40th Eastern VHF/UHF/Microwave Conference

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.
N.E.W.S. GROUP OFFICERS

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**ACTIVE ON:**

**VICE PRES:**
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ACTIVE ON: 6, 2, 10 GHz.

**SPECTRUM MGR:**
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map@mapinternet.com
ACTIVE ON: 6, 2, 222, 432, 903, 1296, 2304, 3456, 5760, 10 GHz

**BOARD OF DIRECTORS:**
(All terms expire 2015)
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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

* Sponsored by the North East Weak Signal Group
* ARRL-Affiliated

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 Fresh Approach 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 - Microwave Antenna Demonstrations Based on the IEEE Presentation by John Kraus
2:00  **N1JEZ, Mike Seguin - LDMOS Amplifier Linearization using PowerSDR mRX Pure Signal
2:45  **K3TUF, Phil Theis - Solar Photovoltaic Power
3:05  BREAK
3:15  **N1RJX/G6YZC Paul Newcombe - LaranCan Amplifier 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 Prize Extravaganza
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-Chairmen
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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- ARRL - The national association for AMATEUR RADIO®
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- Bird Technologies®
- Belden - Sending all the right signals
- Coilcraft
- CQ Amateur Radio
- FlexRadio Systems®
- DX Engineering
- Ham Radio Outlet
- Mini-Circuits®
- MFJ

Above Company Trademarks
2014 VHF/UHF Conference Supporters

Paul Wade      Dick Frey        Don Twombly
W1GHZ           WA2AAU           W1FKF
Fred Stefanik
N1DPM

If we missed any Supporters Contact
Mark K1MAP

http://www.rf-consultant.com/

Tom Williams
WA1MBA

Warren Stone  222 MHz amplifiers
http://members.rennlist.org/warren/\n\larcanamps.html

Fred Stefanik
N1DPM

156x136 to 402x180
Name: __________________________________________________________________

Call sign: _____________________ Grid: ______________

Street: ___________________________________________________________________

City: ____________________________________ State: _________Zip: _____________

Phone (home) ________________________ Optional (work) ________________________

Email ___________________________________________________________________

ARRL member?  Y  N  Electronic Newsletter Delivery?  Y  N

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 
76 GHz  Light  Other (list)

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:
North East Weak Signal Group
c/o WA1MBA  Tom Williams PO Box 28
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"Call: 800-777-0703 to order a Spring/Summer catalogue".

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Check your membership expiration date on your mailing label!