43rd EASTERN VHF/UHF/MICROWAVE CONFERENCE
APRIL 21-23, 2017
BAYMONT INN & SUITES (860)-643-5645
20 TAYLOR ST. (OFF I-84 at exit 63)
MANCHESTER, CT 06042

Be sure to check http://www.newsvhf.com for the latest conference updates

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GENERAL MEETING
The April NEWS Meeting will be at the Conference.
See the Conference Schedule.

DON’T FORGET
The North East Weak Signal Group 2 Meter 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 John Crawford, N2OY. E-mail: n2oy.vhf@gmail.com.
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 by e-mail to George Collins, KC1V at news.kc1v@gmail.com.
Secretary's Report

- NEWS Meeting 11 March 2017 at Storrs Library, Longmeadow, MA
- Called to Order by President, WA2AAU, at 1316

TREASURERS REPORT – N2OY
- Balance $4382
- 101 paid up members

OLD BUSINESS
- VHF Conference: Conference not listed in ARRL weekly newsletter

NEW BUSINESS
- None

ANOUNCEMENTS
- Greylock 10GHz beacon back on
- Mt. Washington 10GHz beacon down

Meeting adjourned 1329 EDT

SPEAKER
- Jonathan Lamb AC2JU of Amphenol RF, “RF Coaxial Connector Design”

SHOW and TELL
- W1GHZ: New 10GHz Transverter Dual-band 5 & 10 GHz Feedhorn for AMSAT Phase 4
- W1FKF: Antenna Analyzer from China - Inexpensive, covers 2 meters to 2.4 GHz

SHOW and TELL (cont.)
- N1JEZ: Lime SDR

Treasurer's Report

We continue to have new paid members joining, even with the moratorium in place! For any new members who join and send payment, I have been applying the payment toward their 2018 membership, continuing in the spirit of the 2017 dues moratorium.

Registration for the 2017 NEWS VHF Conference is still open, and as of the time of this writing we have 63 people registered. You may register online via PayPal at

http://newsvhf.com/regpayp.html

or print a registration form from

http://newsvhf.com/regmail.html

and mail it to the address on the form to register. Don’t forget to register before April 10 to lock in the $20 registration fee! I look forward to seeing everyone at conference later this month!

73, John – N2OY

Buy – Sell – Trade

Want to Buy: 1/2” and 7/8” heliax. Jay, W1VD (jrusgrove@comcast.net)

Conference Door Prizes: If you have anything that you would like to donate as a door prize let Mickie W1MKY or me know. Please no boat anchors!! Save them for the Flea Market Sunday.

(dpcllement@tds.net donw1fkf-prizes@yahoo.com)
# 43rd Eastern VHF/UHF/Microwave Conference 2017

## Presentation and Event Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Friday 21 April</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1300</td>
<td>KM3G</td>
<td><em>Early Arrivers Lunch – Meet KMAP in Lobby</em></td>
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<tr>
<td>1430-1700</td>
<td>N1JEZ &amp; W1GHZ</td>
<td>Arduino workshop</td>
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<tr>
<td>1430-1700</td>
<td>W1GHZ</td>
<td>Microwaves without a Wheelbarrow of $$$</td>
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<tr>
<td>1700-2300</td>
<td></td>
<td>Hospitality</td>
</tr>
<tr>
<td>1930</td>
<td></td>
<td>Swap session - indoors, small stuff</td>
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<tr>
<td><strong>Saturday 22 April</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>700</td>
<td></td>
<td><em>Continental BREAKFAST for Hotel Guests</em></td>
</tr>
<tr>
<td>730</td>
<td></td>
<td><strong>Registration</strong></td>
</tr>
<tr>
<td>815</td>
<td></td>
<td><em>Welcome</em></td>
</tr>
<tr>
<td>830</td>
<td>W3HMS</td>
<td>The PA Microwave Luncheon Experience</td>
</tr>
<tr>
<td>915</td>
<td>W1GHZ</td>
<td>Simple and Cheap Transverter for 10 GHz</td>
</tr>
<tr>
<td>1000</td>
<td></td>
<td><em>Break</em></td>
</tr>
<tr>
<td>1030</td>
<td>W2RMA</td>
<td>Low-cost 100-watt amplifier for 222 MHz</td>
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<tr>
<td>1100</td>
<td>W9JJ</td>
<td>222 MHz and Up Distance Contest Forum</td>
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<tr>
<td>1200</td>
<td></td>
<td><em>Lunch</em></td>
</tr>
<tr>
<td>1300-1700</td>
<td>WA1VUG</td>
<td><em>Test Equipment courtesy of Rohde &amp; Schwarz</em></td>
</tr>
<tr>
<td>1330</td>
<td>KB1VC</td>
<td>Reclaiming a Waveguide Switch - An Adventure in 3D Printing</td>
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<tr>
<td>1400</td>
<td>K8ZR</td>
<td>WSJT-X MSK144 and VHF Contesting</td>
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<tr>
<td>1415</td>
<td>N1JEZ</td>
<td>Lime SDR for VHF and Microwaves - First Look</td>
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<tr>
<td>1500</td>
<td></td>
<td><em>Break</em></td>
</tr>
<tr>
<td>1530</td>
<td>W3SZ</td>
<td>Aircraft Scatter Update 2017: When, How and Why to Use AS</td>
</tr>
<tr>
<td>1600</td>
<td>KA2LIM</td>
<td>Building a 10GHz Rover</td>
</tr>
<tr>
<td>1645</td>
<td>W1FKF &amp; W1GHZ</td>
<td>Antenna Analyzer Pet Tricks</td>
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<tr>
<td>1715</td>
<td>K1NKR</td>
<td>Initiatives Can Happen, Even at a Local Club</td>
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<tr>
<td>1730</td>
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<td>NEWS meeting</td>
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<tr>
<td>1900</td>
<td></td>
<td><em>Banquet Buffet</em></td>
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<tr>
<td>2015</td>
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<td><em>Tom Kirby Memorial Award</em></td>
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<tr>
<td>2030</td>
<td></td>
<td>Prize Drawing</td>
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<tr>
<td><strong>Sunday 23 April</strong></td>
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<tr>
<td>700</td>
<td></td>
<td><em>Continental BREAKFAST for Hotel Guests</em></td>
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<tr>
<td>800</td>
<td>WA3UVV</td>
<td>Digital Radio and Yaesu System Fusion</td>
</tr>
<tr>
<td>900</td>
<td></td>
<td><em>Flea Market</em><strong>NO EARLYBIRDS</strong>*</td>
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</tbody>
</table>
43rd EASTERN VHF/UHF CONFERENCE REGISTRATION FORM

April 21, 22 & 23, 2017 BAYMONT INN, Manchester, Ct.

**Online Registration at** [http://newsvhf.com/regpayp.html](http://newsvhf.com/regpayp.html)

Please fill out & return with payment:

Name & Call: __________________________________________________________
Address: _______________________________________________________________________
__________________________________________________________________________
E-Mail Address: _____________________________________________________________

REGULAR MAIL REGISTRATION _____ @ $20 = ________
(Includes Proceedings CD, flea market, Saturday lunch)
(Price after April 10 or at the door will be $30)

DINNER BUFFET (not available at door) _____ @ $30 = ________

TOTAL = ________

**MAKE Checks or M.O. PAYABLE To: North East Weak Signal Group**

Dinner tickets available in advance only through April 10

SUNDAY FLEA MARKET:
BUYERS & SELLERS FREE

**MAKE Checks or M.O. PAYABLE To: North East Weak Signal Group**
Mail to Registration Chairman Postmarked NO LATER THAN APRIL 10:
John Crawford, N2OY
PO Box 1112
Latham, NY 12110
treasurer(at)newsvhf.com

* Sponsored by the North East Weak Signal Group
* ARRL-Affiliated
* Official Webpage: [http://www.newsvhf.com](http://www.newsvhf.com)
For Eastern VHF/UHF Conference latest news updates and Registration forms.
N.E.W.S. GROUP OFFICERS

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7262 Skyline Dr.
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rlfbauer @ gmail.com
ACTIVE ON: 6, 2, 222, 432, 903, 1296, 2304, 3456, 5760, 10 GHz, 24 GHz.

VICE PRES:
N1JFU, Steve Meuse
80 Walnut St.
West Bridgewater, MA 02379, FN42la
Home: 508-345-3742
smeuse @ gmail.com
ACTIVE ON: 6, 2, 222, 432, 10 GHz.

SECRETARY:
W1GHZ, Paul Wade
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Cell: 802-498-4797
w1ghz @ arrl.net
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Cell: 860-670-3028
news.kc1v @ gmail.com
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SPECTRUM MGR:
K1MAP, Mark Casey
303 Main Street,
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Home: 413-566-2445
map @ mapinternet.com
ACTIVE ON: 6, 2, 222, 432, 903, 1296, 2304, 3456, 5760, 10 GHz

BOARD OF DIRECTORS:
K1MAP, Mark Casey
303 Main Street,
Hampden, MA. 01036, FN32sb
Home: 413-566-2445
map @ mapinternet.com
ACTIVE ON: 6, 2, 222, 432, 903, 1296, 2304, 3456, 5760, 10 GHz

K1WHS Dave Olean
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Lebanon ME 04027, FN43mj
Home: 207-658-7758
k1whs @ metrocast.net
ACTIVE ON: 6, 2, 222, 432, 903, 1296, 2304, 3456, 5760, 10 GHz, 24 GHz

W1ZC: Dick Wilborg
791 Brookline Rd,
Mason, NH. 03048, FN42dr
Home: 603-878-3680
w1zc @ myfairpoint.net
ACTIVE ON: 6, 2, 432, 1296

WA1MBA: Tom Williams
PO Box 28
Shutesbury, MA 01072, FN32st
Home: 413-259-1921
tomw @ wa1mba.org
ACTIVE ON: 6, 2
N.E.W.S. Group Supporters

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FlexRadio Systems®

Bird Technologies®

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ROGERS CORPORATION

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ELECRRAFT

Lunar-Link International

TIDES MICROWAVE SYSTEMS

SSB Electronic USA

DAVIS RF

DOWN EAST MICROWAVE

AMERICAN TECHNICAL CERAMICS

DX ENGINEERING

Mouser Electronics

Test Lab Greg Bonaguide, WA1VUG
MEMBERSHIP APPLICATION

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 six meetings per year, held at a centrally located facility and provide a “NEWSLETTER” that is distributed two weeks prior to each meeting. Any contributions to this publication are appreciated and can be sent to: George Collins, KC1V by e-mail to kc1v@arrl.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 N2OY, John Crawford
PO Box 1112
Latham, NY 12110
North East Weak Signal Group

c/o N2OY John Crawford, PO Box 1112, Latham, NY 12110

Check your membership
Expiration date on your mailing label!