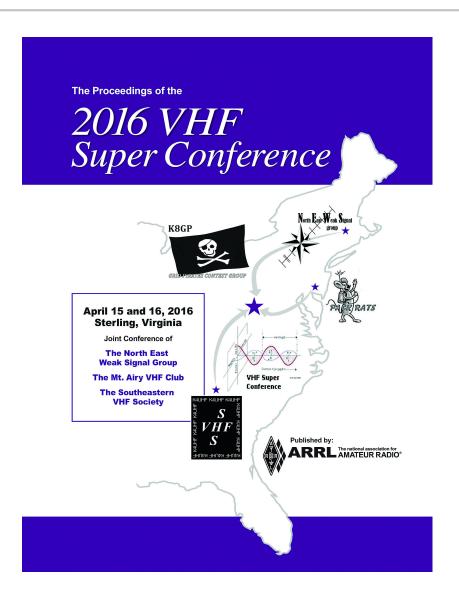
VHF Super Conference

April 15-17 2016

Joint Conference of
The North East Weak Signal Group
The Mt. Airy VHF Radio Club
The Southeastern VHF Society

Hosted by the Grid Pirates Contest Group and Directive Systems and Engineering



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Introduction

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- Guest Speaker David Sumner, K1ZZ
- 2016 Super VHF Conference Committees
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- Southeast VHF Society
- Best Technical Paper and Best Presentation Awards
- Speaker and Author Biographies
- Conference Agenda
- 2016 Microwave Update Press Release

Technical Presentations click byline for Speaker biography

 Activating Saint Martin as TO2EME & Sint Maarten as PJ7/PE1L

<u>PowerPoint slides</u>

by Marshall Williams, K5QE

- The FLWSS Beacon Project by Chuck Hoover, K0VXM
- VHF ROVER Revolution
 <u>PowerPoint slides</u>
 by Rick Rosen, K1DS

- Setting New World DX Records on 2.3 and 3.4 GHz by Wayne Overbeck, N6NB
- Ericsson 13cm Amplifier Conversion
 <u>Video</u>

 by Mike Seguin, N1JEZ and Henry Ingwersen, KT1J
- Estimating Tropospheric Working Range on VHF/UHF by Paul Bock, K4MSG
- <u>Keeping Amateur Radio in Space 21st Century Challenges</u> <u>and Opportunities for AMSAT</u> by Daniel Schultz, N8FGV
- <u>IF Triplexer</u> by Phil Theis, K3TUF
- How to Tune and Modify Filters "The Right Way"
 Filter References
 Additional Information
 by Dick Frey, WA2AAU
- The Second Annual Microwave Gulf Outing 2015 by Tony Emanuele, WA8RJF
- Codes and Modes for Weak-Signal Communication by Joe Taylor, K1JT
- The Arduino: An Electronic Tinkertoy by Matt Reilly, KB1VC
- A One Day Polar Mount for EME

by Ben Lowe, K4QF

- 60 ft Tilt Over Tower Project
 <u>PowerPoint slides</u>
 by Stuart Truba, VE2XX
- A Simple Low-cost 5760 MHz Transverter for the Rover and A Personal Beacon or LO for 5760 and 3456 MHz PowerPoint slides by Paul Wade, W1GHZ
- Building a "SUPER ROVER"
 PowerPoint slides
 by Terry Price, W8ZN
- Rotating Towers Are Not For Weenies by Steve Simon, W1SMS
- Amateur Radio Activities in Higher Education: Past and <u>Present</u>

 by <u>Tommy Henderson</u>, <u>WD5AGO</u>

EME Workshop

Al Katz, K2UYH and Rick Rosen, K1DS

- Getting Started on 1296 EME by Al Katz, K2UYH
- Small Offset Stress Dish for Portable 1296 EME by Al Katz, K2UYH

- Big Offset Stress Dish by Al Katz, K2UYH
- Polarization Primer for EME Operation by <u>Al Katz, K2UYH</u>
- <u>Devilish Doppler Critical Knowledge for Successful EME</u> by <u>Al Katz, K2UYH</u>

VHF101 Workshop

moderated by Steve Kostro, N2CEI

- VHF 101: A First Look at Weak Signal VHF and Up

 PowerPoint slides
 by Marshall Williams, K5QE and Kent O'Dell, KA2KQM
- Basics of VHF Contesting
 <u>PowerPoint slides</u>

 by Rick Rosen, K1DS and Michael Davis, KB1JEY
- The Why and How of Microwave Transverters
 <u>PowerPoint slides</u>
 by Michael Davis, KB1JEY
- Beginner's Guide to Small-Station EME by Paul Bock, K4MSG
- Pictorial Guide to Economical Mounting of Dual-Yagi VHF & UHF EME Arrays
 by Paul Bock, K4MSG

• Stacking VHF Antennas for Different Bands on the Same Mast

by Dave Olean, K1WHS

- Assistance (Contests) by Phil Theis, K3TUF
- The Dark Side of Sequencing
 <u>PowerPoint slides</u>

 by <u>Marshall Williams</u>, <u>K5QE</u>

Contributed Papers

- SDR Panadaptors A Practical Guide by Ed Krome, K9EK
- IC-202: Another Adaptation of "A Panadapter for the FT-817"
 by <u>Dave Hallidy K2DH</u>
- OpenHPSDR for VHF/UHF/Microwave, version 3.0 by Roger Rehr, W3SZ
- Frequency Locking Elecraft Transverters by Steve Kostro, N2CEI
- A 2 meter and 70 cm Portable Antenna by Gary Greene, W2ZV

- Quick and Cheap Omni Antenna for 1296 MHz
 by Paul Wade, W1GHZ
- 10 GHz Fire Tower Horn by Bill Koch, W2RMA
- Cheap Microwave Marker by Don Twombly, W1FKF
- Multi-Purpose 2.4 through 6 GHz Mixer-Block by Tommy Henderson, WD5AGO
- <u>Updating the Simple Low-cost 2304 MHz Transverter for the Rover</u>
 by <u>Paul Wade</u>, <u>W1GHZ</u>
- <u>Dual Band 10/24 GHz Transverter</u> by Don Twombly, W1FKF
- 10 GHz YIG LO Transverter by Don Twombly, W1FKF
- Single-Stub Impedance Matching by Paul Wade, W1GHZ
- Band Selection Board by Phil Theis, K3TUF
- EME DXpedition to V6M by Lance Collister, W7GJ

PowerPoint Presentations

- Activating Saint Martin as TO2EME & Sint Maarten as PJ7/PE1L
 - by Marshall Williams, K5QE
- The Dark Side of Sequencing by Marshall Williams, K5QE
- VHF 101: A First Look at Weak Signal VHF and Up by Marshall Williams, K5QE
- The Why and How of Microwave Transverters by Michael Davis, KB1JEY
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Awards and Contests

- Rover Recognition Award by Packrats
- Worked All of EM AwardSponsored by the SVHFS

- Fall VHF/UHF Sprints Sponsored by the SVHFS
- Rules for 2016 VHF Fall Sprint Contests

2015 Sprint Results:

- RESULTS: 6 meter Fall Sprints 2015
- RESULTS: 2 meter Fall Sprints 2015
- RESULTS: 222MHz Fall Sprints 2015
- RESULTS: 432MHz Fall Sprints 2015
- RESULTS: Microwave Fall Sprints 2015
- 2013 Eastern VHF Conference Noise Figure Results
- 2016 Best Paper and Presentation Prize Donors

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