

# 40th Annual Eastern VHF/UHF Conference

Hosted by North East Weak Signal Group

---

All Copyrights retained by Authors

---

## *Introduction*

- [Welcome](#)
  - [Schedule](#)
  - [Tom Kirby Memorial Award](#)
  - [Contents of CD](#)
- 

## *Presentations*

click byline for Speaker biography

- [Aircraft Scatter 2014](#)  
by [Roger Rehr, W3SZ](#)
  - [AircraftScatter# Program Description](#)
- [A Fresh Approach to a Multiband Microwave Station](#)  
by [Fred Stefanik, N1DPM](#)

- **SoDa - A Multimode VHF/UHF Software Defined Radio**  
by **Matt Reilly, KB1VC**
- **Advances in SmartSDR Operations**  
by **Phil Theis, K3TUF**
- **Trans-Atlantic VHF Propagation, What We Do & Do Not Know**  
by **Brian Justin, WA1ZMS**
- **Microwave Antenna Demonstrations based on the IEEE Presentation by John Kraus**  
by **Jon Wallace, Physics Teacher, Meriden, CT**
- **LDMOS RF Amplifier Linearization using PowerSDR mRX Pure Signal**  
by **Mike Seguin, N1JEZ**
  - **Class B wav file** - *use HDSDR to play*
- **Solar PhotoVoltaic Power**  
by **Phil Theis, K3TUF**
- **Larcam Amplifier Conversion**  
by **Paul Newcombe, N1RJX/G6YZC**

- **How Hardline is Made**  
by **Jim Savage, N1ZN**
  - **VHF, UHF, and Microwave Filters and Amplifiers in Altoids tins:**
    - **Simple Cheap MMIC Preamps**
    - **Altoids tin filters**
    - **Combine Filters for VHF and UHF**
    - **Semi-rigid cable preparation**by **Paul Wade, W1GHZ**
  - **An Illuminating Introduction to Antenna Stacking and Phasing**  
by **Dale Clement, AF1T**
- 

## *Contributed Papers*

- **78 GHz WA1MBA Preamp**  
by **Don Twombly, W1FKF**
- **Mt. Washington 10 GHz Beacon**  
by **Mike Seguin, N1JEZ**
- **Locked VCXOs for Stable Microwave Local Oscillators with Low Phase Noise**  
by **Paul Wade, W1GHZ**

- **RefloLeo - an Arduino based Toaster Oven controller for Reflow Soldering**  
by Mike Seguin, N1JEZ
  - **Suggestions for adapting the FT-817 Funcube Dongle Panadapter board to other rigs:**
    - **KI2L-Installing the W1GHZ/N1JEZ Panadapter Adapter in the FT-2000**
    - **W4KXY & W4ZST - A Panadapter for the FT-2000 on 6**
    - **K9EK TS-430S Funcube Panadapter**
    - **W6SZ FT-817 Funcube Panadapternote**
    - **I6IBE webpage - installing panadapter in FT-817, FT-897, and FT-857**
    - **G4HUP Panoramic Adaptor Tap Board web page**
    - **W1FKF - 10GHz using Cheapo LNB and USB dongle**
  - **Poorman's Flex**  
by Paul Newcombe, N1RJX/G6YZC
    - **IC-746 SDR Mod**
    - **SDR settings**
    - **SSB 10m**
- 

## **Pictures**

- **K1LPS and W1JR-432 EME**  
Contributed by Chip Taylor, W1AIM
- **6M when it really opens**

**Contributed by Jay Buscemi, NY2NY**

- **NY State wouldn't give me NY2NY so ...**

**Contributed by Jay Buscemi, NY2NY**

- **New York City Radio Row 1950**

**Contributed by Jay Buscemi, NY2NY**

- **Roxs during Geminids 2013**

**Contributed by Jay Buscemi, NY2NY**

- **W1GHZ hanging from a tower**

**Contributed by Mike Seguin, N1JEZ**

- **KW2T & N2MRX operating 10 GHz from Mt. Okemo in 2013**

**Contributed by Dan Pedtke, KW2T**

- **Big Dish at Morehead State College, Microwave Update 2013**

**Contributed by Paul Wade, W1GHZ**

- **Basement tour at QTH of WA3ZKR, Jeff Kruth, during Microwave Update 2013**

**Contributed by Paul Wade, W1GHZ**

- **Another view of basement at QTH of WA3ZKR, Jeff Kruth, during Microwave Update 2013**

**Contributed by**

- **W1AIM operating 10 GHz Contest from Block Island, 2013**

**Contributed by Paul Wade, W1GHZ**

- **W1AIM - slow period during 10 GHz Contest from Block Island, 2013**  
Contributed by Paul Wade, W1GHZ
- **KB1VC operating 10 GHz inside the Radome on Block Island, 2013**  
Contributed by Paul Wade, W1GHZ
- **KB1VC Shack-in-a-box for 10 GHz**  
Contributed by Paul Wade, W1GHZ
- **W1WSO operating 10 GHz Contest from Block Island, 2013**  
Contributed by Paul Wade, W1GHZ
- **W1GHZ operating 10 GHz & Up Contest from Block Island, 2013**  
Contributed by Paul Wade, W1GHZ
- **W1GHZ operating position for 10 GHz & Up Contest from Block Island, 2013**  
Contributed by Paul Wade, W1GHZ
- **Sunset from Block Island, 2013**  
Contributed by Paul Wade, W1GHZ
- **KV1J-1 Sept 2013 Contest Mt. Washington - Antennas**  
Contributed by Eric Williams, KV1J
- **KV1J-1 Sept 2013 Contest Mt. Washington - Station**

**Contributed by Eric Williams, KV1J**

- **W1AIM antenna mast transport**

**Contributed by Chip Taylor, W1AIM**

- **Antenna repair - W1AIM**

**Contributed by Chip Taylor, W1AIM**

- **Darth Vader on Kearsarge**

**Contributed by Chip Taylor, W1AIM**

- **K1DY Rover**

**Contributed by Chip Taylor, W1AIM**

- **KL6M disaster-high winds**

**Contributed by Chip Taylor, W1AIM**

- **Mt. Mansfield antennas**

**Contributed by Chip Taylor, W1AIM**

- **Mt. Mansfield 2012**

**Contributed by Chip Taylor, W1AIM**

- **March of the dishes - Mt. Washington**

**Contributed by Chip Taylor, W1AIM**

- **N1LZC and K1MAP**

**Contributed by Chip Taylor, W1AIM**

- **W1AIM repaired dish feed**

**Contributed by Chip Taylor, W1AIM**

- **Broken SMA center pin**

**Contributed by Chip Taylor, W1AIM**

- **W1AIM sun noise**

**Contributed by Chip Taylor, W1AIM**

- **W1AIM tipped dish**

**Contributed by Chip Taylor, W1AIM**

---

***List of Sponsors and Contributors***