



# THE COMMUNICATOR



Mailing Address: P. O. Box 976, Nokomis, FL 34274

W4AC Repeaters: 444.100 MHz (DMR) & 146.805 MHz (-) (PL100 Analog)

Incorporated 1984

<https://www.tamiamiarc.org>

February, 2024

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## President's message .... KN4BAR

**OK** members.....**Don't Forget Valentine's Day!** To help you remember we have our monthly club meeting on Valentine's Day this month. Bad timing for sure but it does only happen once every 7 years. Kind of like a short solar cycle. We have a great after meeting presentation scheduled too. Chip WO0S will tell us all about how to get started doing Parks on the Air (POTA). Speaking of POTA, there was a great article in the January QST about the same topic. Click here: [ARRL magazines, - JANUARY 2024 QST - Page 64](#)



Only about 65% of the current club membership have identified as being ARRL members. I know some of you have no love for this 110 year old organization, but I also think many of our members have just been apathetic about joining. ARRL represents US to the FCC, congress, the country, and the world, and in so doing they provide a valuable service to amateur radio.

Their monthly magazine, QST, also publishes many, many interesting and useful articles about ham radio each year. In MHO, it is well worth the cost of membership and additional cost for an annual QST magazine subscription. I prefer the digital edition of QST - not because it is less expensive; but because I like the convenience and flexibility of having it available at my digital device fingertips wherever I go, and whenever I want to read it.

Kudos to Tom, W4IEE, Jack, W1JJR, Steve, NS4P, Frank, W2XYZ, and Rich, KK4AHZ, for all their hard work making solar PV emergency power available at the Englewood repeater site. All great club members doing great work for a better club! Read all about the project in this issue of The Communicator.

Finally, please consider 1) riding the bus to HamCation in Orlando with us on Saturday, February 10<sup>th</sup>, and 2) participating in route monitoring for the Shark's Tooth/Fin 10 and 5k race events at the Venice airport festival grounds on March 2 and 3. Information for both activities can be found on the club's website.

**Remember - If you haven't paid your dues by March 1st you will be dropped from the club roster.**

*73, Paul, KN4BAR*

**No dues?**  
**Last Issue!**

**Next meeting 6:30 PM, Wednesday, February 14, 2023 at Venice Presbyterian Church Fellowship Hall, 825 The Rialto, Venice 34285**

## TAMIAMI AMATEUR RADIO CLUB *Minutes of the 1/10/24 Meeting*

Elmer assistance hour from 6:30 - 7 pm for information and mentoring of interested ham radio operators. So we can be better prepared, tell us what you need help with by email to:

askemer@tamiamiarc.org

Meeting called to order at 6:32pm by Paul, KN4BAR, followed by flag salute.

### INTRODUCTIONS :

Visitors: Deb and mother Mattie, Bob K8RGI, Independence Ohio; Al, WB8BWK, Elgin Illinois, Susan.

Remaining attendees introduced.

**SECRETARY'S REPORT:** Peter, KV4LR, motioned to accept the minutes of the December 12 meeting as published in the January Communicator, 2nd was made by Mike W0MJL, and was passed by unanimous voice vote.

**TREASURER'S REPORT:** Frank Wroblewski, W2XYZ gave a summary of December financial transactions: current balance \$28,783.45.

Motion to approve the treasurer's report was made by Jack, W1JJR, and seconded by Roger, N9RM. The motion was passed by unanimous voice vote.

### COMMITTEE REPORTS:

**SUNSHINE:** Jim KN4DO, nothing to report

**VE TESTING:** February test will be on 2/03/24 one week early, due to HamCation on 2/10. Currently one candidate for testing. Steve, NS4P, noted that there is a new Extra Class testing question pool coming this summer. Test now if you've been studying the old manual.

**LIAISON TO QCWA;** by Al, K0AL, next meeting February 5, 11AM at Denny's on Bee Ridge in Sarasota. All are invited to attend.

**REPEATER / TECHNICAL;** Frank, W2XYZ, reports repeaters are working. Reminder: 10M net on Wednesday 7:30, Tuesday DMR net 7:30, Thursday 2 M net at 7:30, the North Port "Die Hards" net on 147.120 MHz (+) PL 136.5 hz on Monday's at 8 pm, and the North Port "Knuckle-dragger" net on Thursdays at 5 pm on 7.215 MHz.

**REMOTE STATION UPDATE;** Tom Shrilla, W8QJF. Those who want to use our remote station should contact Tom. You must be a club member, have at-

tended 4 meetings or events, and have an active license.

**PIO INFORMATION AND REPORT:** Dwight, KT4DDS, reported we now have 486 FB followers.

**MEMBERSHIP;** Jack, W1JJR, is now managing membership data. Jack reported 178 total club members; 153 full members, 8 associate members, 4 first year free members, and 13 life members.

**ANNOUNCEMENTS:** Roger, N9RM, announce the Venice Community Expo on February 2nd, there will be a TARC presentation at 11AM.

### OLD BUSINESS:

Winter Field Day, Feb. 27 and 28. Setup at the Coast Guard Station after Perkins breakfast on 1/26. Frank, W2XYZ, noted new rules: Only 100 watts, no amplifiers. Digital, but not FT8. The theme is emergency communications working as many modes and bands as possible. CW, PSK, RTTY, SSB. 160M through 10M. Saturday hours 2 PM to 10PM; Sunday 8 AM to 1:59 PM.

Solar Power at repeater station: Tom, W4IEE, progress; the "bridge" is up and the 3 solar panels are in place. Tom estimates it will be operational in two weeks.

Scholarship: Steve, No progress

HamCation, February 9-11, Orlando. A TARC rented bus will depart the Coast Guard station at 6:30AM, 2/10/24, cost is \$50 pp, return time is 4:30PM. There are 55 seats available. Currently we have 22 reservations. We need 35 paid reservations in order to break even. Less than 35 and we cancel the bus.

Shark Tooth Run, March 2-3, 2024. The club will help monitor the races, the Sharks Tooth 10 K on 3/2 and the Sharks Fin 5K on 3/3. The race is around the Venice airport grounds and the club will track runners' progress around the course. We need more help on Sunday.

Fort Myers Hamfest January 19 and 20.

### NEW BUSINESS:

Spring Into Action: the first 10 club members who sign up to upgrade their license will receive a \$50 DXE gift certificate, paid testing fee, and next years club dues paid. Offer expires in June 2024.

Continued >>>>>

## TARC Minutes, continued

The Second Annual TARC Barbecue is planned for Sunday, March 24, at Oscar Sherer State Park. This year's tariff will be \$12. Park entry fee is \$5 per car. There is a link to sign up for the barbecue on the club website page:

<https://tamiamiarc.org/wp-easycart-parent/store/>

Shark Tooth Festival April 13 and 14. Dwight, KT4DDS, has arranged for us to set up on Venice Ave near City Hall with no overhead trees so we can set up antennas. Using club repeaters and a white board to record contacts on the World Wide Talk Group the public will see how easy it is to "get out"! We need volunteers to help at the booth and to operate the station.

POTA training. Jim, KN4NDO, proposed that the club do a POTA training program so that those who wished to try POTA would understand how to proceed with admin details, and learn how to set up a remote station. Jim noted the ARRL has a new POTA book. Chip WO0S will do a club meeting presentation on how to get the administrative stuff in line. Experienced POTA club members will announce via groups.io when and where they will be doing POTA, and invite others to participate and offer

guidance on how to build a POTA station. Email to [ASK ELMER](mailto:ASK ELMER) on our club website if you need help.

ADJOURNMENT: Moved by Tom, KE4RXM, seconded by Nancy, N4ZM, motion was passed by unanimous voice vote at 7:29 pm.

Paul KN4BAR presented an after meeting program on WIRES-X



Next Meeting Date: Wednesday, February 14, 2024 @ 6:30PM. Happy Valentines Day

Respectfully Submitted, Art Wester K4NUM, Recording Secretary

## Welcome new members .....

First name	Last name	Call sign	Class	Memb. type
Robert John	Robbins	K8RGI	Extra	Member
Al	Santini	WB9PWM	General	Member
Carol	Santini	KA9ZEO	Technician	Member



Expect to be reminded several more times before March 24<sup>th</sup> about the planned TARC BBQ! Since we have two world-renowned grill-masters on deck to provide our southern vittles, it would be a great loss to miss this event. Make your reservations immediately, if not sooner!

Click [HERE](#)



# CHASING DX

CQ DX CQ DX....  
Column No. 15, February 2024 - Issue 16

DX Editor: Tony DiCenzo, KX1G  
KX1G@ARRL.NET

## Announced Top-100 DXPEDITIONS scheduled in February 2024

DATES	ENTITY	CALLSIGN	QSL INFO	INFO
Jan 18 - Feb 1	Clipperton Is #37	TX5S	LoTW; Check web page	Dates subject to change!
Feb 22 Mar 7	Temotu #43	H40WA	LoTW; QSL via M0URX	QRV for CQWW SSB; CW SSB FT8
Feb 10- 24	Juan Fernandez #58	CB0ZA	Check web page	Dates subject to change
Feb 10- 28	Solomon Is #76	H44MS	QSL Via M0URZ	holiday style until Apr 29
Feb 19 – Mar 9	Wallis & Fortuna #91	FW8GC (check!)	TBD	CW SSB RTTY FT8 FT4

Check **Announced DX Operations** at <https://www.ng3k.com/misc/adxo.html>

### Tips for Working CW in DX Contests

Working DX in CW contests can be frightening to newer hams. Heck, even more experienced hams have difficulty with the speed demons. But you can work a LOT of DX in contests, especially this month's ARRL DX contest. So here are few tips.

Load up your memory keyer with your call sign and your report. You can just 'hit the buttons' rather than the key.

Confirm a station's call sign using the DX Cluster or look it up on QRZ, a good way to assure you have it correct.

Third, listen to the station send a few reports before attempting to work them. You may be able to anticipate the report they give you.

Send your call and your report at YOUR SPEED, not the DX stations. Most will slow down for you.

Finally, Program a key to send 'AGAIN?'.  
or simply '?' [dit dit dah dah dit dit]

### Important DX Contests in February 2024

- ARRL International DX, CW Feb 17-18
- CQ WW RTTY WPX, February 10-11

### Answer to the January 2024 Question of the Month

The question was: When you were attempting to reach your DX goals, be it to achieve DXCC, 5 Band DXCC, Honor Roll, etc, what was your strategy for *finding new DX* to work?

This turned out to be tougher than I thought it would be. Many tips for *working* them but not much in the way of *finding* them. So here's a little help from me.

Four ways that helped me immeasurably are (1) DX Cluster spots, DX Nets, Contests, and (always included on this page) the Announced DX Operations page at <https://www.ng3k.com/misc/adxo.html>.

### Question of the Month for February

February is pretty special. It's a short month. The 14th is Valentines Day. How may ATNOs (All Time New Ones) did you work in the month of February since you were licensed? Yes. Dig into those logs. (hint! You might also use LoTW).

If you have a suggestion for a DX question, please send it to [KX1G@ARRL.net](mailto:KX1G@ARRL.net).

73! Tony KX1G





# Wiinter Field Day, continued .....



operated four transmitters and made 873 contacts. Prior to last weekend, we (I) expected our score would not be that great. Very much to my surprise, we did rather well with running only two transmitters and we operated less than the full 24 hours.

The breakdown is as follows: CW made 277 contacts, SSB contacted 297 stations, we made 50 digital QSOs using PSK-31. That comes to a total of 624 contacts. With multipliers and modes, our final score was 9510 points. That's much better than I expected.

I suppose some credit goes to reliable equipment and good propagation, but the real heroes are the members that hauled equipment from our storage site to the USCG station, assembled and erected antennas, sat in hard plastic chairs for hours to take turns operating one of the two radios we had on the air. Also, credit to those that participated by being present in

case someone needed a break from operating or acted as observers to learn from others. Let's not forget the crew that showed up Sunday afternoon to disassemble the antennas and repack the equipment and finally to transport it back to our storage site so it's ready for our next operation. We all deserve a hearty round of applause.

**73, Frank, W2XYZ**





## Spring Into Action Redux

For the second year, TARC will sponsor an internal, members-only license upgrade incentive program designed to **GET YOU OFF YOUR BUTT**, into the books, and ready visit with our club's VE team to test for the next level of amateur radio licensing.

Any club member in good standing (dues paid) is eligible for the incentive between February 1 and June 8, 2024. Upgrade from any current license class is recognized; but new Technician class license testing is excluded. Last year we recognized 15 club members for upgrades. This year we can't afford to be as generous, so this offer is limited to the first 10 members who qualify. Just test with our VE team and if you pass you get:

- (1) 2025 dues paid by the club
- (2) \$50 DxEngineering gift card
- (3) TARC pays your test fee (pass or fail, we pay)



## Coming Events.....

### TARC bus to HamCation February 10th

#### BUS FAQs

What is the cost of the bus?

- ◆ \$50.00 per person

Where and when do I get the bus?

- ◆ 6:30 AM at the Coast Guard Training Center on Harbor Drive
- ◆ Or about 7:15 at the Red Cross in Sarasota

Is there room on the bus for the stuff I buy?

- ◆ Plenty of room in the bus's luggage space!

Can I access the bus during the day?

- ◆ The driver should be available for access at certain times during the day.

When does the bus leave for home?

- ◆ 4:00 PM

#### HAMCATION FAQs

What frequency should I dial up on my handheld to talk to fellow TARCers?

- ◆ 146.805 simplex (the W4AC output frequency).

Is there a phone app?

- ◆ Install the "ARRL Events" app on your smartphone to navigate HamCation

**Shark's Tooth: 10K - 3/2, Fin 5K - 3/3  
Festival - 4/13 & 14, 2024**

*A smart man only believes half of what he hears,  
a wise man knows which half.*

*Jeff Cooper*

# Let there be light (and power)

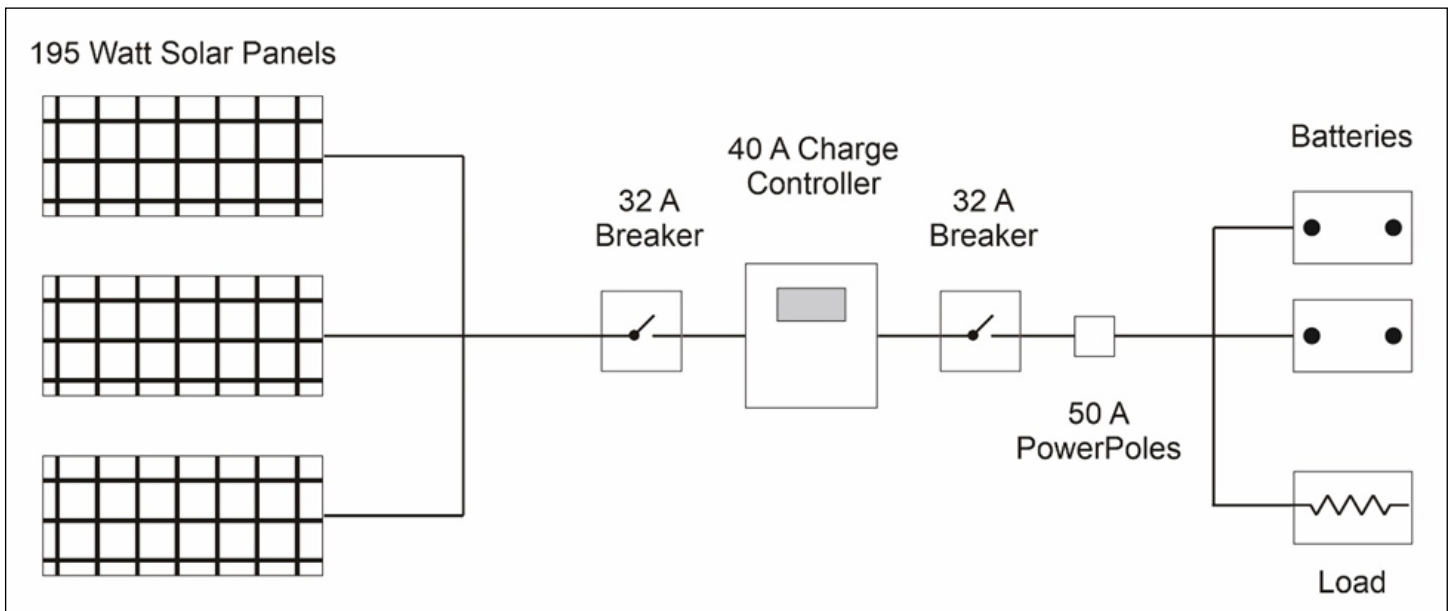
by Tom, W4IEE

**S**olar PV installation at the TARC Englewood repeater site is complete. The idea of installing solar was first presented to TARC in June 2023. It was approved shortly thereafter, and completed in January 2024. Six months, more-or-less, from concept to reality. It was estimated to cost under \$1,500 and came it at \$1,038.19.

This article will not repeat the concept, calculations, justification and final proposal. I can pass that along to anyone who would like to see it via email.

The onsite helper bees included: Jack Rosen, W2JJR, Rich Macready, KK4AHZ, Frank Wroblewski, W2XYZ, Steve Phillips, NS4P, and this author. I apologize if I missed anyone.

In a nutshell, here is the schematic of the system as built:



The project was put in place in five steps:

- 1) rebuild the wire trough 'bridge', last rebuilt in 2014
- 2) install three 195w solar panels
- 3) install charge controller and circuit breakers
- 4) wire the solar panels
- 5) wire the battery

**Bridge** – This took the most effort by the most helpers at one time. The old bridge was taken apart carefully, paying particular attention to the wires it supported. The new bridge was constructed with outdoor lumber from Tibbets Lumber just down the street. It was screwed together with GRK Torx head self-drilling screws with pilot holes to help prevent splitting. Level was set with a slight angle towards the tower, away from the building. As with the original bridge, the entry door clears the bridge by an inch or two.

**Solar Panels** – it was known going in that there wasn't much space for three panels and that the tower



would likely cause some shading. With almost 600 watts of panels, a little loss was considered tolerable. The panels are set to 180°, due south, at 26°, 18° and 10° to the horizon. Calculations for the repeater location put the panels at 20°, but to prevent shading

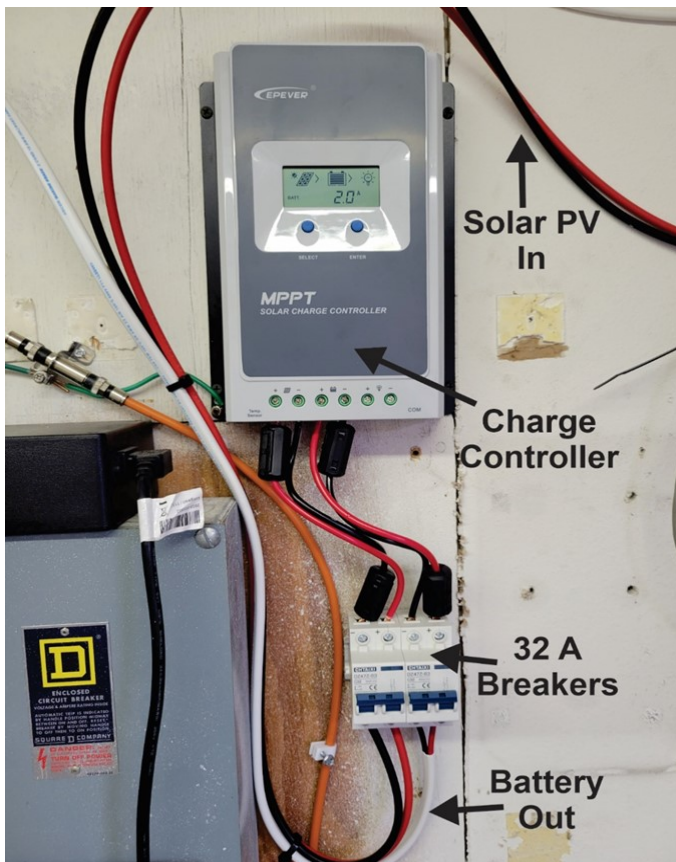
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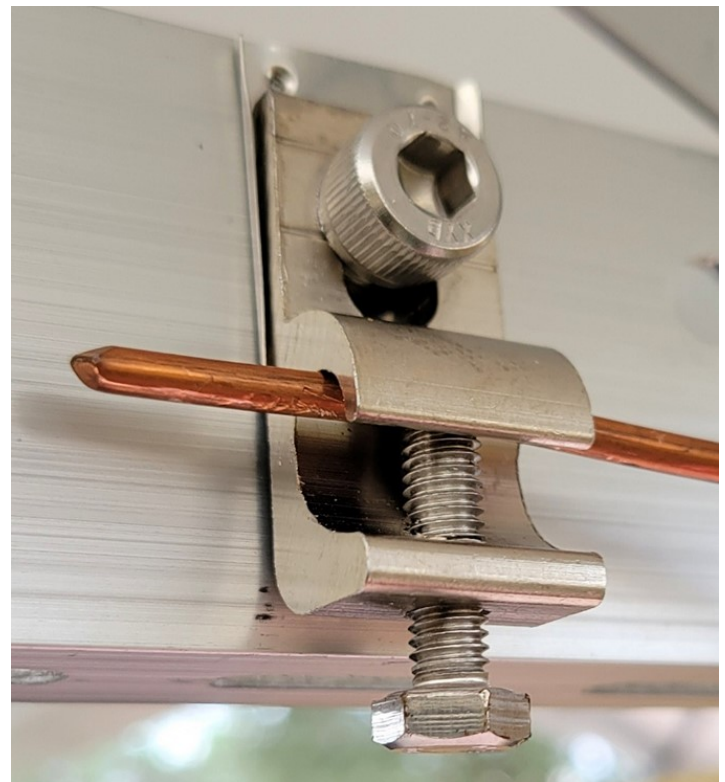
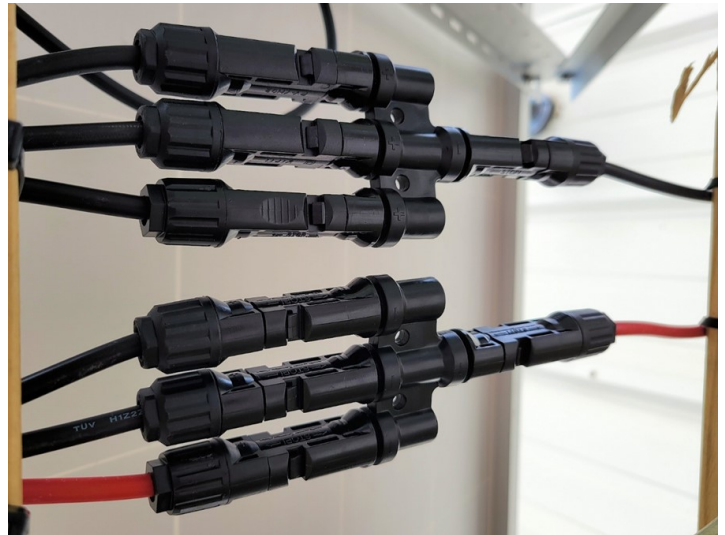
## Solar installation, continued

panel-to-panel, they were set as noted. Once the panels were installed, the mounting bracket hardware was changed out to 8mm X 20mm locking flange head bolts and nuts.

**Charge Controller & Breakers** – This was easy, four screws into the wall plywood once the location was chosen. Circuit breakers were mounted below with a couple of screws to line up with the in & out of the charge controller. The original design only used one breaker between controller and battery, but a second was added between the solar and controller to make it easier to work on and around the system. Ferrites were added just-in-case.



**Solar Panel Wiring** – The panels came with ~3' lengths of solar 10awg cable and MC4 connectors for Plus & Minus. A 3-into-1 adapter was used to connect the panels in parallel to the cable running to the charge controller. One short section of wire with MC4s was added to extend the front-most panel to the adapter. Solar cable is stiff even though it is stranded. It has very robust insulation and is UV resistant. Special grounding clamps were used that bite into the aluminum. It was run to an existing clamp on the tower.



**Battery Wiring** – Flexible #10 wire was run to the batteries. 50 amp PowerPoles were added to the battery cable, the solar controller cable, and the 120vac cable. The PowerPoles allow either the solar system or the 120vac charger to be swapped in if and when needed.

The project is 99.9% complete. There will always be something that needs tweaking as we go along. It works!! It was fun to design, install and see operate. Thanks to the helper bees – it could not have been done without them.



## Better, Bigger, Faster, and Cheaper – You can have it all in 3D

b K  
Y 7  
T O  
O N  
M E

There have been many articles about 3D printing for ham radio. In my case, 3D printing came before I was a ham. My first introduction to 3D printing (also called additive manufacturing) was in the early 90's when I saw article ad in Machine Design magazine. It instantly conjured up images of the "replicator" on Star Trek. Sometime in the early 2000's I saw one of the first 3D printers for metal at the International Machine Tool Show in Chicago. Since then I have seen all kinds of crazy printers at places from Maker Fairs to NASA. I even saw one printing a life size manikin and one printing clay pots.

At some point you have to join the craze – so about 6 years ago I got my first printer when prices hit \$300. In November I got my second printer for under \$200. It is bigger, faster, and better! (But not perfect.)

3D hobby printers are not perfect and at some point they will frustrate you. Probably the biggest problems are the print not adhering to the build plate, and/or the printed object is very difficult to remove from the build plate. The causes of these problems are many and it can be frustrating to work out. Until relatively recently, you had to manually level the build plate. This involves moving the print nozzle around and adjusting leveling screws on the 4 corners of the plate. It is very important to have the print nozzle the correct and consistent distance from the bed. One issue with this method is the build plate is not perfectly flat, which even if it is as level as you can get it, will cause the distance to the nozzle to vary. Newer printers are "self-leveling". They don't actually level the bed. They probe the bed and map the surface, then they actively control the nozzle distance by using the map. I have seen this same technique used on multimillion dollar water jet cutting machines for steel plate, welding robots, etc.

No ink scam – Unlike inkjet printers, the 3D printing material (filament) is available from many sources and is mostly standardized. A \$20 spool is enough to print lots and lots of things.

Make it your own – There are many repositories where people share their 3D designs for anyone to download and print for free. One of the most popular is the Thingiverse. These sites contain thousands of designs for a wide variety of things. It can be art, toys, or useful devices. However, to put your creativity to work and truly make your work your own, take the time to learn how to design objects in 3D. It is not

that difficult, even if you have no prior design knowledge. Many fellow hams have done it. Many use free software such as TinkerCAD. There are lots of YouTube instructional videos. As a hobbyist you can also use a free version of Fusion 360 which is a high end software that costs thousands to buy. I use it since I have some previous experience with 3D CAD software, but I only use a tiny fraction of its capabilities.

Slice it up – Most CAD design software will output a 3D file as a .stl file, and files you download from repositories will likely also be .stl files. This file has to be sliced into layers for your printer to use it. Your printer will likely come with a "slicer" program, or there are free slicers available such as CURA. The slicer also adds information such as the print speed temperatures to use. The output of the slicer will be a gcode file with specific information for your printer. Gcode is a standard set of commands that CNC machine tools use. It sounds like a long process but once you understand the work flow it takes seconds.

So why is my new \$200 printer not perfect? So far I have no problems with adhesion or release from the bed. It was printing 30 minutes after I opened the box. It is quieter, much faster, and easier to use than my former one. The one flaw I have found is the vertical axis is not perfectly square with the print bed. This will only be a problem in tall prints that require something to be square with the bed, and in a few other special cases.



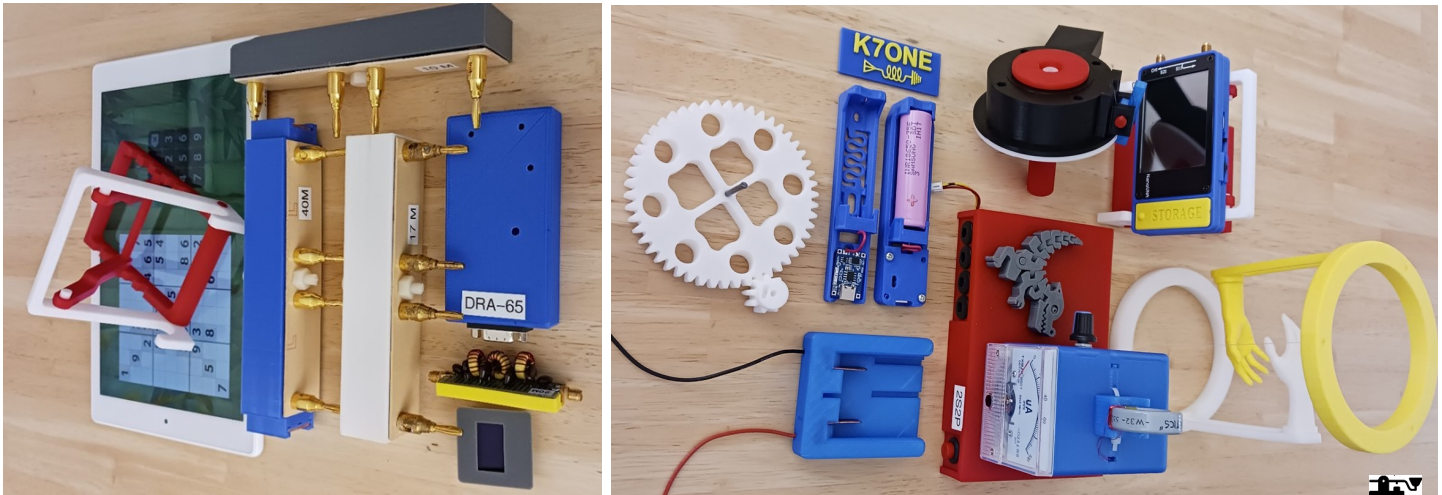
For the price and other improvements, I will live with it. What I got is a Crealty Ender3 -V3-SE. If you have questions, just ask a fellow 3D HAM!

From the whimsical to prototypes to practical daily use items - there's no telling what you'll see at a club breakfast.

**73, Tom, K7ONE**

*More photos >>>*

## 3 D PRINTER PRODUCTS BY TOM, K7ONE



## Copper in the Sky, or, How I came to be a Life Member of TARC

*by Jim Shortill, KJ4NDO*

It all started with a Philco floor model radio that my parents put in our bedroom because they just didn't have any other place to put it, and it was too good to throw out. The Philco had a number of pre-set push-buttons for the local Portland Maine radio stations and frequency dials for other stations listed under the heading of Short Wave.

My twin brother and I were in the 8th grade when this radio was put in our room. Consequently, we pushed every button and twirled all of the dials to see what would happen. We could hear our local stations loud and clear. Everything else lived in the land of static. Pushing buttons to get local stations became boring. But every once and a while, as we twisted the short wave radio dials, we heard voices from far away, very faint; and music and an announcer speaking in German. We learned to turn the dial very slowly so we didn't blast past faint stations.

We were at the supper table one night and Mom asked how we liked having a radio in our bedroom. It was OK we replied, but we couldn't get too many stations except the local ones. Our father, a carpenter, did not say a word. I think he knew that there was a



**Jim, KJ4NDO receiving his Life Member certificate from Steve, NS4P.**

home project drifting over the supper table. "Joe," she said (my father was named Joe), "Could we put up something like a car antenna to get that old radio to work better?" "Maybe this Saturday," he said, and went back to eating supper.

Saturday came and went. Dad went to work on Monday and my Mom reminded him about the antenna. She kissed him goodbye, as she usually did and got us off to school.

When Dad came back from work he had a large coil of dirty, green, moldy, twisted copper wire in his hand. My mother looked at this coil of filthy wire and ordered it to be put

out on the back porch.

Saturday morning came again and Joe and I waited around the kitchen. No baseball for us that morning. Dad finished breakfast and his review of the Portland Press Herald newspaper. Mom was cleaning the kitchen table and we saw her lingering smile at Dad, who smiled back. He looked at us and said, "Let's see what we can do with this antenna." The next thing he said to us was, "Calm down", as we were running around trying to be ever so helpful.

Dad, Joe, and I went into the bedroom, pulled the plug, and turned the Philco radio

>>>>>>>>>>

## Copper in the sky, continued

around. Dad looked at the back and said, "Hmmm." He picked up the edge of a nearby bed and secured one end of the wire under the bed leg. Then he lowered the top part of the bedroom window put some black tape on the antenna wire where it went through the window and tossed the remainder of the coil out on the porch. He had enough wire to run it all along the top part of the porch.

We stopped for lunch and Mom asked if anybody from the street could see the antenna. Ever the loquacious guy, my Dad said, "Nope." After lunch we stopped work, went to the grocery store and drove out to the family farm to visit Grand-pop and Grand-mom.

After supper that night, we asked if we could plug in the radio to listen to the "Green Hornet" and "The Shadow Knows," and the "Lone Ranger." As we were going to bed Mom came in to give us a kiss. She noticed the Philco was turned away from the wall and asked Dad to turn it around and put it back against the wall. It was the floor model with a fine wood cabinet and twelve-inch double speakers. Just before he

put the radio up against the wall, he connected the antenna wire to the radio, almost as an afterthought. They turned out the lights and left.

In the silence of the night the temptation grew to see what effect the antenna would have. Joe and I waited for the house to get quiet. We eased out of bed and turned on the radio. We twisted the short wave dials. From thousands of miles away through the atmosphere and a millions stars, as clear as could be, came the sounds of a deep sounding bell striking the hour and the dulcet tones of a station announcer with precise articulation: "This is London calling." We spent an hour listening to the World and we were amazed that we could hear Africa, Iceland, Germany, England and other stations, all received in a small coastal town in Maine.

And, right then, we were converted to the siren song of stations located in faraway places with strange sounding names. And still are.

**All of this from a piece of copper wire.**



## TARC Has a Tool Crib

One of the benefits of belonging to a good club is that you can borrow items of not so common and sometimes expensive gear that you may only need to use once or twice in a lifetime. Do you want to explore HF operation or see if POTA is for you? Well, why not borrow what you need from the club and try it out.

And, askelmer@tamiamiarc.org is always available to help with any questions you may have. Recently, we have added three really nice items that are available for loan:

- 1) an IOTA 40-10 portable antenna ideal for POTA or the backyard use donated by Tom K7ONE (<https://tamiamiarc.org/the-iota-i-antenna/>);
- 2) an ARRL kit EFHW 40-10 portable wire antenna built by club members; and
- 3) a complete portable RFI detector system for 1.8 - 50 MHz interfer-

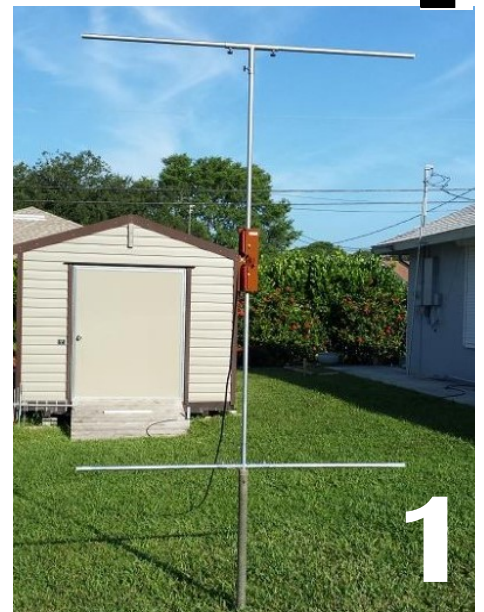
ence detection and location finding. We now have a portable SDR radio and the National RF Type HF Noise Location Package ([http://www.nationalrf.com/noise\\_location.htm](http://www.nationalrf.com/noise_location.htm)). You can read the July 2023 QST article on this at <https://tamiamiarc.org/tarc/wp-content/uploads/nationalrf-DFKIT.pdf>.



# 3

Other items available for loan include HF radios, antennas, antenna analyzers, and many other cool

ham radio things. Check out the complete list of equipment available for loan on our website at <https://tamiamiarc.org/tarc-tool-crib/>. Questions about equipment loans should be directed to Richard KK4AHZ by email to [quartermaster@tamiamiarc.org](mailto:quartermaster@tamiamiarc.org).



# 1

*by Paul, KN4BAR*



# ~ February, 2024 ~

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			~ See Groups IO for ZOOM sign-on	1 * 2 meter net 7:30 PM	2  Breakfast @ Perkins 9A	3 Breakfast @ DAV 9:30 A  BOD 1P
4	5 QCWA 11 AM @ Denny's Bee Ridge	6 Breakfast @ Peaches 6 - 7 AM # DMR net 7:30 PM	7 ~ Virtual brunch via ZOOM 11 AM + 10 meter net 7:30 PM	8 * 2 meter net 7:30 PM	9 Breakfast @ Perkins 9A	10 B'fast @ DAV 9:30  Bus to Orlando HamCation
11	12 DARN net 11:00 AM Starts on NI4CE/rpt 145.43 pl100	13 Breakfast @ Peaches 6 - 7 AM # DMR net 7:30 PM	14 ~ Virtual brunch  TARC MTG 6:30 PM @ Venice Presbyterian Church	15 * 2 meter net 7:30 PM	16 Breakfast @ Perkins 9A	17 B'fast @ DAV 9:30  TARC VE session @ Venice Library 10 A
18	19	20 Breakfast @ Peaches 6 - 7 AM # DMR net 7:30 PM	21 ~ Virtual brunch via ZOOM 11 AM + 10 meter net 7:30 PM	22 * 2 meter net 7:30 PM	23 Breakfast @ Perkins 9A	24 Breakfast @ DAV 9:30 A
25	26	27 Breakfast @ Peaches 6 - 7 AM # DMR net 7:30 PM	28 ~ Virtual brunch via ZOOM 11 AM + 10 meter net 7:30 PM	29 * 2 meter net 7:30 PM		

# DMR net on W4AC UHF repeater - 444.10 MHz - Talk Group 310442  
 \* 2 meter net on W4AC VHF repeater - 146.805 MHz, (-), PL 100 or W4AC-R EchoLink  
 + 10 meter net on 28.460 MHz +/- 10 MHz (depending on band activity) immediately following 2-M net.

**THE COMMUNICATOR** is a publication of the Tamiami Amateur Radio Club (TARC). It is published monthly; except during the summer months, the July and August issues will be combined. The Communicator is forwarded to all members via e-mail, and is available for viewing on the club's web site - [www.tamiamiarc.org](http://www.tamiamiarc.org) - Webmaster - Paul Nienaber, KN4BAR.

Editor - San Yoder, K3SY, who acknowledges and thanks these contributing writers this month: Paul Nienaber, KN4BAR, Art Wester, K4NUM, Tony DiCenzo, KX1G, Tom, K7ONE, Frank Wroblewski, W2XYZ, Tom Porada, W4IEE, and Jim Shortill, KJ4NDO.

Articles of general interest to club members are solicited and welcomed. Please submit photos and/or copy (preferably in Word) to : [k3sy@arrl.net](mailto:k3sy@arrl.net). 73, San

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