



SECOND ANNUAL ARRL WEST CENTRAL FLORIDA SECTION TECHNICAL CONFERENCE

**SATURDAY FEBRUARY 27, 2016
LIST OF PRESENTATIONS**

USING YOUR RIG AS A SPECTRUM ANALYZER - DAVID BIRNBAUM K2LYV

If your rig can be controlled by your computer, it is possible to use the rig to do some of the things that a spectrum analyzer can do. David will describe how you can do this.

DIRECT CALCULATION OF TUNER LOSSES - DAVID BIRNBAUM K2LYV

It would be useful to know if there are operating points where the tuner losses could be high enough to be a problem. David will show how one can calculate directly the losses in an L-network tuner for any given load and show results for an end-fed wire and a short vertical.

INTRODUCTION TO THE PICAXE - DARRELL DAVIS KT4WX

What is a PICAXE? The PICAXE is a great microcontroller for beginners to start out with. The PICAXE will be described and what is needed to use it in your radio projects.

BASIC PROGRAMMING TECHNIQUES FOR THE PICAXE - DARRELL DAVIS KT4WX

In this follow up to "Introduction to the PICAXE" some basic programming techniques will be shown that you can incorporate into your own projects.

INTRODUCTION TO THE ARDUINO - DARRELL DAVIS KT4WX

The Arduino is becoming very popular in amateur radio projects. The Arduino basics will be explained, the Arduino series will be overviewed and what is needed to use it in your radio projects.

HAM AMPR NET PROJECT - BRYAN FIELDS W9CR

Bryan gave this presentation at Dayton Hamvention last year. Bryan will inform you of how computers can be networked via TCP/IP through amateur radio.

TOOLS AND TEST GEAR FOR AMATEUR RADIO - GEOFF HAINES N1GY

You are starting off building your workbench. What items do you need? Geoff reviews the items you need and even some items you may not think of when preparing your workbench.



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The ARRL LAB: TRIALS, TRIBULATIONS, AND (TALL?) TALES

Ed Hare W1RFI - ARRL Laboratory Manager

ARRL Laboratory Manager Ed Hare, W1RFI, has promised to give us the real "inside" information about what goes on in the ARRL Lab. He has a presentation that is chock full of information about the day-to-day things that happen in Lab when nobody is looking. Ed claims that every word is true, even the tall tales, but some of them involve fishing, so we suspect that a few of them may be a bit, um... well... exaggerated. Ed tell us, however, that will tell a few tales that you will never read about in the pages of QST!

ANTENNA MODELING AND PROPAGATION PREDICTION

Ed Hare W1RFI - ARRL Laboratory Manager

Ed Hare, W1RFI, the ARRL Laboratory Supervisor, shows you how he uses EZNEC, an antenna modeling program, ICEPAC, a propagation modeling program and TLA, the feedline analysis program from the ARRL Antenna Book disk to answer the age-old question: Which is better, a 40 meter halfwave dipole up 40 feet or a 40 M vertical with 4 radials? The answer may surprise you!

RCFORBS: REMOTE CONTROL FOR YOUR STATION - LU ROMERO W4LT

RCForbs is a free software suite to control your station or using other remote station. Lu shows you how to install and use this software suite

TECHNICAL PROJECT FOR 2016 - BALLOON LAUNCH

We will try again this year. We are interested in doing a balloon launch in 2016 or 2017 with an amateur radio telemetry package onboard. This presentation is to outline goals of the balloon flight and to gather a consensus from those attending in what you would like to see in the package and to put together a team to help facilitate the project.