

FOYER

LOGGING SYSTEM to show contacts being added (Visitor Computer)

MAKER TABLE: projects we've built or related

VIDEOS: short promotional videos (Leland Monitor)

- ARRL 2-3 Minute: <https://m.youtube.com/watch?v=wDn-6SDxyD4>
- 5-minute: <https://m.youtube.com/watch?v=K40HpIjDLRs>
- 10-minute: https://m.youtube.com/watch?v=8x6x_6mDVIQ

Maker Projects

- Direct Conversion Radio – 6th graders at Cornerstone Academy
- Morse Code Key – 6th graders at Cornerstone Academy
- Soundcard Interface Circuit (Signalink equivalent)
- Baluns
- Possibly the LORA WAVESHARK (ham radio related)

Worldwide participation

- USA Current Data (May 27)
- Technicians: 380,747
- General: 187,073
- Extra: 155,054
- Other (Novice, Advanced etc)
- TOTAL: 762,631

0.22% of USA population hold license / 1 out of every 435

History of ham radio

Amateurs grew in number shortly after invention of radio (Marconi) Competition with commercial stations led to “banishment“ to “unusable“ higher frequencies than then technologically usable. Amateurs ended up making them work and making trans-Atlantic connections on “unusable“ frequencies.

Youth: Wholesome learning activity, a hobby that can lead toward great careers

Retired People: Great comraderie among hams whether on radio talk groups or in service groups like ours

TOUR IDEAS

Stations: Walk them into the operating area & explain stations

Audio: Let them listen into what is going on (Bluetooth speaker)

Expense: Carry a Baofeng UV-5R and explain \$25 radio / repeaters; QRP/WSPR – tiny transmitters go a long way on HF!

Antennas – walk them out to the tower area & explain dipoles *Accelerating electron charges create an electromagnetic field (theorized by Maxwell in the 1800's) that can be a force field even thousands of miles away on our earth surface, reflected/refracted by ionosphere*

GOTA – walk down to the GOTA station where they can get on the air for real – to say something or even make a contact!

MAKER Display: lots of hams do TECHNOLOGY, from simple circuits like high school physics, to microprocessors and digital radios

Public Service: groups like ours step up to help out their communities in time of crisis

Upcoming Technician Course – August. Free.

MEETINGS: NFARC/ARES(R) meets 2nd Wednesday of every month, typically at Queen of Peace but during summer at Alachua County EOC. 6:30 conversation; 7 PM meeting.

GROUPS.IO: NF4RC – great way to be involved in our group
Our new web page: nf4rc.club

BROCHURE – has our QR code for our website

SCHOOLS -- opportunities

Modest group of MENTORS who can help schools offer some radio-based STEM training as volunteers. Surprisingly, MORSE CODE has been rather popular among middle school students!

Soldering projects have also been popular

Technician license well within reach of students – any math at worst is 8th grade level



QR CODE IS ALSO IN BROCHURE