

Sunday Forums

9:15-10:15 Room 1 WWV

Matt Deutch, N0RGT

Matt, N0RGT, is originally from Wappingers Falls, New York. He was an Electronics Technician in the Coast Guard for 6 years and has worked at WWV for 30 years. Licensed since 1992. Matt will give a presentation about the LF/HF broadcast station WWV/H/B and the upcoming 100th anniversary of the WWV time standard broadcast.

9:15-10:15 Room 2 ARRL's New Volunteer Monitor Program and the FCC

Riley Hollingsworth, K4ZDH

Amateur Radio has a long history of teaching the rules and regulations and helping each operator stay within the lines. Former ARRL Atlantic Division Vice Director Riley Hollingsworth, K4ZDH, will discuss the new ARRL Volunteer Monitoring Program.

9:15-10:15 Room 3 Tornado Alert - Severe Weather Detector

Mickey Lee

Tornado Alert New weather detection technology

It is well known that tornadoes can be identified visually or by analysis of doppler radar.

Advances in technology have allowed sensors that measure electrical energy, lightning and others sources, to determine how intense is the thunderstorm that is generating the energy. One device even determines distance and movement as it updates every minute. This talk will describe the technology and how to utilize for household protection, storm spotter activity, or lightning threat [awareness. www.earlyalert.com](http://www.earlyalert.com)

9:15-10:15 Room 4 Fasttrack Ham

Michael Burnette, AF7KB

Award-winning ham radio author Michael Burnette, AF7KB, is the author and narrator of the popular Fast Track ham license training programs. His books, e-books, and audio programs reflect his commitment to comprehensive amateur radio education. His programs have been purchased by thousands of hams, whether to get their first license or their Amateur Extra license. His passion for the material, his use of an innovative progressive learning system, his commitment to creating a useful body of knowledge for the students, and his lighthearted, often humorous approach to the topic has proved quite popular.

Michael is a dynamic and entertaining presenter with decades of presentation experience. He and his wife, Kerry, AG7SC, live near Seattle, WA. They are very active with their local club, the Snohomish County Hams Club, where Michael orients new hams and Kerry leads a weekly YL net.

A lively, informative, and fun 50 to 60 minutes on study techniques that really work-- as Michael says, "techniques tested and peer-reviewed by real neuro-scientists with real lab coats and clipboards!"

10:30-11:30 Room 1 Power and Energy for the Radio Amateur

Bob Bruninga, WB4APR

Solar costing less than half the utility; Electric Vehicles able to power your FD site or house for a week; Cutting heating fuel costs in Half with portable and window heatpumps! These are just some of the exciting projects covered in this new and exciting forum.

Second to APRS, Bob (WB4APR) Bruninga's interest in Ham Radio is about emergency and field operations and saving money on Energy. Now he has written a book on Energy and Power for the Radio Amateur that is newly published by the ARRL.

He will describe how to get involved in solar addressing grid-tie and off-grid applications and include many DIY approaches to this highly economical source of power. He has a history with EV's going back to 1970 when he built his first EV as a senior at Ga Tech. Then acquiring a City Car in the 1980s and more recently converting salvage Priuses for solar power and emergency Field operations. Now he has found the Volt to be the ideal EV for long EV local range and for cross country trips.

10:30-11:30 Room 2 Discovering Radio Communications

Presented by ARRL Education & Technology Program Instructors Tommy Gober, N5DUX and Larry Kendall, K6NDL

Solar, wind, batteries and electric cars are revolutionizing the home energy considerations for the Radio Amateur. Just in the last ten years, home grid-tie solar now costs less than half the utility, The average cost of the 35 Electric Cars now on the market with incentives now costs several thousand dollars less than the average gas car. And with the Tesla Gigafactory, now energy storage for the home is becoming practical. These all contribute to energy security for the home and ham shack but it is not your father's 60 Hz legacy iron boat anchors any more. For example, the engine/ generator in a simple Prius is rated at 50,000 Watts. Home solar is typically 5 to 10 kW.. Come learn about what you can do to incorporate new energy into your home and shack.

10:30-11:30 Room 3 Principles of Amateur Radio Leadership

Michael Kalter W8CI, Rick Allnutt WS8G

Title: 5P – The Five Principles of Amateur Radio Leadership

Summary: Leading Amateur Radio activities requires all the skills of leadership useful in other volunteer activities and non-profit organizations. But, really effective leadership of Ham Radio organizations also requires active and visible participation.

10:30-11:30 Room 4 Digital Mobile Radio

John Burningham, W2XAB

John has been involved with repeaters since the early 1970's and is currently active with DMR and the K4USD Network. Winner of the 2016 Hamvention® Technical Achievement Award. He is a contributing author to the ARRL Handbook and QST. He has a beginners guide to DMR available free at <http://guide.k4usd.org>