



THE COMMUNICATOR



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

W4AC Repeaters: 444.100 MHz (DMR) & 146.805 MHz (-) (PL100Analog)

Incorporated 1984

<http://www.tamiamiarc.org>

October, 2022

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President's message.....NS4P

Well, that surely was a rough ride. I've heard from many of our club members about damages at their property due to Hurricane Ian. Most of us have suffered some loss to a greater or lesser extent and it's been gratifying to see people helping each other.



As far as the club itself goes, we suffered very little damage due to the hurricane itself. Both repeater antennas were bent by the wind, with the taller 2-meter antenna taking the worst of it. Both repeaters remained operational throughout the hurricane and the associated power outage, thanks to the generator donated to the club several years ago by Catholic Charities (the sponsors of the DARN Net). We did lose EchoLink and DMR Internet connectivity due to loss in Internet service. It was very comforting to hear friendly voices over the radio while sitting in the dark with no power, water, or Internet. Additionally, through the magic of WinLink and VARA-FM, several of our members were able to send out emails on behalf of themselves and neighbors. My new solar/battery box got quite a shakedown cruise!

Unfortunately, the club did suffer some minor losses not directly related to the hurricane. Some unidentified ne'er-do-wells took advantage of some security vulnerabilities at repeater site and were able to gain access to the radio room. They did not take any radio gear but did manage to walk off with the EchoLink server laptop, some computer networking equipment, and a very nice extension cord for the generator. The generator, which is what they were probably after, was securely locked to the building structure and remained safe along with the propane tank. Yes, the building owner did have a webcam looking at the door, but they stole that too. Security at the site has been significantly upgraded and we don't expect a repeat episode.

The laptop computer is insured, as are the repeater antennas and we will be making a claim for the loss. The break-in / theft was reported to the Sarasota County Sheriff's office and a Detective is working the case.

At some point we will purchase a new computer for the repeater site, but in the short term we will be using borrowed equipment. We were able to find a very nice access point/router in our inventory of donated equipment. Configuration of the equipment is in progress, and we hope to have EchoLink service available soon dependent on restoration of Internet service at the site.

All in all, the club gear did OK. I hope that all of you reading this fared as well. Full recovery from this will take years, but together we will pull through.

Thanks & 73, Steve

Next Issue
Report on Ham Radio Response to Ian

October meeting cancelled due to hurricane damage at Venice Presbyterian Church Fellowship Hall, 825 The Rialto, Venice, 34285

TAMIAMI AMATEUR RADIO CLUB *Minutes of the 09/14/22 Meeting*

Note, Elmer assistance meeting has been planned to occur at 6 pm for information and mentoring of interested ham radio operators.

Meeting was called to order at 7:00 pm

Flag Salute took place

Introductions:

Visitors: Paul Toth, NB9X, of Seminole, Fla., bringing this evening's program,

Mike Treni, of Venice

New members: Alex Gan, KQ4DFG and Doug Fidler, KC0DMG

Remaining Introductions - Introductions from all remaining people

SECRETARY'S REPORT: Steve Phillips, NS4P -- The motion to accept the minutes of the June 8, 2022 meeting as published in The Communicator was made by Patti Phillips, N4IGI and was seconded by Steve Froggatt, KN4NFX. The motion was unanimously passed by voice vote.

CORRESPONDENCE: Gary Youngberg, W8SKI

None reported

TREASURER'S REPORT: Frank Wroblewski, W2XYZ -- Presented a summary of the Club's finances from June through the end of August and provided highlights of the Club's activity during the summer. The motion to accept the Treasurer's Report was made by Randy Aitken, KO4PIV and was seconded by Nancy Heinrich, N4ZM. The motion was unanimously passed by voice vote.

COMMITTEE REPORTS:

SUNSHINE: Jim Shortill, KJ4NDO

Requesting from the club members any information on Jesse Snyder, KW4IT

VE TESTING: Steve Phillips, NS4P

Testing was given to ten candidates on Saturday, September 10 at the Wm. H. Jervey Library. All candidates passed, with the results there were six Technician's Class and four General Class licenses earned.

LIAISON TO QCWA: Nancy Heinrich, N4ZM reported QCWA meetings will resume from summer break on October 3rd, next program, Skywarn. Dues are \$5.00 / year. QCWA meets on the first Monday,

11am at Denny's restaurant on Bee Ridge. Hams licensed 25 years ago qualify for QCWA membership.

REPEATER / TECHNICAL: Frank Wroblewski, W2XYZ

Reporting that VHF and UHF repeaters working. Reminded members about the weekly 440 DMR, 2M analog and 10M SSB nets (as listed on the club website).

During a recent 10M net we had a check-in from Arizona. Keith, KR7RK was on a mountaintop running 10W into a wire antenna, 5/9 quality.

MEMBERSHIP: Steve Phillips, NS4P

Membership stands at 121, which include 2 associate members, 9 first-year members, 11 life members. Five new members have joined since July.

OLD BUSINESS:

1. Repeater Maintenance Committee; Steve Phillips, NS4P

Gave report that fuse holders for the 2M repeater needed replacement due to melt problem. The fuse holders were replaced with an improved design. Anderson PowerPole connectors were added to several power leads to make maintenance easier.

EchoLink repeater problem was solved by reconfiguring the audio codecs. The outage was unexpectedly triggered by a Windows 11 update. Additional adjustments made during the troubleshooting process improved the audio quality of the EchoLink.

2. Remote Station Update; Steve Phillips, NS4P

The new vertical antenna is expected to be installed this fall.

3. Jerry Spears Memorial Update; Frank Wroblewski W2XYZ – New Auto Tuner,

LDG AT1000 Pro II. \$700 was raised from Jerry's donated equipment. The tuner was purchased from DX Engineering for \$489.00 (No Tax) and it arrived two days before Field Day this past June.

4. Public storage rental space; Frank Wroblewski W2XYZ

TARC is still looking for storage space for tents, poles, antennas, the banner, cables and coax and other club property not including radios or electronics. Discussion mentioned the

Continued >>>>

TARC Minutes, continued

setup placement of a utility shed possibly at the repeater site. The club is concerned at the high cost of commercial / public storage.

5. Field Day, June 24 - June 26 Followup: Frank Wroblewski, W2XYZ,

This year's Field Day was an enjoyable one with good WX and little wind. Propagation not exceptional, maybe due to solar storms.

TARC operators made 1830 QSO's achieving a score of 3570 points. This is fewer QSOs than last year but a higher score due to the Low Power bonus. The event had good local news coverage, thanks to Dwight Sullivan, KT4DDS.

6. Holiday Party, Patti Phillips, N4IGI

The date for the Holiday Party has been set for Thursday, December 8, 6 pm at Left Coast Seafood. Dinner will be served at 7 pm. Special thank you goes out to Tom Zirolli N2UD and his XYL MJ for helping with menu selection. Meal options are prime rib, salmon rockefeller, chicken, and vegetable stir-fry. Exact meal cost has not been set yet, but will be available soon. There will be an upcharge for prime rib as beef prices have increased.

7. Youth In Ham Radio, Patti Philips, N4IGI

Patti attended the Huntsville, Ala. Hamfest and saw the ARRL's Educational Director. Mentioned available training materials for middle school age students and available resources in promoting Ham Radio in the educational experience. Some discussion on reaching students of local middle schools here.

NEW BUSINESS:

1. 2023 Budget Workshop-- Frank Wroblewski W2XYZ

Workshop to establish budget for 2023 will take place via Zoom on 9/29/2022 at 1:00 pm and it is open to all members.

2. New Member Welcome Section, Steve Phillips NS4P

A suggestion from Paul, KN4BAR resulted in plan to list new members monthly in The Communicator. This will contain help and information for those who have passed license exams as well as anyone interested in Ham Radio.

3. Lifetime Membership for Jon Cole, KO4ODO by Steve Phillips, NS4P

Jon Cole has for many years provided TARC with tower space as well as room for our repeater operation. This included electric power and an air-conditioned environment for our repeater operations. In view of his generosity, the BOD requests a Motion to change Jon's member status from Complimentary to Lifetime Member. The Motion was made by John Abuchon KN4PHQ and was seconded by Nancy Heinrich N4ZM. The Motion was passed by unanimous voice vote.

4. Area Hamfests; MARCI 10/15 & SERC 11/5, by Steve Phillips NS4P

Information shared on the two above hamfests and the 57th Melbourne FI Hamfest on October 7 and 8th. Paul, KN4BAR has further information.

5. QRP Rig and Antenna Expo Nov. 12 at noon - Tom Babcock; K7ONE

This event will take place at the USCG Auxiliary Station on South Harbor Drive. Meters and other test equipment will be on hand to measure the health and tuning of your antenna. This is an opportunity to Show and Tell your low power rigs.

6. Silent Key Plaque - Jim Shortill KJ4NDO showed the newly restored Silent Key Plaque, and explained some of the special members legacies.

ADJOURNMENT: Motion by Tom Babcock, K7ONE, Seconded by Nancy Heinrich

N4ZM and was passed. Time of motion 7:55 PM

Respectfully submitted, Gary Youngberg, W8SKI, Recording Secretary

50-50 DRAWING: Winner Tom Babcock K7ONE Amount \$ 27.00, donated to the Club

Attendance: Number of members 27, Number of guests 2

Tonight's Program; NXDN Digital Radio by Paul Toth, NB9X

Meeting program schedule

October 12 - Cancelled

November 09 - Den Speis - W2DEN:

Knots for Hams

December 14 - No program

January 11, 2023 - Open



Transitions

Time marches on! Last month Jack, W4JS requested a poll of readers to indicate their interest in continuation of his DX report. The result was underwhelming. He received only four responses, telling him the significant amount of work required to develop the page each month was not a good investment of his time. Hence—no more DX Jack page.

Here is Jack's email to me announcing his decision:

Hi San,

I can get emotional just looking at photos of the iconic "End of the Trail" statue and I'm sure I would shed tears if I viewed it in person at the Shaler Park in Waupun, Wisconsin. The exhausted Indian brave, his trusty mount and his lance are all bowed down, signifying "the end"

[https://en.wikipedia.org/wiki/End_of_the_Trail_\(Fraser\)#/media/File:End_of_the_Trail_\(Wisconsin\)_September_2013_02.jpg](https://en.wikipedia.org/wiki/End_of_the_Trail_(Fraser)#/media/File:End_of_the_Trail_(Wisconsin)_September_2013_02.jpg)..

And so, it appears, is the fate of the DX page which I have prepared for over 20 years for the EARS (until 2001) and TARC newsletters. In response to my query to the TARC members regarding interest in HF DX and the DX page, I anticipated perhaps 10-12 replies. In reality, I received four (4) replies. Obviously the page has come to the end of the trail.

To me, this is indicative of ham radio (and social norms) in the USA. The old cherished ways are gone as the majority seeks instant gratification at the push of a button. What this will lead to is anybody's guess.

Y'all take care es VY 73,

Jack-W4JS



< Jon Cole, KO4ODO, named Life Member

Jon is the owner of the tower where TARC's W4AC repeater antennas are located. Jon has donated space on the tower and a room at the base for equipment for 20 plus years. He has held a complimentary membership during that time.

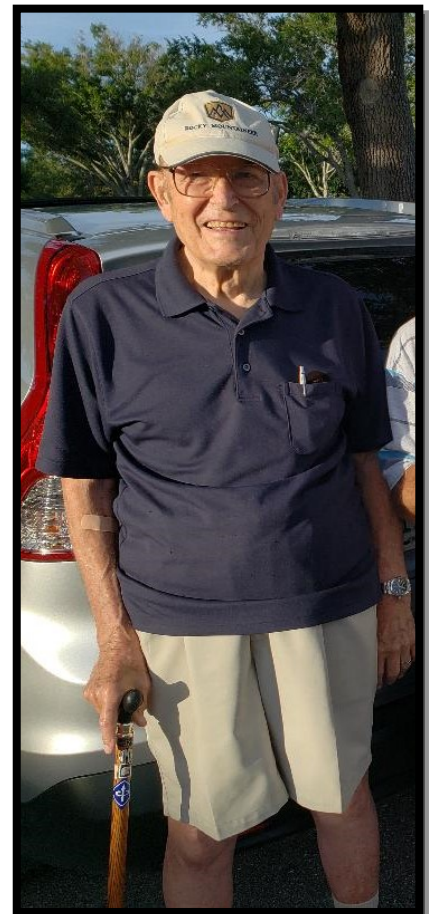
Recently licensed as KO4ODO, TARC members have voted to recognize Jon's outstanding contribution to the club with Life Member status.

Pictured at left is Jon observing last year's work on the tower.

Life member, Jim Murdock, KG4KOT, Silent Key >

Frank Wroblewski, W2XYZ, reported this news via email on September 19, 2022: "I sadly report the passing on one of our Life Members, Jim Murdock, KG4KOT. His passing was announced at church yesterday. More details are currently unavailable."

Jim was a regular at breakfast for many years.

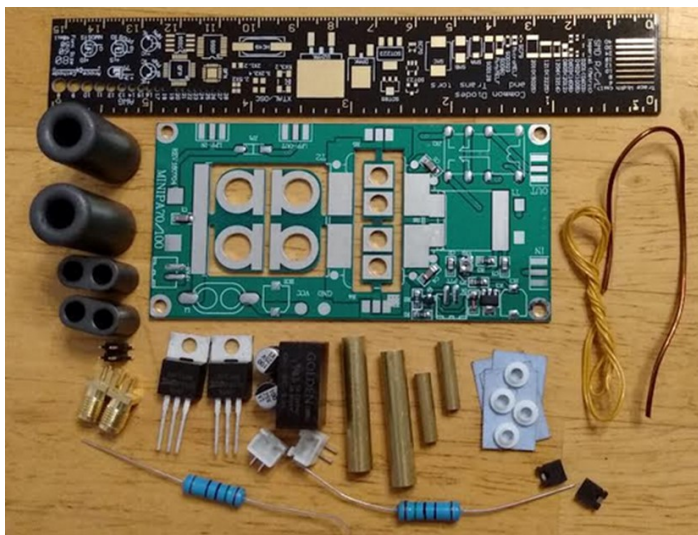


An HF Amp for \$23 in tuition

by Tom, K7ONE

The heat of late July prompted my search for an indoor project. That led me to eBay where a “70W SSB linear HF amplifier kit” was discovered. I learned long ago that before buying such a kit it’s a good idea to find the instructions and any documentation first. When you see a bunch of kits like this sold, there is a good chance someone who took the risk before you will post information or a YouTube video. In this case I found an excellent build video with links to documentation and websites of other brave individuals. (Link below)

The kit is found in two versions. One has the SMD components preinstalled and the other leaves that task to you. I paid a couple dollars more and got the one with preinstalled SMD’s. It’s a good thing I looked for documentation because what you see is what I got (minus the ruler for scale). Not one scrap of paper or link to anything.

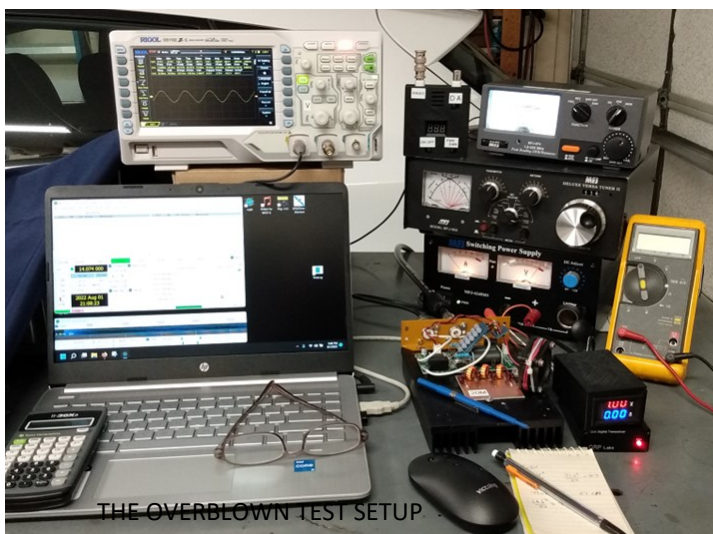


The AMP went together fairly easily following the video and schematic. I mounted it in a box from an old UHF AMP collected at a hamfest for a couple dollars. It has an enormous heat sink and ample room for filters. No low pass filters were supplied with the kit. Fortunately I learned a lot about filters when I made the low power WSPR transmitter (January 2022 TARC Communicator). I had the toroids and capacitors so I made a filter for 20M since I will likely use this AMP with the QDX (July 2022 TARC Communicator) in the park. Power out of the QDX can be reduced to about 2W by running it at 7 volts. 2W is more than enough on the input of the AMP. One resistor is not supplied with the kit. Its purpose is to

tweak the SWR that the transmitter sees.

A challenge presented itself when working out the PTT signal to the AMP from the QDX. The amp wants a 12V pin switched to ground to transmit. The QDX wants to supply a 5V signal to initiate transmit. This was easily solved with an optocoupler and one resistor. Complete isolation, and each can live happily ever after (fingers crossed).

Let the testing and real learning begin!



Proceeding very cautiously (as a mechanical engineer dealing with invisible electrons that bite), the test bench was assembled and it was all powered up. Thanks to KG4IYS for use of a decent power meter. First tests showed I was making 27 Watts, not the 70 advertised. Not uncommon for cheap kits, but I felt there was more learning to be had. I was not very familiar with the concept of bias voltage in amplifiers so I spent a few hours schooling myself on the topic, and reading the build/adjustment instructions for some decently documented kits (i.e. QRP Labs). There is a microscopic potentiometer on the board for adjusting bias voltage. I had adjusted it to 2.7V when building the kit as per the build video. A very small tweak to the pot brought the power right up 70W, even as high as 95W for a couple seconds! Woe. I will be happy with 50W, so the correction was made.

Then it was time to pay some more tuition... It turns out the power output varies a lot with frequency. My initial adjustments were made with a 7MHz signal. With this bias setting, at 14MHz it only output about 37W. While adjusting it for 50W at

Continued >>

HF Ampcontinued

14MHz I heard a slight POP and power dropped to nothing. L One of the output transistors failed and shorted all three leads. This caused a small trace on the board to burn up. Thus the POP. Repairs were made and it came back to life. J The final adjustment left me with about a 35W AMP for 14MHz. Better than nothing. Better than smoke.



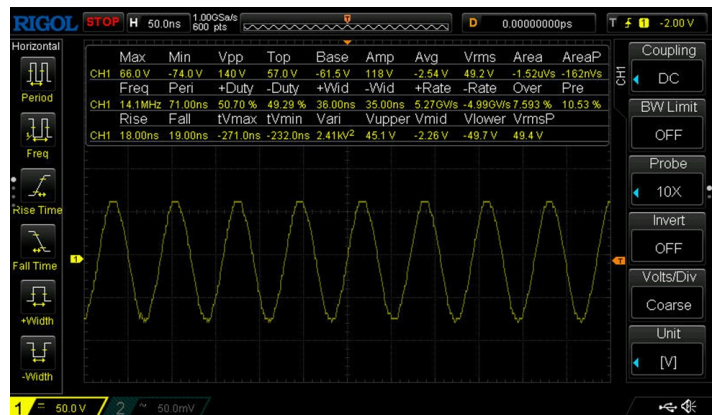
Amp and filter exposed for final tweaking and testing


I am happy with all the education I got for such a little bit of tuition, and I will try out this AMP with the QDX next time I go to a park. I do not recommend this kit unless you want to use it as a learning experience like I did. The feedback resistors get very hot, but my main complaint is the layout of the circuit board. Mounting the power transistors requires laying the leads over other traces so they are only insulated by the solder mask. The traces are too small in some areas and the attachment area for the main power

leads is inadequate. I had fun anyway!

Even with my negative recommendation, it does work well. I ran it connected to a home brew EFHW 20M antenna using FT4 (50% duty cycle) non-stop for 45 minutes with no problem. The most distant contact was Saudi Arabia! There is a certain enjoyment and sense of accomplishment operating a complete rig you assembled yourself.

https://www.youtube.com/watch?v=JgiaklxMjfl&ab_channel=NA5Y



Push one button and get 29 measurements of the waveform! Every time I turn on that digital O-scope I learn something new. It showed a pretty clean sine wave out of the amp and I learned how to measure the output power using the scope. I feel sorry for my undersized dummy load, but it survived. 

The “Goony Box”

by San, K3SY

Along about 1979 when your editor was living in the Allentown, PA area, and was a member of the Lehigh Valley Amateur Radio Club (W3OI), the Lehigh County Civil Defense organization distributed a number of Gonset “Goony Boxes” to members of the LVARC, presumably for use in emergency situations.

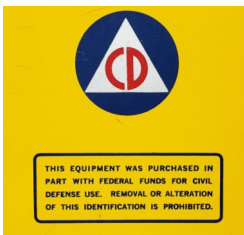
By that time every ham had their own two-meter mobile equipment far better suited to emergency applications, and were willing to step in with their rigs when needed.

With the box pictured here I made a grand total of one contact on six-meter AM. I set up a sched with my Elmer, K3UC, and was able to have a single QSO, Then the box was relegated to my garage attic. There is sat for the next forty some years until I retrieved it on my latest trip north. (My son, Dale, KC3GVD, now owns that house.)



For those of you who never saw the Goony Box in person, it will be on display at the next TARC meeting, after which it will be donated to Al, K0AL, for his TLC and a place of honor among his vast collection of GORs (grand old radios).

What made the Goony Box special? Check Wikipedia for more info.



The unit I acquired never saw emergency use, nor would it have been the best solution for communica-

Ian the Demon!

Apologies for a late Communicator. Your editor returned Monday 9/26 from a five week trek north to visit family and friends, only to be welcomed Wednesday by unwelcome guest Ian, who left us with no power, cell service, internet or TV. Power was restored one week later at my home. Internet and TV days later. Fortunately much of the newsletter was prepared on the road. Here are a few photos of the aftermath just within the Venetian falls community. Others may have fared much worse.

If you have a story of your ham related activities, photos of your antenna woes, etc., I welcome their submission for the November issue. de San, K3SY



FLORIDA HAMFESTS



Fall Hamfest on Oct. 8th, 2022 at the Millenium Academy, 10005 Ridge Rd. New Port Richey, Fl. 34654.

(Masks not required by bring one just in case)

Tailgaters at 6 a.m. Public comes in at 8 a.m. and there is a \$5.00 donation.

Talk-in on 146.670 (PL 146.2)

Testing at 10:00 a.m. Contact AI at aj4ja@icloud.com to get on the list.

There will be prizes!



Manatee Amateur Radio Club 2nd Annual MARCIFEST

Saturday Oct. 15th, 2022
8:00am – 1:00pm

Bible Baptist Church

2113 57th St., E. Bradenton, FL 34208

General Admission **\$5.00**

Tailgating **\$5.00**
Setup 7:00am

Talk in 146.820- Repeater PL 100hz
Sponsored by MARCI * www.manatee-arc.org

VE Exams on site at 9:00am

Easy access from I-75
Exit #220 – Go west on State Rd 64 -
then left (south) on 57th St. E.
Exit #217— Go west on State Rd 70
Turn right (north) on Caruso Road
which Becomes 57th St. East or
(Morgan-Johnson Road) — 1.2 miles to Church



SERC

HAMFEST

Nov 5th, 2022

8:00AM - 1:00PM

ARRL Door Prizes

Coffee and Breakfast by Chick-fil-A

Admission \$5.00
Donation

Indoor Electric Hookup Available

Tailgate Spots \$5.00 Indoor Tables \$15.00

WCF Country
West Central Florida Section

Talk-In 146.730 -600
CTCSS 100hz

Where?

American Red Cross Campus
2001 Cantu Court
Sarasota, Florida

VFW Post 10000

NO RV'S OR LARGE TRAILERS SPACE IS LIMITED.

From the North on I-75 take exit 210 head west, keep to the left to Cattleman, turn left.
From the South on I-75 take exit 207, head west, keep to the right to Cattleman, turn right.
Look for the signs!

Keep Updated at www.n4ser.org

Questions? serchamfest@gmail.com

OUR NON-PROFIT ORGANIZATION IS REGISTERED WITH THE STATE OF FLORIDA; CH50303
A COPY OF THE OFFICIAL REGISTRATION AND FINANCIAL INFORMATION MAY BE OBTAINED FROM THE DIVISION OF CONSUMER SERVICES BY CALLING TOLL-FREE (800-435-7352) WITHIN THE STATE. REGISTRATION DOES NOT IMPLY ENDORSEMENT, APPROVAL, OR RECOMMENDATION BY THE STATE

The following persons have joined The Tamiami Amateur Radio Club during the last several months. We welcome them and look forward to seeing them at club meetings, events and breakfasts.

date_joined	membership_type	first_name	last_name	yl_om	call_sign
August 13, 2022	Member	Alan	Allen		KQ4BMV
August 13, 2022	Member	Doug	Fittler		KC0DMG
August 6, 2022	Member	Alex	Gan		KQ4DFG
August 29, 2022	Member	Kevin	Mahoney	Jeanne	KB3TDY
September 10, 2022	First Year	Tom	Potts		KO4DEP
September 10, 2022	First Year	Craig	Sires		KO4DEG
September 10, 2022	Member	Mark	Trepicone		KQ4CPP
October 6, 2022	Associate	David	Vazquez		WRUT919 (GMRS)
August 4, 2022	Member	Tom	Waters		KE4RXM

re·un·ion /rē'yōnyən /

by San, K3SY

a social gathering attended by members of a certain group of people who have not seen each other for some time

Wh at better way to describe a dinner gathering on September 6, 2022 in Allentown, PA when four hams and their XYLs met to talk over old times and discuss new aches and pains.

Pictured below: Front left, Stokely Benson, W3SB, (formerly WA3VQK), and XYL Sharon, - Rear left, XYL Barbara and Ed Vatz, (formerly K3VDU) - Right rear, Bob Gurniak, K3UC, and XYL Mercedes— Right front, XYL Alice, and San Yoder, K3SY.

“Back in the day”, we four, plus one or two others would regularly participate in contests, as may be noted by the certificates hanging on K3UC’s ham shack wall pictured at right.

Forty-four years ago Station K3UC plus K3SY, K3VDU, WA3VQK, and WB3EVL achieved First Place, Multioperator, Phone, Eastern Pennsylvania in the 1978 ARRL November Sweepstakes.

AND

K3UC plus AD3F, K3SY, K3VDU, WA3VQK, and WB3EVL achieved First Place, Multioperator, CW in the 1978 ARRL November Sweepstakes.

We are now much older, retired, pursuing other interests, and wondering how we ever had so much time to spend on ham radio contests.

K3UC, (my Elmer) has retained his long-time station location and antennas.

W3SB has moved to an HOA situation and is fighting antenna

battles.

K3VDU has exchanged ham radio for photography and is no longer licensed.

K3SY moved to Venice, FL, no longer volunteers to climb K3UC’s 70 foot tower, and continues to dabble in ham radio.

End of story. 73, K3SY



ATTENTION CROSSWORD FANS!

If you are a dedicated crossword fan, you may have worked the NY Times or the LA times crosswords in the newspapers. They routinely have obscure clues that make perfect sense after you solve them.

Here is a puzzle with intentionally difficult clues which should make sense to a ham, but probably to no one else. Answer next month.

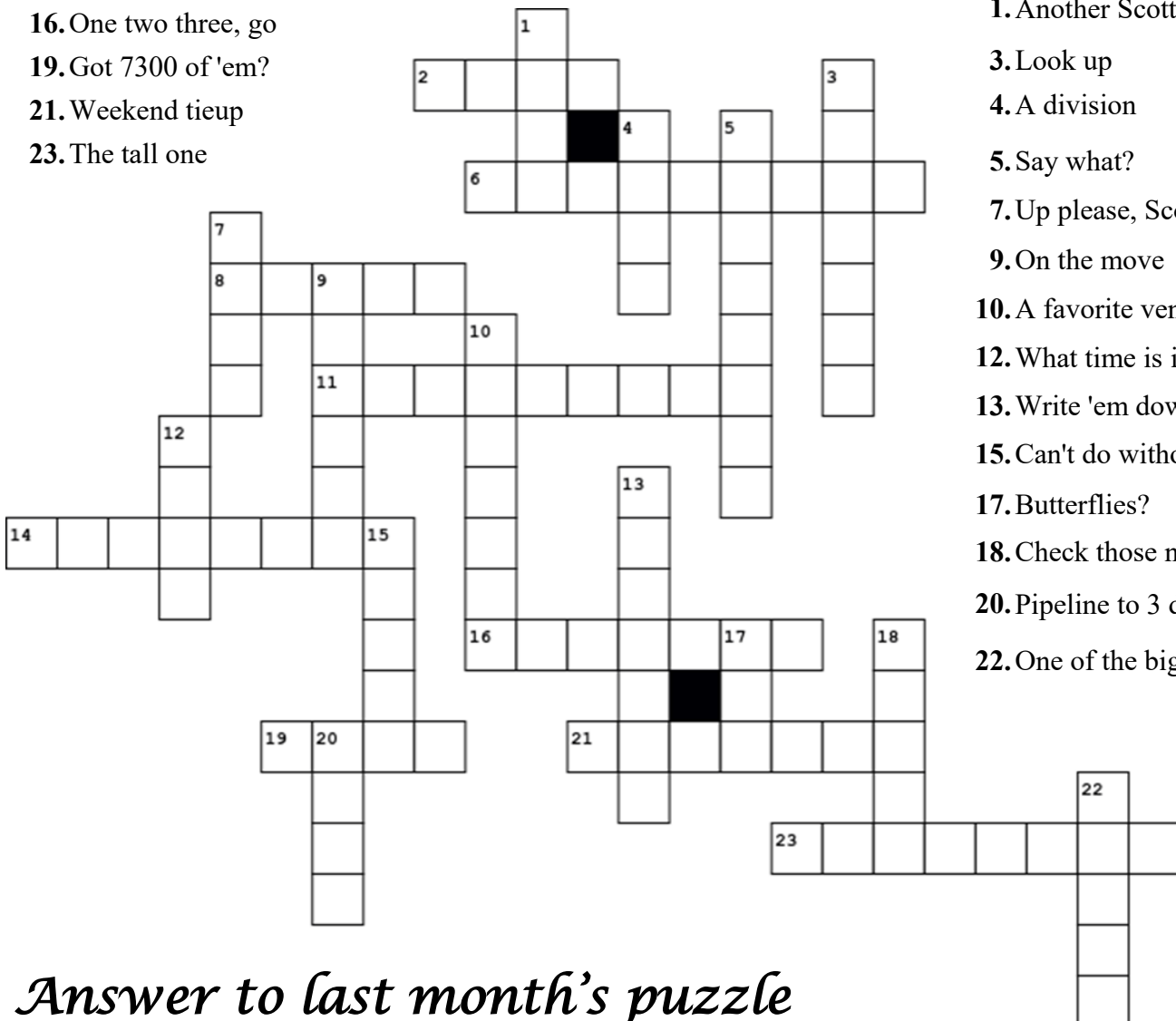
Across

- 2. A square one
- 6. big pain
- 8. Best bud
- 11. Where much discussion takes place
- 14. Twice as nice
- 16. One two three, go
- 19. Got 7300 of 'em?
- 21. Weekend tieup
- 23. The tall one

A HAM-HANDED CROSSWORD

Down

- 1. Another Scotty tool
- 3. Look up
- 4. A division
- 5. Say what?
- 7. Up please, Scotty
- 9. On the move
- 10. A favorite venue
- 12. What time is it?
- 13. Write 'em down
- 15. Can't do without it
- 17. Butterflies?
- 18. Check those numbers
- 20. Pipeline to 3 down
- 22. One of the big three








Answer to last month's puzzle

Zone, Tuner, Beam, Quad, Zulu, Net, Hertz



~ October, 2022 ~

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2	3	4 = Breakfast at Peaches (opens at 6, orders taken at 7) →  # DMR net 7:30 PM	5 ~ Virtual breakfast via ZOOM 10 AM	6 * 2 meter net 7:30 PM followed by + 10 meter net	7 Breakfast @ Perkins 9A	8 Bkfst @ DAV 9:30 TARC VE session @ Venice Library 10 A BOD 1P
9	10	11  # DMR net 7:30 PM	12 ~ Virtual breakfast TARC CANCELLED MTG 7:00 PM	13 * 2 meter net 7:30 PM followed by + 10 meter net	14 Breakfast @ Perkins 9A	15 Breakfast @ DAV 9:30 A
16	17 DARN net 11:00 AM Starts on NI4CE/rpt 145.43 p1100	18  # DMR net 7:30 PM	19 ~ Virtual breakfast via ZOOM 10 AM	20 * 2 meter net 7:30 PM followed by + 10 meter net	21 Breakfast @ Perkins 9A	22 Breakfast @ DAV 9:30 A
23	24	25  # DMR net 7:30 PM	26 ~ Virtual breakfast via ZOOM 10 AM	27 * 2 meter net 7:30 PM followed by + 10 meter net	28 Breakfast @ Perkins 9A	29 Breakfast @ DAV 9:30 A
30	31 		~ See Groups.io for ZOOM sign-on			

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 - Webmaster - Paul Nienaber, KN4BAR.

Editor - San Yoder, K3SY, who acknowledges and thanks these contributing writers this month: Steve Phillips, NS4P, Gary Youngberg, W8SKI, Jack Sproat, W4JS, and Tom Babcock, KN4ONE.

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

2022 TARC officers:

President
 Steve Phillips NS4P
sphillips3@gmail.com
 Vice president
 Paul Nienaber KN4BAR
paul9aber@gmail.com
 Secretary
 Gary Youngberg W8SKI
secretary@tamiamiarc.org
 Treasurer
 Frank Wroblewski W2XYZ
w2xyz@arrl.net

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Peter Boers	KV4LR	peterboers@ieee.org
Patti Phillips	N4IGI	pat.phillips3@gmail.com
Jim Shortill	KJ4NDO	jnmnshortill@netscape.net
Tom Shrilla	W8QJF	tshrilla@gmail.com
Dwight Sullivan	KT4DDS	dwrightsull@gmail.com
San Yoder	K3SY	k3sy.73@verizon.net
John Zenner	N3PQD	johnzenner@att.net

NAME _____ Call Sign _____ Class _____ ARRL ? Yes ___ No ___

2nd Fam. Memb. [or YL/OM] _____ Call Sign _____ Class _____ ARRL ? Yes ___ No ___

LOCAL ADDRESS _____ CITY _____ ZIP _____

PHONE _____ CELL _____ e-mail _____

SUMMER ADDRESS _____ CITY _____ STATE _____ ZIP _____

PHONE _____ ALT. e-mail _____

Application date _____ PAYMENT: Amount _____ by: Check ___ Cash ___ PayPal ___ First year free ___

For payments by mail send to:
 TAMIAMI AMATEUR RADIO CLUB, INC.
 PO Box 976
 Nokomis, FL 34274
 Web site www.tamiamiarc.org payments accepted via PayPal [Add \$1.00 convenience fee].

Dues:
 Regular member: \$20.00/year
 After 6/1 - \$10.00 to year end. After 10/31 \$20.00 thru next year.
 Family membership: \$25.00/year. Non-voting student: \$5.00/year.
 New licensee: tested by TARC VE 1/1 to 10/31 - free to year end.
 11/1 to 12/31 - free thru next year.

Please note: After two month grace period thru Feb., non-renewals will be dropped.

TARC web site: <http://www.tamiamiarc.org>

Contact: Secretary, Gary Youngberg, W8SKI - secretary@tamiamiarc.org

