

# Explore the Magic of Radio!

The Annapolis Valley Amateur Radio Club is pleased to offer a course that will lead to you earning an Amateur Radio license.

Make friends around the world!



Emergency Communications Build equipment



Public Service



Storm Reporting



Exotic Locations

For more information  
contact  
Al Penney at 847-0554  
or at  
vo1no@rac.ca

# Amateur Radio!

A photograph of a radio shack desk. In the foreground, a black radio with a color screen displays a colorful interface. To its right are a pair of black headphones and a silver computer mouse. A keyboard is partially visible on the left. In the background, more radio equipment is stacked on a shelf. A book and some papers are on the desk to the right.

**Just what is Ham Radio?**

# Ham Radio is...

- A form of communication...



# Ham Radio is...

- A hobby...



Al Penney  
VO1NO

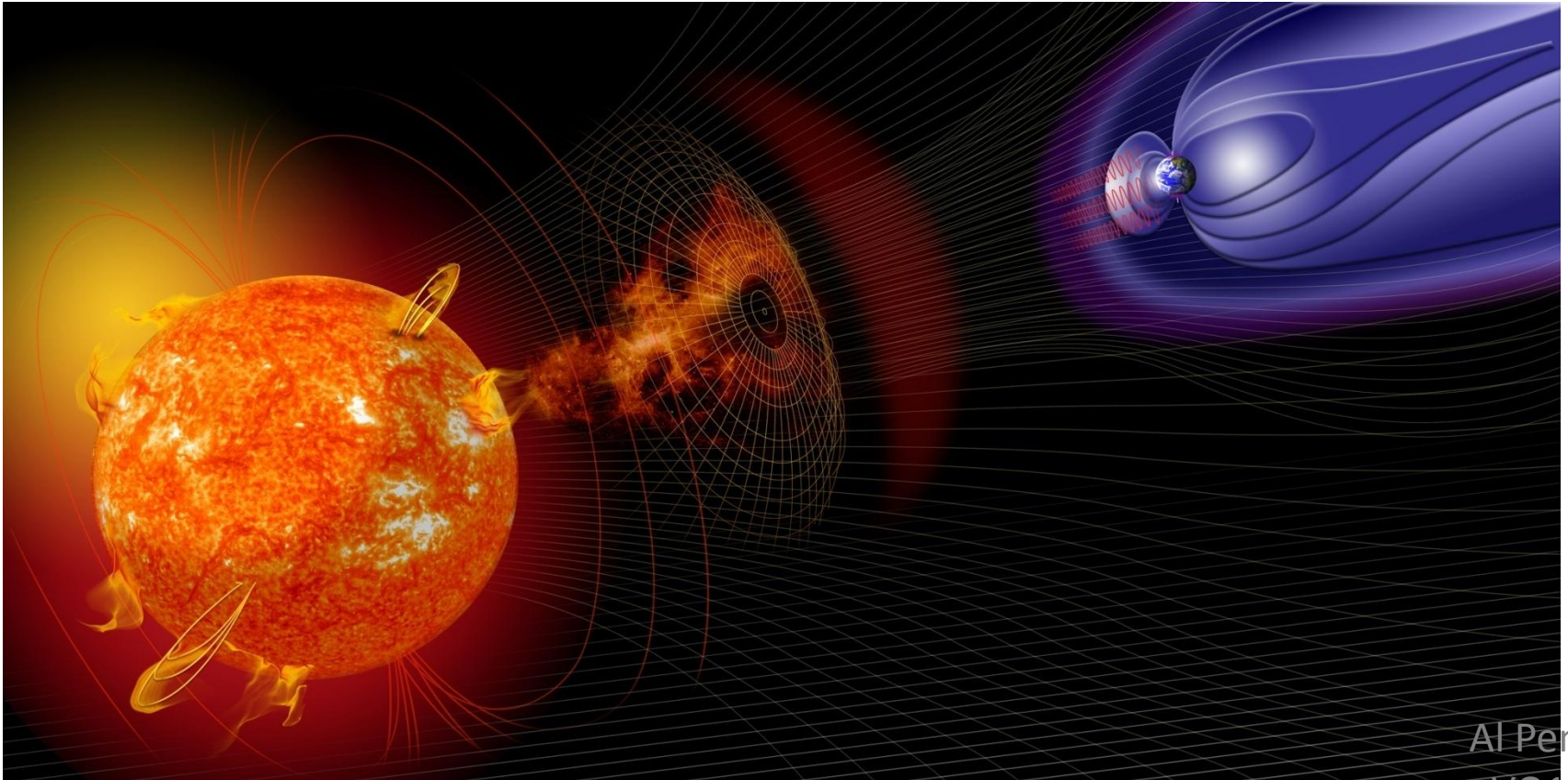
# Ham Radio is...

- A Public Service...



# Ham Radio is...

- A chance to explore science...



# Ham Radio is...

- Open to everyone...



# Ham Radio is...

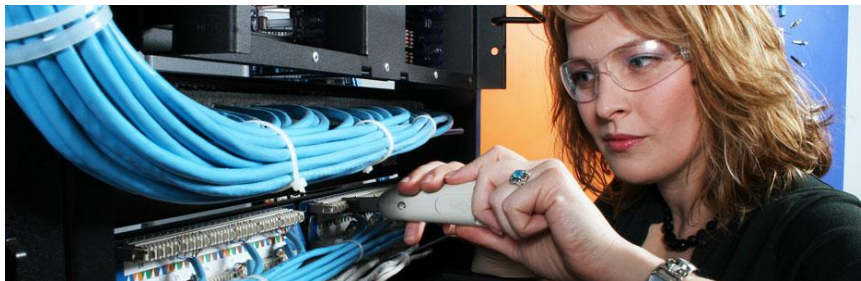
- A lot of fun...





# Ham Radio is...

- A stepping stone to a lifelong career!



# What do Hams do?

- Use Morse Code...



# What do Hams do?

- Use voice transmissions...



# What do Hams do?

- Use digital modes...

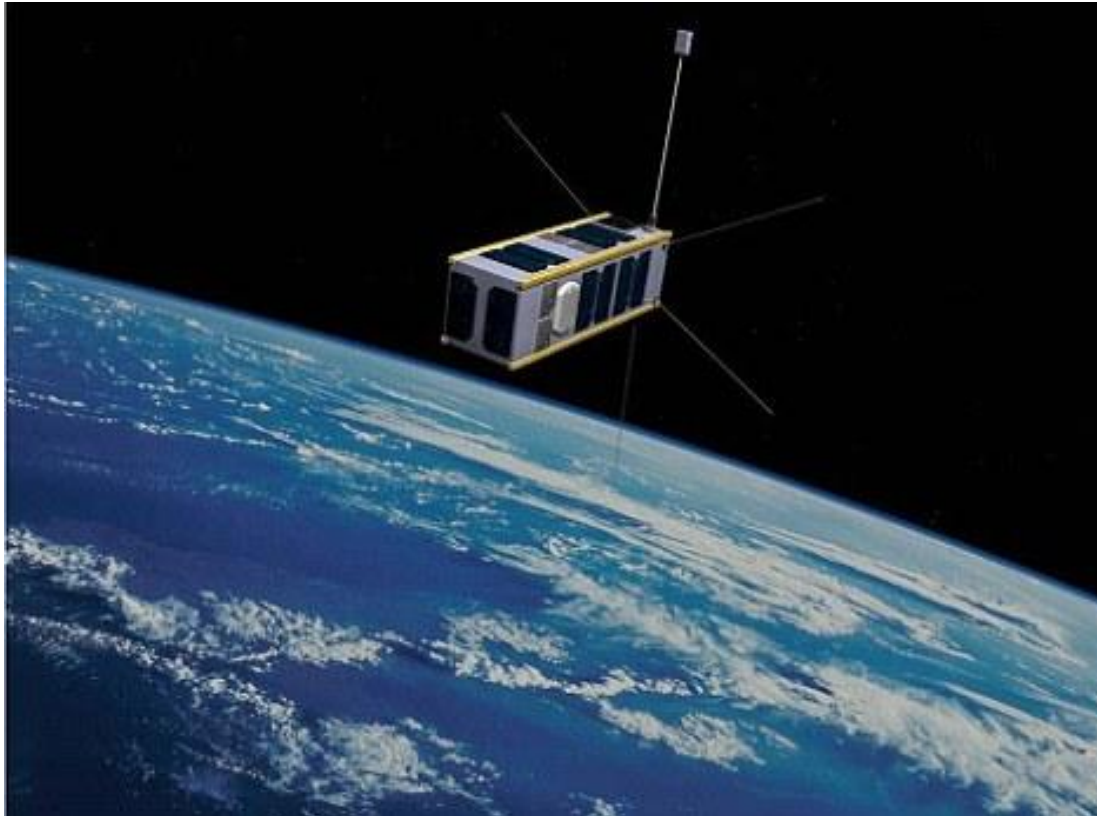
The screenshot shows the fldigi software interface for digital mode communication. The window title is "fldigi - AA6E". The interface includes a menu bar (File, Op Mode, Configure, View, Help), a toolbar with buttons for RSID and TUNE, and a main display area. The main display area is divided into several sections:

- Header:** Shows the radio model "Hamlib TT-565 Orion" and the current frequency "14070.000".
- QSO Log:** A table with columns for QSO Freq, On, Off, Call, Name, In, Out, and Notes. The current entry shows a frequency of 14071.661, a call sign of 2017, and a name field.
- QTH:** Fields for QTH, St, Pr, Cnty, Loc, and Az.
- Message Window:** Displays a received message in a yellow background:

```
RTX: Yaesu LT 847 abt. 75tyu
'a
lBTU Nh ta jfm
IW2HUS DE N4TD0
Tnx for Info using FT450 with short vertical Antenna Your signal is good copy Tnx
QSO and good DX My report pls Best 73 to U and good DX 73 IW2HUS DE N4TD0 SK
ot u 4TD0 de IWGx your equipment working fine, solid copy e aE for BK31 qso.
I hop te 'e yot agn on screen.
Best 73 & DX.
N4TD. & n1
```
- Control Panel:** Includes buttons for CQ, ANS, QSO, KN, SK, Me/QTH, QTH, Brag, Tx, Rx, and a volume knob.
- Frequency Display:** A horizontal scale from 14070.5 to 14072.5 kHz with a red vertical line indicating the current frequency.
- Spectrum Display:** A waterfall plot showing signal strength across the frequency range.
- Mode and Settings:** Shows the current mode as "BPSK31", signal-to-noise ratio (s/n 20 dB), and intermodulation distortion (imd -31 dB). Other settings include AFC and SQL.

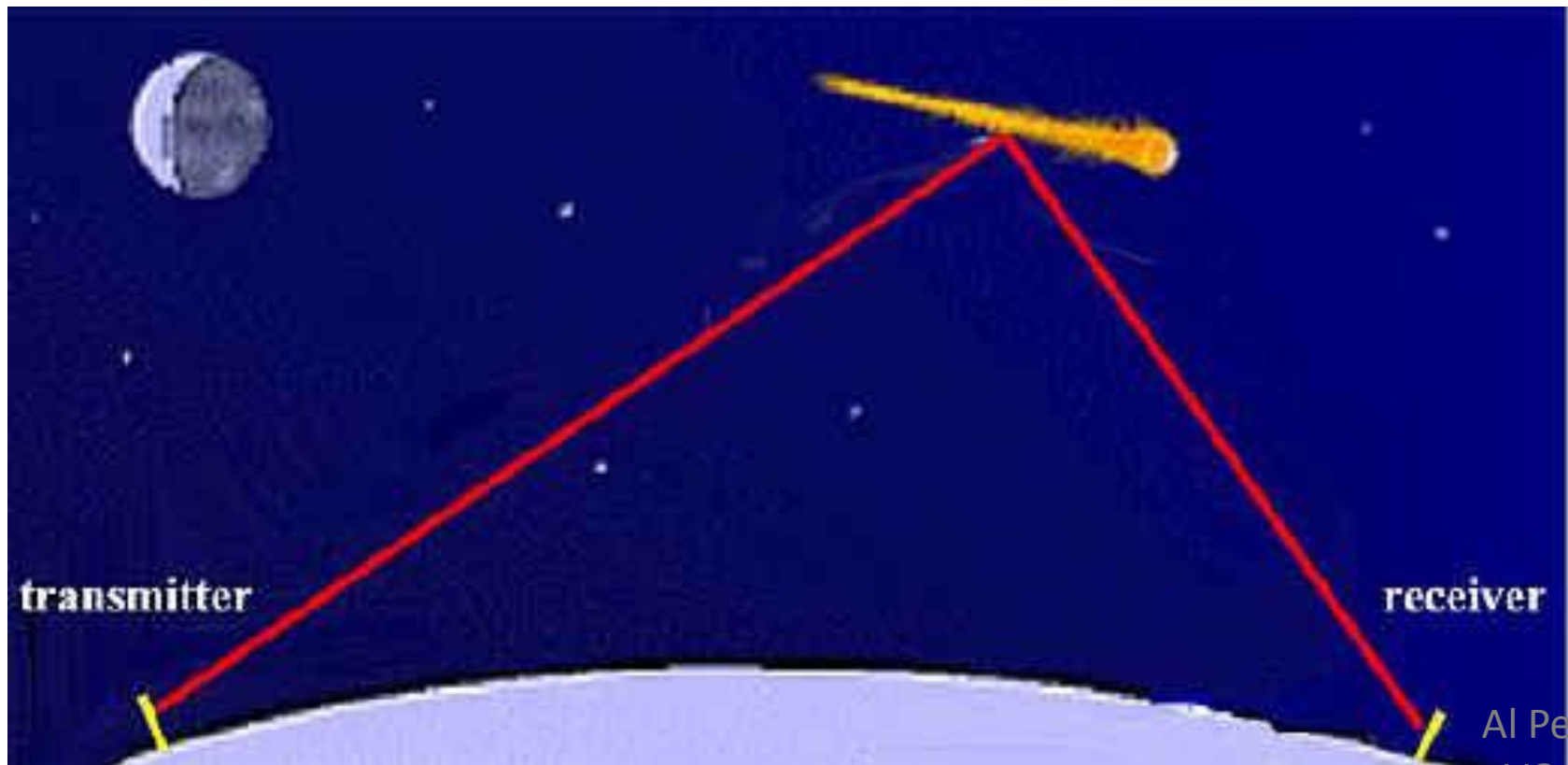
# What do Hams do?

- Build and use their own satellites...



# What do Hams do?

- Bounce signals off meteor trails...



# What do Hams do?

- Bounce signals off the Moon...



# What do Hams do?

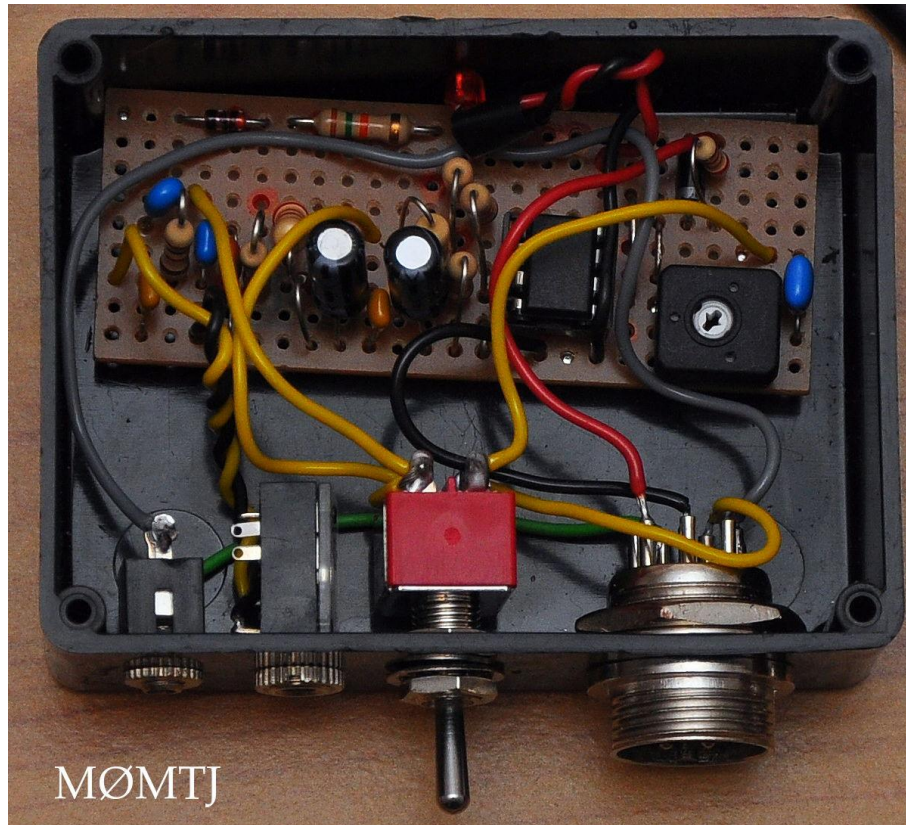
- Go on Expeditions...





# What do Hams do?

- Build their own equipment...



# What do Hams do?

- Talk to Astronauts...



S119E009662

# What do Hams do?

- Play with cutting edge technology...



# What do Hams do?

- Find hidden transmitters...



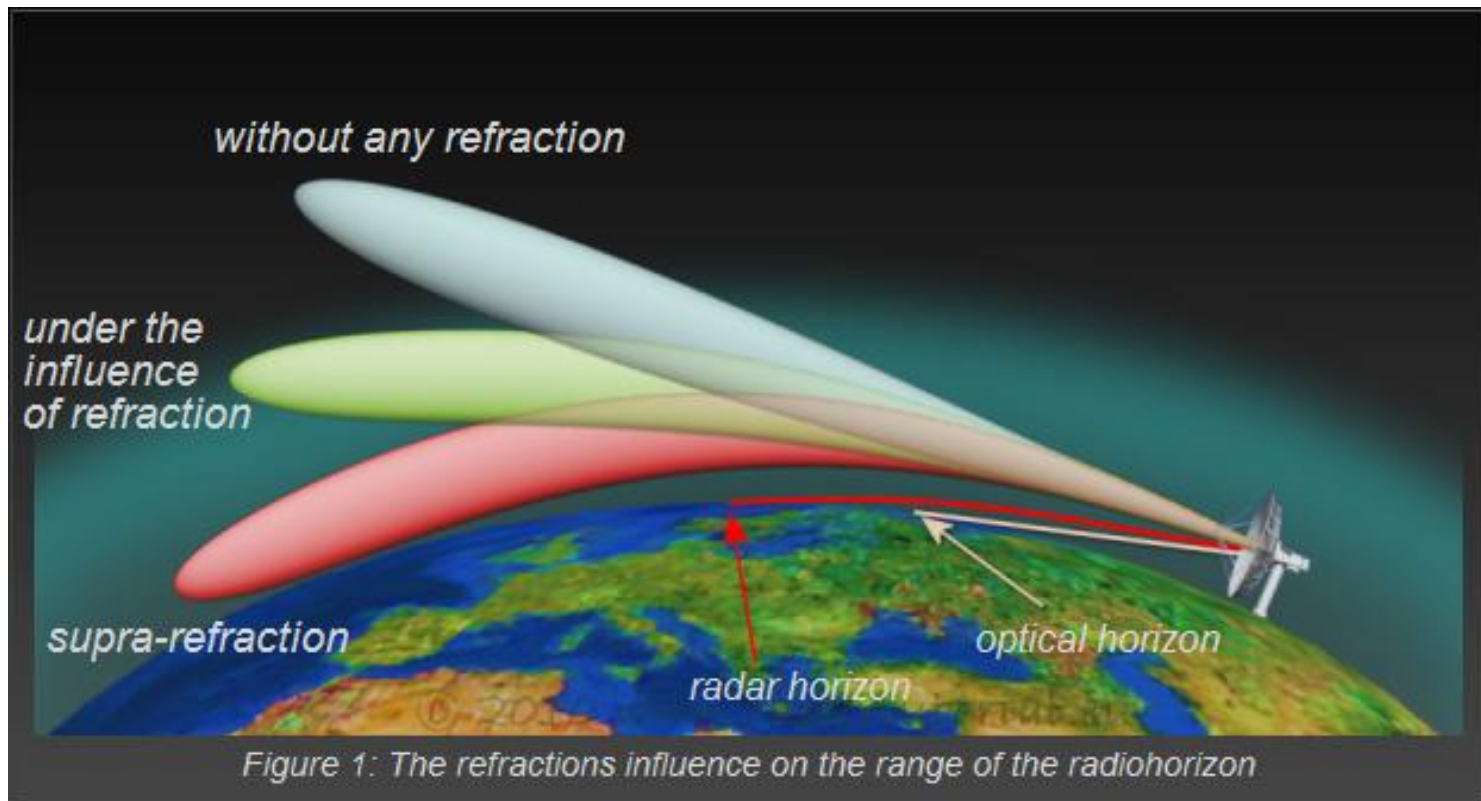
# What do Hams do?

- Help in time of disaster...



# What do Hams do?

- Advance scientific knowledge...



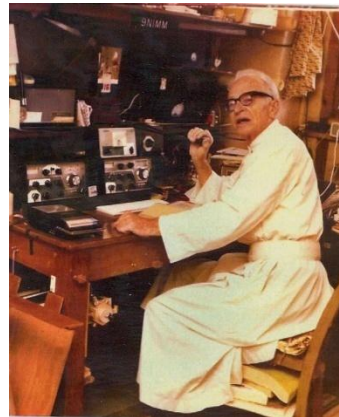
# What do Hams do?

- Enjoy social occasions...



# What do Hams do?

- Make friends around the world...





# Questions?