. LETTER. Send articles to Tom Filecco W1WSO, via email to w1wso.fn31@gmail.com.

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ACTIVE ON: 6, 2, 432, 1296

2014 NEWS CALENDAR:

April 11-13 - Eastern VHF-UHF Conference

April 15, 1900-2300 Local - 222 MHz Spring Sprint

April 20 - Lyrids meteor shower

April 23, 1900-2300 Local - 432 MHz Spring Sprint

April 25-26 - Southeastern VHF Society Conference

May 2-3 - New England Amateur Radio Festival - Deerfield, NH

May 3, 0600-1300 Local - Microwave Spring Sprint

May 10-11, 2300-0300Z - 50 MHz Spring Sprint

May 16-18 - Dayton Hamfest

June 14-16, 1800Z-0300Z - ARRL June VHF QSO Party

June 28 - Rochester NY RARA Hamfest

July 12, 11AM - 4PM - N.E.W.S. Group Picnic

July 19-20, 1800Z - 2100Z - CQ Worldwide VHF Contest

August 2-3, 1800Z - 1800Z - ARRL UHF Contest

August 9, 2000-0000 UTC - 50 MHz Fall Sprint

August 11-12 - Perseids meteor shower

August 16-17, 6AM - 11:59:59PM - ARRL 10-GHz & up Cumulative Contest

September 6, 1PM - 4PM - N.E.W.S. Group Meeting

September 13-15, 1800Z-0300Z - ARRL September VHF QSO Party

September 20-21, 6AM - 11:59:59PM - ARRL 10-GHz & up Cumulative Contest

September 22, 1900-2300 Local - 144 MHz Fall Sprint

September 26-28 - Mid-Atlantic VHF Conference

October 1, 1900-2300 Local - 222 MHz Fall Sprint

October 9, 1900-2300 Local - 432 MHz Fall Sprint

October 10-11 - New England Amateur Radio Festival - Deerfield, NH

October 11, 0700-1300 Local - Microwave Fall Sprint

October 12, 8AM-2PM - Nutmeg Hamfest & ARRL CT State Convention

October 17-18 - Microwave Update - Rochester, NY

November 16 - Leonids meteor shower

November 22, 1PM - 4PM - N.E.W.S. Group Meeting

December 11 - Geminids meteor shower

40th Eastern VHF/UHF Conference

http://www.newsvhf.com/vhfconf.html

The aim of the Conference is to share with our fellow VHFer's and above technical achievements in the field of communication and experimentation. You are all invited to participate by presenting a technical paper or submitting one for publication in the Conference Proceedings CD. Just your attendance is also welcome and we have a full program scheduled once again this year. If you are interested in presenting a paper at the conference or submitting one for the Proceedings please contact: Paul Wade, W1GHZ at W1GHZ@arrl.net

For the technical presentations, PowerPoint presentations are preferred, but not required. The conference will provide an LCD projector, screen and wireless microphone for use by its participants. If your presentation requires a different format such as a slide projector, please contact me prior to the conference and I will arrange for it. A Conference Proceedings will be published on CD. You do not need to be a speaker to have your material included in the proceedings, just interested in sharing with your fellow radio enthusiasts, so please send it along before APRIL 1, 2014. In addition to our technical presentations we'll have a Manufacturers Demo open Saturday afternoon. We'll also have Greg Bonaguide, WA1VUG of Rohde & Schwarz America to manage the preamp noise figure and gain measurement Lab Session (10MHz-50GHz). This year we'll be able to measure power from DC to 110 GHz, Spectrum Analyzer for DC to 50 GHz, Phase noise to 50 GHz, and Noise Figure to 18 GHz. 2 Vector Network Analyzers: 10 MHz to 70 GHz, and 100 kHz to 8.5 GHz. We encourage you to bring equipment you'd like to have tested. Mark Casey, K1MAP will head up the Sunday morning flea market. Michele Clement W1MKY and Tom Filecco W1WSO will be handling the Door Prize Donations. This years' VHF-SHF Trivia Quiz will be hosted by Dave Olean, K1WHS. The Proceedings CD with the event schedule and many interesting articles is included with your conference registration fee and will be presented to you when you arrive. Hope to see you soon!

73,

Conference Chairman and Proceedings Editor:

Paul Wade, W1GHZ PO Box 35 Cabot, VT 05647 802-563-2110 Home Email W1GHZ

Door Prize Coordinators:

Tom Filecco W1WSO and Michele Clement W1MKY

Ship Door prizes to:

Tom Filecco, 163 Bemis St, Terryville, CT 06786.

Email W1WSO Email W1MKY

SWAP n SELL INFO:

MARK CASEY, K1MAP 303 Main Street Hampden, Mass 01036 (413) 566-8118 (work) or 413-222-9292 Email K1MAP

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Official Webpage: http://www.newsvhf.com
For Eastern VHF/UHF Conference latest news updates and Registration forms.

Click here: http://www.newsvhf.com/photos.html
For past Conference Photos.

Friday, April 11, 2014

PM

1:00 Early Arrivers LUNCH - meet in Baymont Lobby with K1MAP

2:00 Meeting room opens for early arrivers to Amplifier Roundtable

3:00-5+ ROUNDTABLE SESSION – Solid-State Power Amplifiers -N1JEZ, K1WHS, N1DPM

6:00-10 HOSPITALITY in the Baymont Meeting Rooms-Mark Casey, K1MAP

6:00-9 Inside Swap 'n Sell Buy and Sell VHF-UHF-Microwave gear

Saturday, April 12, 2014

AM

7:00 Continental BREAKFAST for those staying at the Baymont

7:30 REGISTRATION Starts Ron Klimas, WZ1V

8:15 WELCOME! Paul Wade, W1GHZ

8:30 PROGRAM BEGINS

8:30 **W3SZ, Roger Rehr - Aircraft Scatter 2014

9:15 **N1DPM, Fred Stefanik - A FreshApproach to a Multiband Microwave Station

10:00 AUCTION! and Hospitality BREAK

10:25 **KB1VC, Matt Reilly - SoDa - A Multimode VHF/UHF Software Defined Radio

11:15 **K3TUF, Phil Theis - Advances in SmartSDR Operations

11:35 **WA1ZMS, Brian Justin - The Facts of 2m Trans-Atlantic Propagation, and What We Do and Don't Know

12:00 LUNCH (choose one of our fine local restaurants)

PM

1:00 TEST LAB begins Greg Bonaguide, WA1VUG of Rhode & Schwartz

1:15 **Jon Wallace - MicrowaveAntenna Demonstrations Based on the IEEE Presentation by John Kraus

2:00 **N1JEZ, Mike Seguin - LDMOSAmplifier Linearization using PowerSDR mRX Pure Signal

2:45 **K3TUF, Phil Theis - Solar PhotoVoltaic Power

3:05 BREAK

3:15 **N1RJX/G6YZC Paul Newcombe - LarcanAmplifier Conversion

3:35 **N1ZN, Jim Savage - How Hardline is Made

3:55 **W1GHZ, Paul Wade - VHF, UHF, and Microwave Filters and Amplifiers in Altoids tins

4:15 AUCTION

4:20 **AF1T, Dale Clement - An Illuminating Introduction to Antenna Stacking and Phasing

5:20 NEWS meeting

5:30 Pre-Banquet HOSPITALITY Room

7:00 BANQUET

Tom KirbyMemorial Award

Trivia Quiz

Banquet Speaker

Door PrizeExtravaganza

Sunday, April 13, 2014

AM

7:00 Continental Breakfast for those staying at the Baymont

8:00 SWAP 'n SELL

Buy and Sell VHF-UHF-Microwave gear in the Parking Lot-K1MAP

Any Questions?-Problems?-Need Info during the Conference?

Please Ask one of the Co-Chai rmen

Paul Wade, W1GHZ

Ron Klimas, WZ1V

Mark Casey, K1MAP

or call Mark at 413-222-9292





ARRL National Centennial Convention 2014

Thursday, July 17, 2014 - Saturday, July 19, 2014

http://arrl2014.org/

Connecticut Convention Center

100 Columbus Blvd

Hartford, Connecticut 06103

Come celebrate! Thousands of members and friends of ARRL will gather at the Connecticut Convention Center in Hartford, ARRL's birthplace, to celebrate the organization's first 100 years of members "Advancing the Art and Science of Radio." Founded in 1914, ARRL (American Radio Relay League) is the national association for Amateur Radio in the US and the largest organization of radio amateurs, or "hams," in the world.

Thursday, July 17, 2014

All-Day Training Tracks: (8:30 AM to 4:30 PM) public service, technology, radiosport, and more!

Lunch with special guest speaker

International Guests "Welcome" Reception

Short bus trip to tour ARRL headquarters and W1AW

Friday & Saturday, July 18-19, 2014

Exhibit Hall featuring ARRL program representatives, Amateur Radio manufacturers, equipment sellers, and an indoor flea market. Hours: Friday 9 AM to 5 PM; Saturday 9 AM to 4 PM

Dozens of forums and presentations

Friday night ARRL Centennial Banquet with keynote speaker, FEMA Administrator, Craig Fugate, KK4INZ.

ARRL Wouff Hong Ceremony, Friday 11:30 PM

Short bus trip to tour ARRL headquarters and W1AW

Saturday morning Presidents Breakfast

Closing ceremony Saturday evening

Sunday, July 20, 2014

No Convention Center activities

Short bus trip to tour ARRL headquarters and W1AW

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Tom Williams
WA1MBA

Warren Stone 222 MHz amplifiers

http://members.rennlist.org/warren/ larcanamps.html Fred Stefanik N1DPM

Paul Wade Di

Dick Frey

Don Twombly

W1GHZ

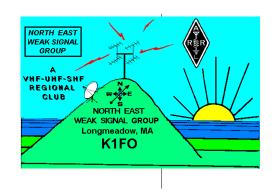
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ARRL member? Y N Electronic Newsletter Delivery?	<u>Y</u> <u>N</u>
Operational Bands (circle) 50 MHz 144 MHz 222 MHz	432 MHz 903 MHz
1.2 GHz 2.3 GHz 3.4 GHz 5.6 GHz 10	GHz 24 GHz 47 GHz

The North East Weak Signal [N.E.W.S.]Group is being established to form a camaraderie among fellow VHF-UHF-SHF enthusiasts, and support a convenient means to exchange technical information. We currently have 6 meetings per year, held at a centrally located facility, and provide a "NEWSLETTER" that is distributed 2 weeks prior to each meeting. Any contributions to this publication are appreciated and can be sent to: Tom Filecco, W1WSO via email – w1wso@comcast.net. Dues are \$15/year. Remember, this group is formed by VHF'ers for VHF'ers.

Mail to:

76 GHz Light

North East Weak Signal Group c/o WA1MBA Tom Williams PO Box 28 Shutesbury, MA 01072

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Check your membership expiration date on your mailing label!	
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