

CALGARY AMATEUR RADIO ASSOCIATION

2016 Learning Conference

April 16, Saturday 08:00 - 13:30

Eastside City Church, 1320 Abbeydale Drive SE, Calgary
concurrent with the CARA 2016 Annual Flea Market 09:00 - 12:30

8-8:50 AM: **Applied APRS**

Presenters: VA6RPL Peter LaGrandeur and VE6CID Doug Howard.

This presentation will be directed to:

- individual users
- event managers and net control centres in cellular and live internet connected areas
- event managers and net controllers in areas with only amateur radio repeaters available with APRS digipeaters.

APRS extended functionalities will be examined:

- text messaging between APRS/GPS equipped radios
- positioning of APRS/GPS transmitters/transceivers on live web connected maps, or proprietary maps where there is no internet connection
- using custom APRSIS32 software on a control room based desktop PC or vehicle based laptop PC, allowing the user friendly conveniences of a big screen, mouse, and keyboard.

See demonstrations for both a web connected www.aprs.fi net control centre and a vehicle based personal or event net control centre.

9-10: Break to check the flea market bargains

10-10:50: **Yaesu Fusion**

Presenter: NOCSW Chris Wilson, Yaesu National Sales Manager

Mr. Wilson will present to us the Fusion concept and whole product line of Yaesu Fusion radios—repeater, base, mobile, and handheld.

11-11:25: **Hardening Your Tower Against Lightning**

Presenter: VA6DD Dale Coutts.

Everything you need to know to make your backyard DX lattice or mountain top repeater spire the most resistant to Mother Nature's assaults on your equipment.

11:30-11:55: **Updated Tower Regulations in Calgary**

Presenter: VE6SH Tim St. J. Ellam Q.C.

Learn Calgary's latest requirements for erection of, and operation of, amateur radio towers.

12-12:30: Break for lunch to revel in Frank's famous hot dogs and prize draws.



12:30-13:30: **Remote Operation of HF Stations**

Presenters: VE6CCM Jack Whiteside and Rob Wilson VE6CCL.

Discussion of various systems for remote control of HF stations, evolution of remote operations at CARA club station VE6AO, what worked, what didn't work, and the current configuration of remote operation. Included will be a live demo of VE6AO remote operation and info on how to become a remote operator.

- Register on line at: <http://cara.memberlodge.com/event-2201323>
- \$5 admission payable at door. Admission entitles guest to ALL presenters from 08:00 to 13:30.