

# The Titusville Communicator



*Official Publication of the Titusville Amateur Radio Club*

WWW.K4KSC.COM

"Titusville Amateur Radio Club's purpose is to conduct our Club programs and activities to help advance the general interest and welfare of amateur radio in our area communities."

## TARC JULY SITREP

By Paul Fee ~ N6PDF

Amateur radio, often called ham radio, is more than a hobby—it's a vital tool for communication and community service. Enthusiasts use radio frequencies to connect across vast distances, fostering technical skills and global connections. Beyond personal enjoyment of the hobby, amateur radio operators play a significant role in supporting others, especially during emergencies and community initiatives.

Ham radio operators are uniquely equipped to assist during crises. When natural disasters like hurricanes or earthquakes disrupt conventional communi-

cation networks, amateurs step in to provide critical links. Organizations like the Amateur Radio Emergency Service (ARES) coordinate with local governments and relief agencies to relay messages, ensuring vital information reaches those in need. Beyond emergencies, amateur radio operators contribute to education and community engagement. Many hams mentor young enthusiasts, teaching them about electronics, radio wave propagation, and coding. Clubs often host "Field Day" events, where operators set up portable stations to demonstrate their skills, inspiring others to explore STEM fields. These events also strengthen communi-

ty bonds by bringing people together for hands-on learning.

Amateurs also support public events, such as marathons or charity walks, by providing real-time communication for organizers and safety teams. Their expertise ensures smooth coordination, enhancing event safety and efficiency.

Through their passion, amateur radio operators not only enjoy a rewarding hobby but also serve as unsung heroes, bridging gaps in communication, fostering education, and strengthening communities worldwide.

*Paul*

## History of TARC is available online for your viewing pleasure!

By Steve Schindler ~ NA4SA

The Internet Archive's Digital Library of Amateur Radio and Communications (DLARC) has completed digitizing the printed copies of the TARC newsletter from 1988 through 2007.

Now all 232 editions of both the printed and more recent digital versions up to the present time are preserved online and are available for free public access by anyone with an internet connection.

You can view the complete collection of TARC newsletters at: <https://archive.org/details/titusville-arc>

In addition to creating an online image of each newsletter, the digitizing process uses optical character recognition to create a text file of the complete content of each newsletter. Consequently the entire collection can be searched via the search box on the main page.

After entering your search terms, be sure to select "Search text contents" before clicking on "Search this collection."

Try searching on your callsign (and former callsign if you had one). You may be surprised by the results.

TARC's Mosquito Net archive material was shipped to the DLARC

in late July. Digitizing this collection will take longer than the newsletters.

Because this detailed online collection consists of different types of materials such as net rosters, graphics, QSL cards, pictures, letters, and newsletters the archivist will need to organize the collection prior to scanning.

Once Mosquito Net material starts appearing online I'll provide an update to this article.


Steve ~ NA4SA

*PS - Big thanks to Steve for taking on this task! He just took it upon himself to do all of this legwork to put our history and newsletters online for everyone to enjoy! Great job Steve!!*

**Volume II, Issue 7  
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### Become an Amateur Radio Operator

Learn everything necessary to obtain your FCC license

This **FREE** 7-week class beginning on August 16, 2025, uses the American Radio Relay League's License Handbook 5th Edition.

Call or email to register for this class.

- American Legion Post 22  
241 Peachtree St, Cocoa, FL 32922
- 12 PM - 4 PM (approximately)
- Contact: Alan Zimmerman 443-574-8387
- Email to Register: [info@k4sfl.org](mailto:info@k4sfl.org)
- Website: [k4sfl.org](http://k4sfl.org)



## Have you ever operated Remotely? Try it! You'll Like it!

Picture this: you're out in the wilderness, backpack slung over your shoulders, trees whispering secrets, and you're trying to set up an amateur radio station. It's just you, your trusty ham radio, and a dream of chatting with someone in Timbuktu from a mountaintop. Operating a remote amateur radio station while camping, backpacking, or hiking is a wild ride—equal parts thrill, challenge, and comedy show.

First, the challenges. Lugging radio gear up a trail is no picnic. Your backpack's already stuffed with granola bars and a sleeping bag, and now you're hauling antennas, batteries, and a rig that feels like a brick. Weight is your enemy, and every ounce counts when you're huffing up a hill. Then there's the setup: finding a clear spot to string up an antenna without it getting tangled in a tree or zapped by a rogue lightning bolt. Mother Nature's not always

a fan—she'll throw wind, rain, or curious squirrels at you just to test your patience. And don't get me started on power. Solar panels sound cool until you realize the sun's playing hide-and-seek behind clouds, leaving your battery gasping.

But oh, the opportunities! When you finally get that antenna up and the radio crackles to life, it's magic. You're chatting with a ham in Japan from a rocky ledge in the Rockies. Remote operating lets you escape urban noise, giving you clearer signals and a shot at rare contacts. Programs like Summits on the Air (SOTA) turn peaks into bragging rights, where you rack up points for making contacts from high places. It's like Pokémon Go, but for radio nerds. Plus, you're off-grid, living the dream—part survivalist, part tech wizard.

The real fun? The stories. Like when your antenna pole collapses mid-contact, or you accidentally broadcast your campfire sing-along to a ham in Germany. It's a hobby that mixes grit, geekery, and a good laugh. So, pack light, pray for clear skies, and get ready to make waves—literally—from the middle of nowhere.

Ask Greg ~ KK4LWB about operating remotely. He's our local POTA enthusiast and is teaching us LOTS about what it takes to venture into the wilds and get on the air.

We're looking forward to many more adventures and learning what it takes to POTA and SOTA and Backpack and Mountaintop our way onto the airwaves!

## How can AI (Artificial Intelligence) be used in Ham Radio?

Imagine you're on the air, chasing that rare DX station, but your radio's audio sounds like a lawnmower convention. Enter RM Noise, the AI-powered software that's like a superhero for amateur radio operators, swooping in to save your ears from the static chaos. This cloud-based gem, designed for Windows 10/11, takes your radio's noisy audio and transforms it into something you'd swear was recorded in a soundproof studio.

Thanks to Mike KW4DX, we now know a little bit more about what AI can do for amateur radio! Thanks for bringing this to our attention, Mike!

Here's the magic: RM Noise uses a neural network trained on a buffet of ham radio noise—think QRM, static, and that neighbor's plasma TV gone wild. You plug your radio's audio-out into your PC's audio-in (or

use a virtual audio cable like VB-Audio for slick setups like FlexRadio). The software ships this noisy signal to a cloud server, where the AI, like a digital dishwasher, decides what sparks joy (voice or CW) and what's clutter (noise). It then beams back clean audio in near real-time, with a slight 200ms latency—barely enough to notice unless you're speed-ragging on CW.

You can tweak the noise reduction with sliders for SSB or CW filters, but don't expect it to boost weak signals—it's a noise zapper, not a signal amplifier. Setup's a breeze: download from [ournetplace.com](https://ournetplace.com), register with your callsign, and you're golden. The catch? It needs internet, so no Field Day heroics without Wi-Fi. Still, RM Noise is a game-changer, making your QSOs sound like a dream, even if your neighbor's TV is screaming. More info at: <https://ournetplace.com/rm-noise/>

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\*\*\* NOTICE \*\*\*

There is an opportunity to help out other amateur radio operators here in Brevard County. The SCARS (Space Coast Amateur Radio Society) is in need of healthy and strong helpers to pick up a tower and set it on a trailer. It will take at least 10 total people to make this work. This would involve a trip to Daytona Beach on Sunday, August 3rd. It's happening not far from Bucee's on LPGA Blvd Exit off I-95. If you can assist for just a short time, there will be a nice lunch provided and you'll get to help out your fellow amateurs.

Email: paul.n6pdf@gmail.com for RSVP and Details

**TARC General Membership Meeting Minutes 07/22/2025**  
**Masonic Lodge, 19N Washington Ave., Titusville FL**

President, N6PDF, welcomed everyone and called the meeting to order at 7:00pm; followed by Vice President, KN4AQJ, leading us in the Pledge of Allegiance. Attendees and members introduced themselves; and President, N6PDF established that we had a Quorum.

A Motion was made, seconded, and unanimously approved to accept the membership applications from the following new members: Wayne Nelms, N3LMS; Michael Whepley; WY1K; and Michael Mansfield, KR4FCB. A motion was made, seconded, and unanimously approved to accept the Meeting Minutes for 6/24/2025, as printed in the newsletter. A Motion was made, seconded, and unanimously approved to accept the Treasurer's Report as read by, Treasurer, Steve, NA4SA. President, N6PDF, Announced/reminded us of our Weekly Net Times and Net Controls as published in our Monthly Newsletter.

Repeater Trustee, Dave, KY4F, stated that all TARC Repeaters are up and running properly. Roy, N4RKM, mentioned that sometime during the next two weeks the 146.91 Repeater will be down for about 15 minutes while he re-routes the antenna cable. Paul mentioned that posted on our WebSite there is a link to click on to get the status of the solar system powering the 146.775 Repeater located on the Denman (KD4HNW) Property, off of Aurantia Road in Mims. Link: <https://aprs.fi/telemetry/a/K4KSC-12>

The following Old/Unfinished Business was discussed:

- New club By-Laws, Status: On-Hold. Paul, N6PDF, stated that the BoD has decided to not move forward until after the 501( C)(4) revocation by the IRS issue is resolved.
- Comm Trailer: Paul, N6PDF, stated that the new seal seems to be holding up; and Mike, KW4DX, reported a leak from above during the field Day activation, and Tom, KN4GLO, stated that the leak from the antenna on top has been repaired.
- 501 (c ) (3) Status: Stephanie, K4MVO - Ongoing.
- Mission Statement and Club Future, Status: Paul, N6PDF – Survey Results – to be published in our Newsletter – included some of these top interests: Digital Modes such as FT8, and designing and building antennas.
- July 4th, 13 Colonies Special Event, July 1st – 7th - Status: Barry, N4NMF; Mike , KW4DX; and other members worked this event, but not as a K4KSC.
- Participation in the Florida QSO Party Sponsored by Florida Contest Group: Mike Daniels, KW4DX, Team Leader: Our Results were better than previous years, but we are waiting on the Florida Contest Group to get our official score and placement.
- Discussion on ARRL Field Day – June 28 – 29, 2025, Fox Lake Park, Results: Team Leader, Mike Daniels, KW4DX:
  - The trailer was moved from its "traditional location" to under the trees to keep it cooler.
  - The antennas were separated, which improved signals and performance, and the topic of re-cabling was discussed.
  - A suggestion was made to convert the generator back to Propane; and Mike, KC4JEM, added that going back to propane would mean that participants would not have to be out in the middle of the night refueling the generator with gas. Tom, KN4GLO, said that the conversion would cost about \$250, and we already have the tanks.
  - Paul, N6PDF, mentioned wanting to put the A/C on separate power source, and Tom, KN4GLO, described how the trailer is wired, and how that might not be a simple fix. Tom, KN4GLO, also stated that the power at Fox Lake Park Pavilion is insufficient to support both the A/C unit, and the coffee pot.
  - Tom, KN4GLO, added that with all the projects and suggestions to improve the existing trailer, maybe it is time to consider a new and larger trailer for similar activation. On "Marketplace" 30 foot trailers are going for \$5,000.00, and several members stated that they have vehicles to haul a trailer of that length.
  - Greg, KK4LWB, mentioned that next time he'd like to see an operator at each radio station.
  - Greg, KK4LWB, suggested that Paul, N6PDF, should do another survey for an 'After Action Report'/ideas for improvement, and Paul, N6PDF, agreed.
  - Mike, KW4DX, and Mike, KC4JEM, started a discussion of a free 'AI' Noise Filtering Program for signal improvement - RM Noise. Jay, NB4B, installed it, and made an incredible difference. Website: <https://ournetplace.com/rm-noise/>
  - ARRL Summer Field Day Estimate points submitted: 2,744

h. Survey Results: Paul, N6PDF - only 19 members responded, and he will try again, and will add: 'No Response' as a possible response, as suggested by Jay, NB4B.

New Business:

- Paul, N6PDF, Request for Support by SCARS: Work Party Date and time, and Rick Harrison is the POC, for those who want to help. Flyers were handed out with information.
- N6PDF, Repeater Site Projects & Upgrades: A Motion was made, seconded, and unanimously approved to establish a Repeater Linking Upgrade Committee tasked to research upgrading our existing equipment, and to consider adding AREDN, Amateur Radio Emergency Data Network. Dave, KY4F, volunteered to chair this Ad Hoc committee. Dave also stated that with the low use of our repeaters it may not be worth the cost to upgrade; therefore, this committee will also research the cost of implementing upgrades. Several members added their suggestions for improvement and expansion of our current repeaters' capabilities.
- Call for membership input, ideas, items, questions, and/or discussions:
  - Dean Hall, who is studying for his license, has a tower he needs help putting up a tower. Mike, KW4DX, will help coordinate help from TARC.
  - A Fan Dipole Antenna build project was suggested for a Club Project for when the weather cools. Date and Time TBD.
  - Stephanie, K4MVO, mentioned the Lighthouses-On-The-Air, a 24 hour special event is coming up in August 16th to 17th. Barry, N4NMF, gave us the details: Kennedy Space Center Amateur Radio Club, N1KSC, will be activating this year. August is Lighthouse Month, and the Cape Canaveral Lighthouse will be open to the public – via reservations for tours - on Thursday August 7, 2025.
  - Paul, N6PDF, offered to organize a TARC work party to help Mike, KR4FCB, with his antenna system.
  - Greg, KK4LWB, wants to organize a club action for POTA, to take place sometime in the Fall, not to conflict with other activities. Information about this activity will be in our Newsletter.
  - Mike, KW4DX, recently made contact with Petra, DL7PIA, who is running a special event station, DA1250HAS, in Haslach, Germany, for the entire year to celebrate their founding in 775. She is requesting QSL Cards which will be displayed at her town hall. Mike will provide more details in our Newsletter.

Our Guest speaker was Keith, KN4AQJ, who gave us an interesting demonstration of Scanners. He explained scanner use, and showed us how his older Radio Shack, Pro-107 Scanner works. He also explained how the newer models are programmed and how they work. He told us about how his hobby of using scanners got him into Ham Radio.

Our Meeting was Adjourned at 8:57 PM. The AA4HP Radio Sport Club, Inc. sponsored the 50/50 Raffle. The winner was Greg, KK4LWB, for \$38.50, which he returned to the club. And the AA4HP Radio Sport Club, Inc. donated the remaining \$38.50 to TARC. Stephanie, K4MVO, also raffled off door prizes provided by the AA4HP Radio Sport Club, Inc., and a lively social time followed.

Respectfully submitted by  
TARC Secretary, Stephanie Merritt, K4MVO

### Weekly On-the-Air Nets

Name	Frequency	Day	Time	Net Control
2 Meter SSB Net	144.210 MHz USB	Monday	7:00 PM	George WG4ES
Skywarn Net	146.970 MHz	Tuesday	7:00 PM	Barry N4NMF
Mosquito Net	28.333 MHz USB	Wednesday	7:00 PM	George WG4ES
Friendship/Traders Net	146.970 MHz	Thursday	7:00 PM	Keith KN4AQJ