ARDC Community Call

24 July 2021

Agenda

- Housekeeping
- Introductions
- 2021 Grants
- Outreach
- Update from the TAC
- Survey Results
- Q+A!

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Housekeeping

- This video is being recorded!
- Q+A: Type Questions in the chat window
- All materials will be posted after the call

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Introductions

New Staff Members

Chelsea Párraga– *KF0VYJ*

Dan Romanchik – *KB6NU*

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New Staff Members

Outreach Manager
John Hays - K7VE (Aug. 2)

Administrative Coordinator
Contracting; slated to start late August

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Outreach

- **Huntsville Hamfest! // August 21-22**
  Be sure to stop by our booth and say hi!

- **Linux in the Ham Shack // June 28, 2021**
  Rosy, KJ7RYV, and John, K7VE, talk about the history and mission of ARDC, including our grant program for amateur radio projects, available resources for grantees, and more. Be watching and listening for us on other amateur radio shows and podcasts.

- **Learn more:** ampr.org/ardc-in-the-news/

2021 Grants

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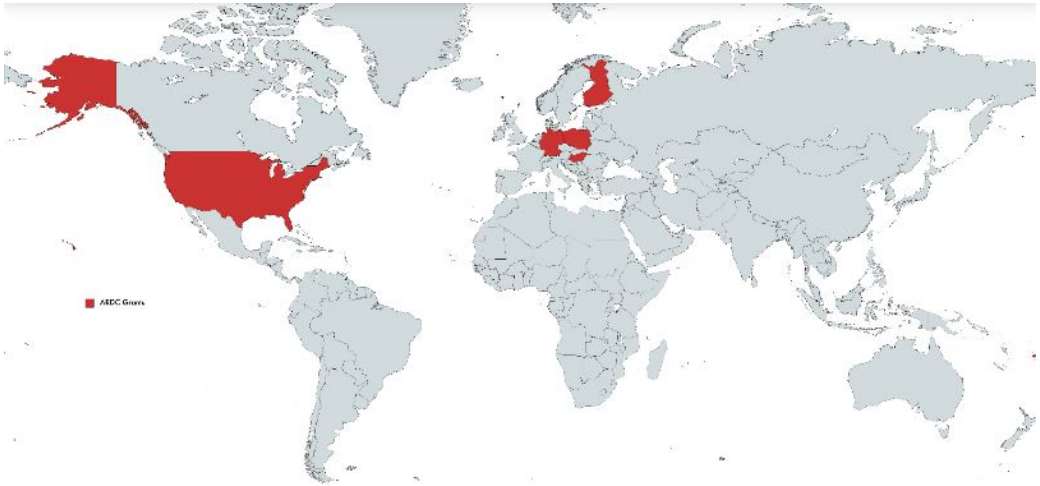
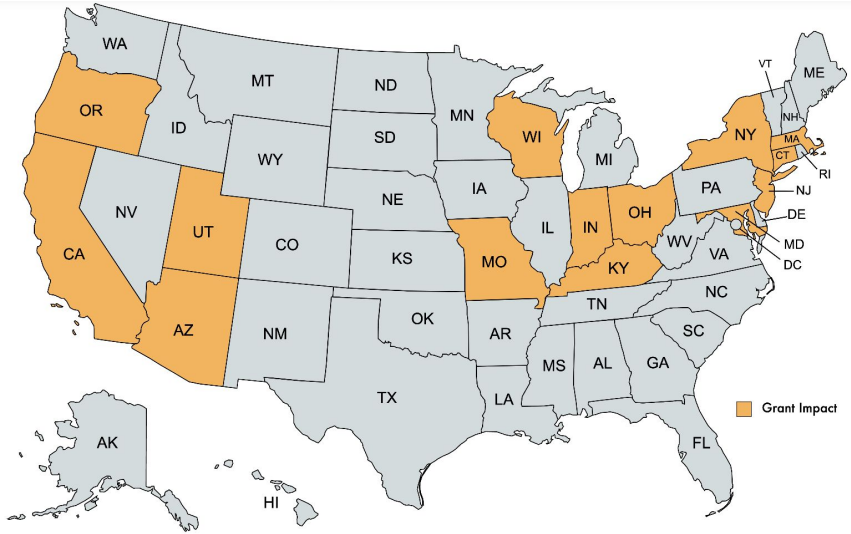
Mid-Year Update: 2021 Grants & Impacts

- 22 grants totaling **$3,072,000** have been made (we're halfway there!)
- Since we started making grants, we've funded **79%** of grant requests (45 out of 58)
- We've directly impacted **1,018** people so far





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Support & Growth of AR
9 grants ($2.1 million)

- **MIT:** Radome Renewal
- **DARC:** AMPR Hardware Grants
- **ARESLAX, Inc.:** Radio Frequency Interference
- **IEEE:** Making Operating Radio Easier
- **University of Arizona:** Digital Mode and Equipment Investments
- **OH-KY-IN Amateur Radio Society:** Repeater Site Internet Connectivity
- **Rio Hondo Amateur Radio Club:** Loaner Radios
- **OH-KY-IN Amateur Radio Society:** Portable Satellite Ground Station
- **Santa Barbara Amateur Radio Club:** Chrisman CA Islands Center

Education
8 grants ($436,000)

- **California High School:** Incorporating Constructivism
- **Woodridge Middle School:** Hamulanche
- **Museum of Science and Technology:** Space
- **SEE:** Julia Robinson Mathematics Festival
- **Case Western Reserve University Amateur Radio Club:** Senior projects
- **Case ARC:** Tower Replacement
- **Bridgerland Amatuer Radio Club:** Hands-on Space Science
- **ARRL Foundation:** Scholarships

Technical Innovation
5 grants ($532,000)

- **Oregon HamWAN:** Backbone Project 2021
- **Open Research Institute:** M17
- **Allstarlink ROIP:** Allstarlink ROIP
- **Technical University of Budapest:** Electromagnetic Pollution
- **DARC:** OpenWebRX Enhancements project

ampr.org/grants

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Grantee Spotlight

IEEE, Make Operating Radio Easier

Outreach to train and license 500 new hams, 50% non-male and 60% under 18. Those who successfully license will receive a hand-held 2 Meter (HT) radio & will be assisted in Getting On The Air to make contacts.

Woodridge Middle School, Hamulanche

Science teacher Thomas Laybourn at Woodridge Middle School in Missouri informed us that they've had 151 students learn about electromagnetism and circuits through foxhunting and building clocks.

Open Research Institute, M17

M17 is a new, open-source digital radio protocol that will be an alternative to those currently available. The protocol, the code, the voice codes, and the hardware will all be open source. The goal is to provide a better option for digital radios in the future.

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Next up in Grant Land

Grants to Non-501(c)(3)s

- Legal framework = ✔
- Policy needed

Grants to Individuals

Additional Distribution for 2021

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Q+A // Grants

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Updates from the TAC

- Studied and understood the current and future uses
- Collected metrics to better formulate plans and measure their success
- Identified major use cases, IPv4 Management Proposals coming soon!
- Working on Global Connectivity strategy

More info coming soon!

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Survey Results

bit.ly/ARDCSurvey2

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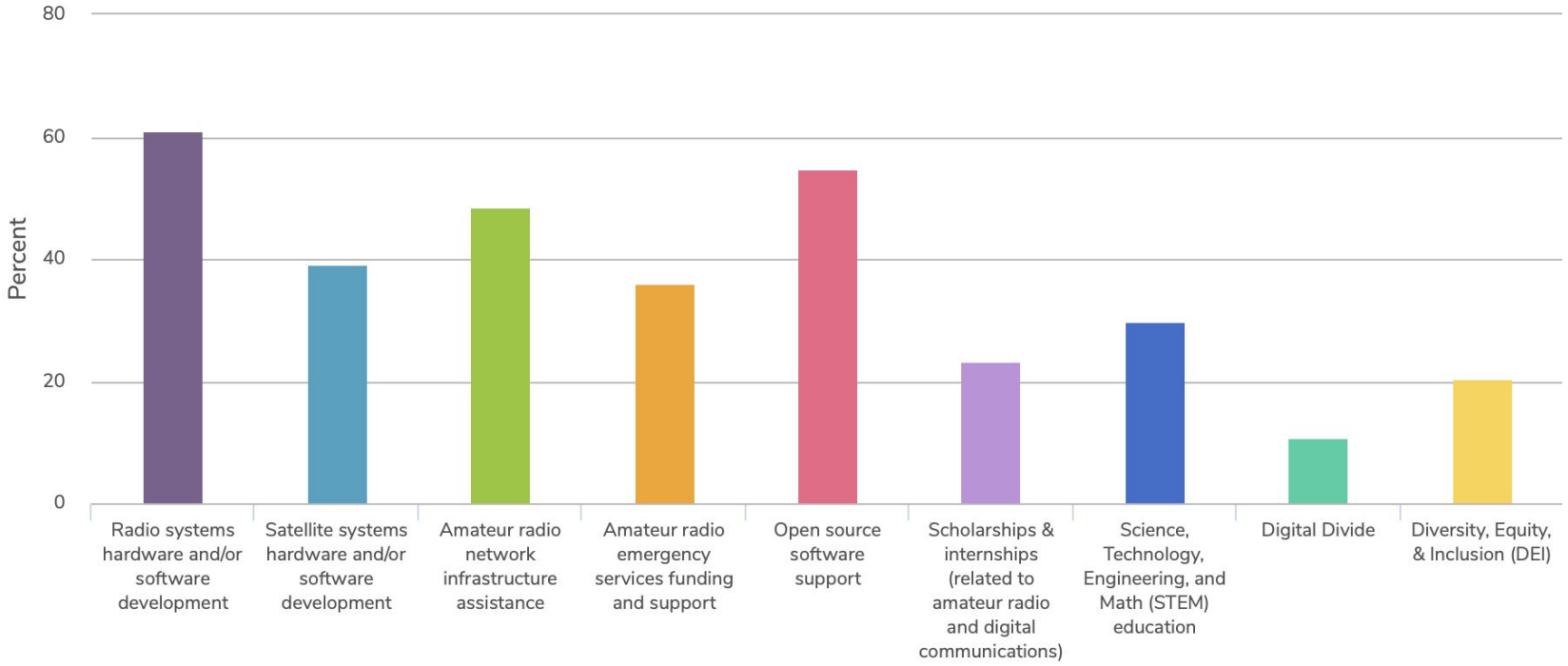
What would you like to see more of?



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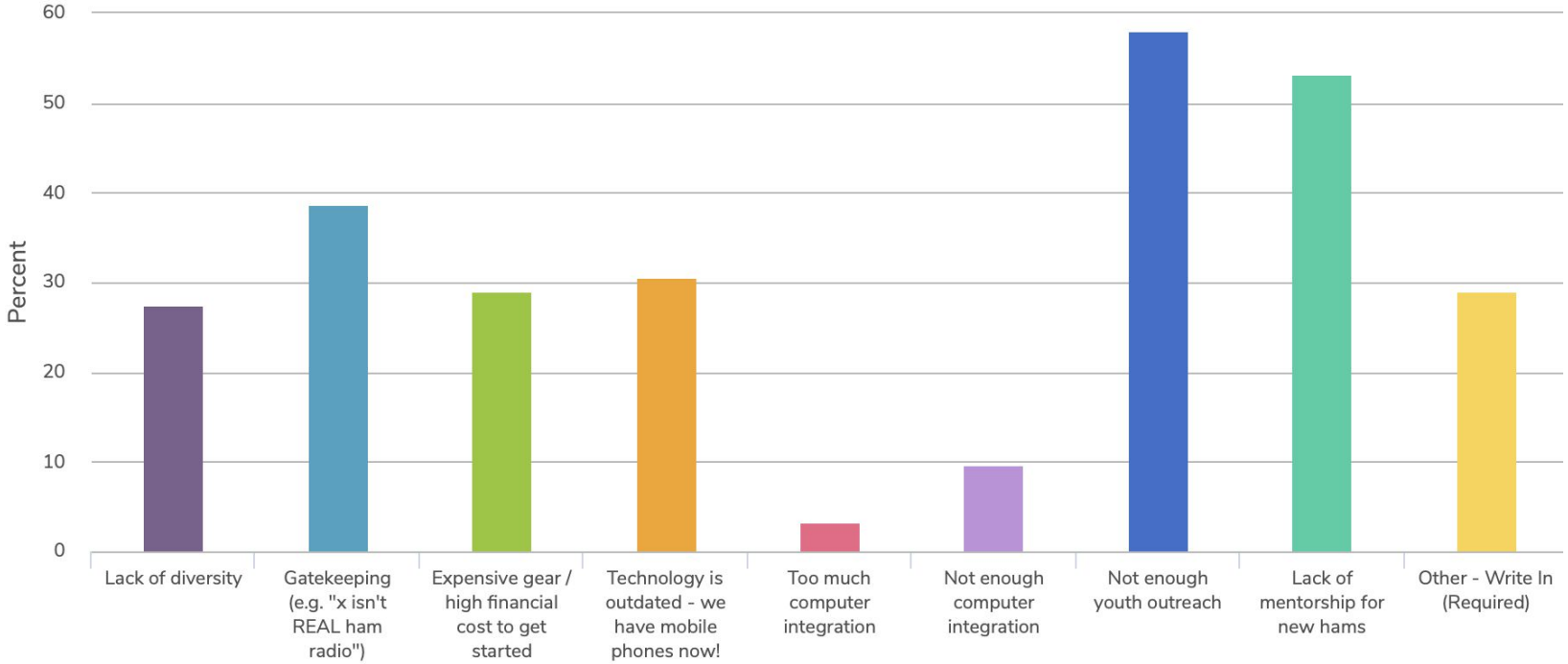
What are amateur radio's biggest challenges?



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How would you solve these challenges?

Marketing

- Find partners to develop media campaigns.
- Make a concerted effort to emphasize the interesting and relevant aspects of amateur radio to attract techies/makers.
- Amateur radio needs better marketing.
- Encourage local clubs to have a bigger public presence, which will give others the chance to see what amateur radio is all about.

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How would you solve these challenges?

Technical

- Provide funding for comprehensive, 5-year projects designed by and administered by experts with appropriate training and experience.
- Partner up with Elon Musk and his LEO satellite system. He needs IPv4, so trade some for free ham access to his system.
- Use open source technologies to lower costs of entry.

How would you solve these challenges?

Education

- Provide grants to install basic amateur radio stations in schools.
- Get K-12 and college students involved. Work with them to help them discover the relevance of ham radio.
- Get into the schools and colleges and teach amateur radio classes.
- Hold classes for younger radio operators to build their own antennas and station accessories to get started.
- Provide online forums, documentation, and videos to build communities and share technology.

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Additional ideas / Potential Projects

- Documentary
- Open Sourcing Proprietary Technology
- Scholarship endowments

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Q+A // Ideas?

Thank you!

Reach out any time: contact@ardc.net