



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>

May, 2020

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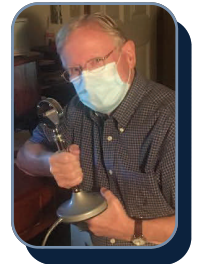
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President's message...KJ4NDO

Our main event in April was the very well organized Florida QSO Party on April 25th and 26th. Because of the Covid-19 virus, many of our members had to participate in this party from their home stations. We used our W4AC call and I can report that on Sunday afternoon on 20 meters at Al Culbert's (K0AL) station, we could not keep up with the contacts.



Innovation resolved some of the challenge of isolated stations. For example, when shifts ended, the operators going off shift would call the on shift team and relay the "hot" frequencies. Teams used the TARC 2-meter repeater for station to station coordination. Off shift team members arrived early and stayed over to log contacts, thus freeing the radio operator to focus on making contacts.

Yearly contact statistics confirm that our creativity works: in 2018 we made 659 contacts, in 2019 we made 1,017 contacts and in 2020 we made 2,842 QSO contacts. Each year we surpass our last year's target. Just recently the Florida Contest Group awarded us a plaque for 2019, for the High-Score-In-State Single-Transmitter Multi-Operator award. This year's event was a huge success for our club. Our thanks to our club event managers, Frank Wroblewski, W2XYZ, and Steve Hawley, K4EU. And special thanks to Al and Edith for their hospitality and the use of Al's station. To all who participated, thank you. It was great fun.

Our next regular monthly club meeting will be held Wednesday, May 13 at 7:00 PM, on our TARC 2-meter frequency, 146.805 MHz, (-) PL tone 100. Our meeting can also be heard on EchoLink using a computer, an iPhone or an Android system based phone. Click on W2XYZ-R (Node 571146) on the EchoLink directory screen to establish EchoLink contact.

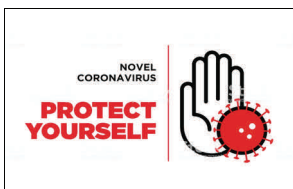
Statistics reveal that people over age 65 account for about 80% of Covid-19 deaths. I think the safest course for our club is to have our next meeting on the air. I hope that we will be able to re-establish our physical meetings in the USCGA classroom in June. We'll see.

We received permission from the US Coast Guard Auxiliary to hold our 2020 ARRL Summer Field Day event at the USCGA station on June 26, 27 and 28th, assuming social distancing is lifted and the Coast Guard relaxes Covid-19 restrictions. We will bring this event up for discussion and planning at the May and June Club meetings.

April showers bring May flowers and the joy that spring is coming. I hope everyone has an enjoyable May. Stay safe.

73s to all, Jim, KJ4NDO

Next Month
Repeaters
Repeaters
Repeaters



TARC virtual meeting scheduled for 7:00 PM, May 13, 2020

The meeting will be held on the TARC 2-meter repeater—146.805 MHz (-), PL100 hz.

TAMIAMI AMATEUR RADIO CLUB

Minutes of the 04/08/20 Meeting

For the first time in TARC history, our monthly club meeting was conducted on the 2-meter repeater. The meeting was called to order at 7:00 p.m. by president Shortill, KJ4NDO. Jim recited the pledge to the flag. Introductions were made by name and call sign for those that did not previously email the secretary that they will be participating.

MINUTES: Tom Porada, W4IEE, moved to accept the minutes of the March 11, 2020 meeting as published in The Communicator. The motion was seconded by Joe Shortill, W1XXV and approved by the membership.

CORRESPONDENCE: TARC received no correspondence since the last meeting.

TREASURER'S REPORT: Treasurer Frank Wroblewski's, W2XYZ, financial report indicated a beginning balance of \$4,730.61, receipts of \$329.00, expenses of \$94.27, and an ending balance for the month of March of \$4,965.34. Andy Durette, KB1HIP, moved to accept the club financial report forwarded to him for review. The motion was seconded by Ken Magill, KK4IGK, who was also forwarded a copy of the financial report. The report was approved by the membership.

SUNSHINE: Patti Phillips, N4IGI reported Joy Klapp, N2WUD, is moving back north. We would like to thank her for her many years of service to TARC and being in charge of the Sunshine Committee. If anyone is interested in taking over the Sunshine Committee, please email Patti Phillips at pat.phillips3@gmail.com.

VE TESTING: Steve Phillips, NS4P, reported that four candidates took exams at the March 14th VE Test session. Three candidates took and passed the technician exam and the fourth successfully upgraded from tech to general. With ARRL employees working from home due to the coronavirus epidemic, they are unable to process the incoming mail and the radio licenses and upgrade processing for these candidates have been delayed. The April VE test session has been cancelled. The next session is tentatively scheduled at the Venice Library on Saturday, May 9th.

LIAISON TO QCWA: Due to the COVID-19 pandemic, the QCWA luncheons are cancelled.

REPEATER / TECHNICAL: Frank Wroblewski, W2XYZ, reported that both the digital and analog repeaters were working well. The digital net is held on the club 444.100 DMR repeater using Talk Group Local 9. The club 2-meter analog repeater frequency is 146.805 MHz (-) PL 100. The digital net opens Tuesday at 7:30 PM. The 2 meter net opens Thursday at 7:30 PM. Hams can participate on this net via EchoLink using a computer, an iPhone or an Android system based phone. Click on W2XYZ-R (Node 571146) on the EchoLink directory screen to establish EchoLink contact. The 10 meter net is on frequency 28.450 MHz, upper side band, and begins immediately after the conclusion of the 2 meter net. The 10 meter frequency was chosen so novice/ technician licensees could participate.

MEMBERSHIP: Paul Nienaber, KN4BAR, reported that there are 94 regular members, 18 first year free members, 0 student members, 1 comp member, and 7 life members for a total of 120 members. There are 84 members that subscribe to Groups.io. Paul is asking everyone to email him at kn4bar@arrl.net and provide him with your ARRL membership status so he can update the club database.

OLD BUSINESS: 1. Fox Hunting. Paul Nienaber, KN4BAR, reported the March 23 fox hunt was cancelled due to the COVID-19 pandemic. At this time the foxes are hibernating, so no future fox hunting sessions have been scheduled.

2. FL QSO Party. Frank Wroblewski, W2XYZ, reported that the club recently received a plaque for coming in first place at the 2019 FL QSO Party. Ten members participated last year working from Al Culbert's, K0AL, cottage. The members earned over 250,000 points for making 1,027 contacts (265 CW contacts and 762 phone contacts).

This year the 20-hour event will be spread over two days beginning April 25 from noon to 10:00 p.m. and April 26 from 8:00 a.m. to 6:00 p.m. The logistics will be different this year for the club as we are permitted to work from our home QTH in Sarasota County. If

Continued >>>>>

Minutes, con't

you are interested two hour time slots will be available for you to work CW or phone. Additional information will be available on the TARC web site and Groups.io.

3. Rotating Net Control Operators for Digital and Analog Nets. Frank Wroblewski, W2XYZ, San Yoder, K3SY, and Steve Phillips, NS4P, have been the club's net controllers. They are looking for volunteers to run a net or two and they already have a script prepared. Please reach out to one of them and try being a net control operator.

4. Club Station Committee. Tom Shrilla, W8QJF, reported that he believes the club can use an existing dipole antenna at the club's repeater site and use one of the recently acquired IC-7300 radios for a remote station; however, we do not have complete control of the Internet access at the repeater site. Various solutions have been researched including Rig Pi, Kenwood software, Icom software, and RemoteTx software. More research is needed but currently Tom believes the RemoteTx is the best solution since there is no port forwarding but it may slow things down. Tom is hoping that his new Raspberry Pi arrives next week, and he will be able to do some testing.

NEW BUSINESS: 1. Donated Gear. Recently, Steve Phillips, NS4P, collected a trailer full of amateur radio equipment donated by the family of Lloyd Smith, WA9NLA (SK). Steve and others will be inventorying the equipment and determining what is in working condition. The equipment will be available for individual purchase by club members or to sell at hamfests in the future.

2. Board of Directors Meeting. The next Board of Directors meeting will be on April 18 at 1:00 p.m. via

video conference. Bring any critical subject to the attention of the President.

3. Morse Code Classes. Steve Hawley, K4EU, identified some of the opportunities available for people to learn Morse code. Every Tuesday morning at 11:00 on 7122 KHz there is a CW net to learn and practice Morse code. See topic in Groups.io for additional information on net protocol. In addition, on the TARC web site, under Elmer's Corner, there is a section entitled "CW – Morse Code".

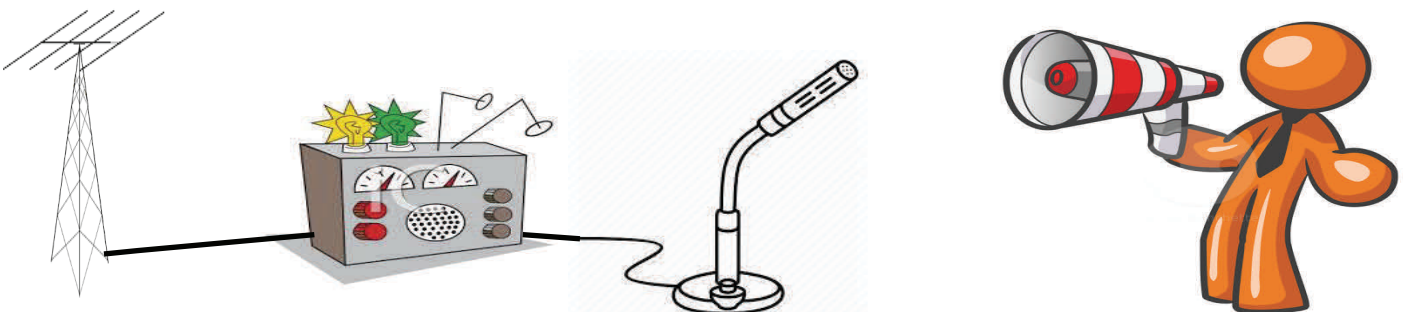
4. June 2020 Field Day. Jim Shortill, KJ4NDO, reminded everyone that Field Day is only a few months away. He encouraged all to think about Field Day technical issues, set up, and staffing. He reminded members since the club is using new IC 7300 transceivers now may be a good time to review the owner's manual and get familiar with the radio. At this time, it is unknown if the event will occur or if ARRL may embrace social distancing for the event.

5. Extra Class. Pat Milardo, K1BBZ, inquired if there will be an upcoming Extra Class study group. This topic will be added to the next Board of Directors meeting agenda.

6. Standardize Logs. With the FL QSO Party and Field Day coming up, it was mentioned that a standardized log for recording contacts would be beneficial to the club. This topic will also be added to the next Board of Directors meeting agenda.

ADJOURNMENT: The meeting adjourned at 7:52 PM. There were 36 members and 1 visitor on the air.

Program: Steve Phillips, NS4P, shared with the group the "Amateur Radio Newsline" after which Net Control signed off frequency 146.805 MHz and returned the frequency back to its normal use.



Tom practiced social distancing during the Florida QSO Party

DX Jack's page....

..... *By Jack Sproat, W4JS*



MAJOR CURRENT/UPCOMING DX ACTIVITY & PROPAGATION HIGHLIGHTS

CURRENT and/or SCHEDULED DX ACTIVITY

COUNTRY – CALL SIGN	ACTIVITY PERIOD	BEARING	HF BANDS and BEST OPENING TIMES (UTC)							
			80	40	30	20	17	15	12	10
Antarctica – 8J1RL by 2 JA ops, CW & Digi	01 May – Jan 21	158	NO	03-05	0700	1200	NO	NO	NO	NO
Tanzania – 5H3DX by NK8O, **	Now to ???	83	NO	0200	00-04	21-01	18-19	17-19	NO	NO
Mauritania – 5T5PA by PA5X, FT8	Now to ???	81	00-07	22-09	20-07	17-00	18-23	19-22	NO	NO
Somalia – 6O1OO by EP3CQ, CW/SB/FT8	Now to ???	66	NO	01-03	00-03	20-22	18-20	NO	NO	NO
Ghana – 9G5GS by IZ4YGS, ++, FT8	Now to 15 May	88	00-05	22-07	22-04	19-22	11-21	16-21	NO	NO
Samoa – 5W19STAYS SAFE by 5W1SA	01 May - ???	257	0800	05-12	04-13	01-10	18-04	18-03	00-02	NO
Lebanon – OD54SH & OD5STAYHOME	01 May - ???	47	0200	00-05	22-04	13-24	12-21	NO	NO	NO
Rep of Korea – D73M & HL40DGM, SE op	01 to 31 May	335	NO	NO	NO	13-15	23-01	NO	NO	NO
China – B0CRA & B9CRA, SE stations	01 to 07 May	345	NO	NO	NO	13-15	2400	NO	NO	NO
Maldives – 8Q7KB by DL2SBY, CW/SB/Dig	04 to 12 May	40/220	NO	NIL	01-02	0200	1600	0200	NO	NO
Guernsey- GU75LIB by team, AI Modes	07 to 11 May	46	01-07	22-08	22-03	19-24	20-21	NO	NO	NO
Mt Athos – SV2RSQ/A, CW & SSB	07 to 10 May	47	--	--	--	11-24	--	--	--	--
Bahrain – A91WTIS	10 to 17 May	44	NO	00-02	23-04	19-23	16-21	NO	NO	NO

Prepared 28 April 2020 based on the 27 April 2020 *The Weekly DX*, Ohio/Penn DX Bulletin #1462, and <https://dx-world.net/>

Notes: Times shown are for S-5 or better signals and 60% or better opening probability. ??? = Call Sign or Date not yet known; ++ = Mostly SSB; ** = Mostly CW; NO = No Opening forecast, NIL = band is open but signals below S-5 threshold. Long Path bearings and opening times are underlined. All forecasts are calculated using VOACAP <http://www.voacap.com/hf/>.

-- APRIL SOLAR ACTIVITY --

Through 27 April, the 10.7 cm Solar Flux ranged from 68 to 71, with a mean value of 69.6. The A_p index was ≥ 7 on 11 days.

There were small sunspot groups on 01-04 and 26-27 April.

-- MAY FORECAST --

Solar activity is expected to be very low throughout the outlook period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to persist at normal and normal to moderate levels throughout the outlook period.

Geomagnetic field activity is expected to reach active levels on 05 May in response to recurrent CH HSS influences. Generally quiet and quiet to unsettled conditions are expected to prevail throughout the remainder of the period.

The 10.7 cm Solar Flux should range between 69 and 70 and average 69.6 during May.

(From NOAA *Weekly Highlights and Forecasts*, 27 April 2020, NOAA *27-day Space Weather Outlook Table*, 27 April 2020, and *45 Day AP Forecast*, USAF, 27 April 2020.)

-- BORED WITH "STAY HOME" ORDERS? --

Although we are missing DXpeditions, there is a tremendous amount of activity on the bands as every country in the world seems to have stay at home orders. With no expeditions, some may be experiencing a lack of motivation to get on the air.

We have the answer! CQ's annual DX Marathon!! Each year hams are invited to work as

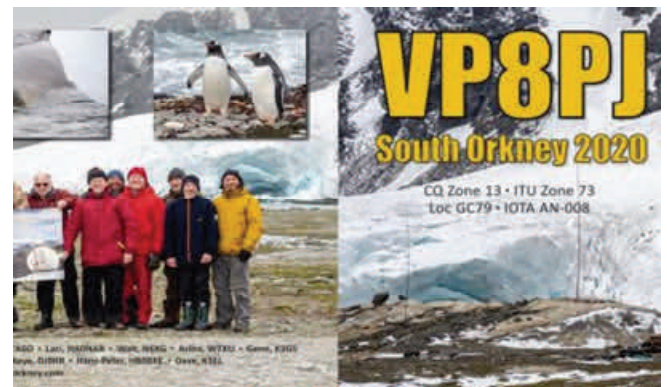
many countries and CQ zones as possible. So far this year over 255 CQ countries have been active plus all 40 zones. That is a lot of DX chasing to keep everyone busy! There are plenty of certificates and even plaques for the top scores each year, but many hams simply compete against themselves to improve their totals each year. This is a wonderful time to participate in the DX Marathon and see how many countries and zones you can work this year!!! Complete details on the DX Marathon are available on the DX Marathon website - www.dxmarathon.com.

Come and join the fun! 73, John-K9EL

-- SWPC SOLAR CYCLE 25 FORECAST --

NOAA's Space Weather Prediction Center recently published its official updated forecast for the upcoming Cycle 25. Details on the following site: <https://www.swpc.noaa.gov/products/solar-cycle-progression>

SWPC forecasts the cycle will peak throughout 2025 with SSN's of 113-115. This is similar to the peak of Cycle 24 but of longer duration.



Coming soon to your mailbox (if you worked it)

Florida QSO Party Report

14 Ops—2,842 Qs—653,016 points!

First, NS4P, Steve's story

What a great event! This was the first time I participated in the club effort for FQP. With the new rules permitting Multi-Operator/Multi-Transmitter/Distributed operation, I felt I could make a contribution. My station had been working well for months and while I'm not a "Big Gun" I do have an adequate signal. The effort started weeks in advance with installation and configuration of a new contest logging program (N1MM) that I had to interface with my rig. I also recorded audio files so I could call CQ at the touch of a button.

Since that wasn't enough pressure, Tom Porada – W4IEE decided to implement a mesh network over a VPN so that we could keep a consolidated log between all the stations in real time. Entire days were spent tweaking and testing to help get this working – it should be noted that the developers on N1MM were releasing updates on nearly a daily basis as the mesh networking over VPN was new to them too – we were pioneers. Huge kudos to Tom P. for sticking with it to make everything work.

Our chief cat-herder, Frank W2XYZ, was busy with daily updates to the operating schedule, standard operating procedures and overall coordination of the effort, capped off with a big video conference the day before the contest started. All of us were working up to the last minute on some aspect of our station or PCs to get ready.

At the stroke of noon on Saturday you could watch the log start to fill up. 40M was strong early with 20M coming in a bit later. Testing up on 10M and 15M revealed that for all practical purposes the bands were silent – disappointing. My first shift started at 1400 local on 20M SSB. Despite some fumbling with the pre-recorded audio I was able to log some Qs, but a steadily increasing noise level made progress difficult. At first, I attributed the noise to static from the storms in the area but eventually the noise built to S9 +30dB and copy was impossible. I switched from my vertical to my long wire, which was much quieter, but not nearly as effective. It was clear that Murphy's Law had been implemented for my station. At this point I was hurting the team, so I called the coach (Frank) and took myself out of the game. Many thanks to AI K0AL for taking over 20M SSB on short notice.

Now of course my station had been working perfectly with no changes for months, so I had not had to do anything to my equipment except set up N1MM+ to



work with the rig. On the 10M net Thursday night before the contest I had some problem with the noise floor at my house, but many people on the net that night were complaining about noise, so I passed it off as QRN due to storms. I was sadly mistaken. After some debugging and hand-over-hand inspection of feed-lines and jumpers, I began to suspect a problem with my remote tuner. Luckily, I have access to an identical spare (thanks Tom) and swapped that in. No improvement.

With my next shift coming at 1800, I asked for a substitute operator to stand by while I continued to work the problem. Eventually, it seemed that the problem was related to the Bias Tee power injector that puts 12V DC on the feed-line to supply power to the remote tuner. Bias Tees are simple devices with just a few capacitors and coils so there is little to go wrong. I was very confused as to how a Bias Tee could cause a noise problem. However, removing the Bias Tee and supplying 12V power directly to the tuner via an extension cord and a small power supply seemed to fix the problem. With my station hot-wired like a stolen car, I was back in the game at 1800 (after the contest was done, I believe I found the problem. (Look for a future article in the Communicator on the resolution).

The next 4 hours were a blur. After a bit of a slow start, 20M came alive and I felt like I was on Bouvet Island. Large pileups with stations from all over the US (except Hawaii) answering my CQ. The Qs and multipliers filled the screen. It was amazing! I ended up putting in couple of shifts on Saturday and a couple more on Sunday. At 1800 on Sunday night, the

NS4P's story, continued

bands went silent and I was exhausted. When it was all done, I had a huge feeling of satisfaction. No major mistakes and a fair number of "Qs".

It's difficult to condense what I learned into just a few words, but here are a few items:

- ~ I think my biggest frustration was the audio quality from many of the calling stations, which was, in a word, terrible. Too many stations answering my CQ had muddy, fuzzy, weak or garbled audio or were seriously off frequency. It really made picking out the calls tough at times. If you are going to participate in a contest, please, please, please make sure your audio is up to standards. (Actually, it's appropriate to have good audio at all times just on general principles).
- ~ The pre-recorded audio in N1MM+ is a lifesaver. Having the computer call CQ gave me a chance to get a drink of water, stand up, reposition the headphones or whatever. I do have to put in some effort to get better acquainted with the capabilities and fine tune my audio files to speed up the exchanges. N1MM+, especially with the networked logs, was a huge part of our success. I cannot imagine logging QSOs by hand at the rate we were completing contacts.

~ It's great to have an understanding spouse. A huge Thank You to Patti N4IGI for supporting me in this effort.

~ The QLF (QSO with Left Foot) award for this contest goes to Tom, W4IEE, who attempted to make contacts while using a dummy load as an antenna! (Ha! Couldn't let that go unnoticed).

I encourage all of you to give contesting a try. For those chasing awards, contests are a great way to get those states or DX contacts you need to earn that wallpaper. Start by reading the rules for the specific contest. Pay particular attention to the "exchange", which is the information that you are expected to provide (for example, your State, County, CQ Zone or a Sequence number). Spend some time listening on the band and get a feel for how the "Big Guns" calling CQ are working the callers.

Then jump in – make a few calls. Don't get frustrated if you don't get a response right away. You are not required to submit a log to the contest sponsor and many contest stations will upload their logs to LOTW, so even if you don't want to get a score in the contest, you still get credit for the contact.

W4IEE, Tom's story

A few Murphy related comments on the FQP:

Lost 10 minutes early on realizing that my keyboard wasn't in the right place for constant access. Had to crawl under bench and rework cable positions to move it.

Sunday morning I had the 8am shift on 20 CW. Band was real quiet and dead but I noticed 20 m SSB points racking up in the log by others. My bad - Lost 30 minutes transmitting/receiving thru my dummy load!!

There I was in the middle of battle on CW when my paddle DITs stopped working. Pulled cables apart looking for a loose/bad connection only to realize my contacts were dirty. Sliding some paper in between cured the problem, but why NOW??!



^Maybe this is why I only made 3 contacts in 2 hours on 40M from noon to 2PM?

There must be a thousand of these little unexpected things that happened to others.



W2XYZ, Frank's story

Most people love a good party, especially when it has to do with ham radio. Every year at this time, the Florida Contest Group sponsors the Florida QSO Party (FQP). Many of you might remember our club won an award for coming in first place in our category last year at the FQP. Back in February many of us were planning our club's operation of this year's FQP. The plan was to operate from the great station owned by Al, K0AL, affectionately known as, "The Cottage." The Corona Virus pandemic put an end to those plans. There is no way we can stay at home and practice social distancing and still participate as a multi-operator station. Our plans for FQP were doomed - or were they?

Steve, K4EU and I bounced around the idea that it would be great if we could operate as a club, but each club member would use his home station. FQP rules didn't permit that. Steve took the initiative and contacted appropriate people involved in rule-making for the FQP and sold them on the idea. Surprisingly, they agreed to rewrite part of the rules for this year's event. We would be able to operate distributed multi-multi. That means, for this year, (and hopefully never needed again), our club could enter the contest in that manner. There were, however, a couple of stipulations. All transmitters, (homes), had to be located in Sarasota County. No remote stations, such as the operator lives in Sarasota and his home station in Ohio is being used via internet. Those rules were easy enough to follow, but the next one was tough. Only one transmitter per mode per band may be in operation at any time. Failure to abide by any of the rules may be grounds for disqualification.

How do we be sure we don't break the rule of one transmitter per mode/band? To do that requires lots of coordination. Tom, W4IEE and Steve, NS4P did much to solve that problem. Literally, for days they worked to set up a VPN network on the internet that tied the contest software N1MM+ together for each station. With N1MM+ running on this (Hamachi) network, each of the eleven operators connected to it could see what frequency and mode each of the other stations were tuned to and whether they were receiving or transmitting at the time. All the computer clocks were also tied together to prevent any errors of that nature.

When everything was working right, it all had to be put on the computers of the other operators. It would have been easy to go to someone's house and install the software and make firewall changes to their com-



puter. Social distancing did not permit that luxury. Instead, Tom called everyone desiring to be connected and telephonically instructed them on how to make the changes. Then they had to be instructed on how to use the new logging software. By the time the party started, there were only three operators not connected and that was at their choice to use their more familiar logging software.

We had a schedule for the 14 operators participating in the party. All had two, or more, 2-hour time shifts. We kept close tabs on each other to insure they were QRV and QRT at the correct time with no overlap or openings. Our two-meter repeater was heavily relied upon those two days to stay in contact with each other. When absolutely necessary, we even used cell phones.

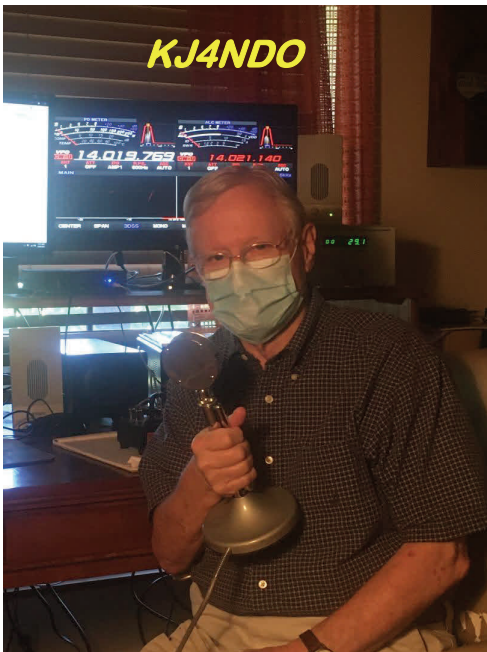
So how did we do? In the 20 hour event, we made 2842 contacts giving a score of 653,016 points. Is that good? Read our president's column in this newsletter to see how we fared this year compared to last year and the year before. It wasn't our goal or intention, but during the course of the contest, we worked all 50 US States and only missed the lesser populated provinces of Canada. It was a great party, no hangovers. Truly the most fun we've had since being incarcerated.

Our Phone operators were: K0AL, Al Culbert; KB1HIP, Andy Durette; KN4BAR, Paul Neina-ber; KN4ONE, Tom Babcock; KJ4NDO, Jim Shortill; N2UD, Tom Zirolli; NS4P, Steve Phillips; W4JS, Jack Sproat; & W8QJF, Tom Shrilla.

Our CW operators were: AA4TI, Steve Mor-ton; K4EU, Steve Hawley; W2XYZ, Frank Wroblewski; W4IEE, Tom Porada; & W5GJ, Bob Schneider.

73, Frank, W2XYZ

More FLQ Ops at their stations



Log Me In!!



SUMMARY

Band	CW Qs	Ph Qs
40	584	524
20	753	963
15	11	2
10	3	2
Totals	1351	1491
Mults	83	73
Total Score = 653,016		





Recently, Steve Phillips, NS4P, collected a trailer full of amateur radio equipment donated by the family of Lloyd Smith, WA9NLA (SK). Steve and others will be inventorying the equipment and determining what is in working condition. The equipment will be available for individual purchase by club members or to sell at hamfests in the future. Here is a partial list.

Nbr	Category	Make	Model	Serial Number	Cond'n	Notes	Sold to:
1	tube tester	Jackson	648		good	with instruction manual	
2	tube tester	Hickok	800	22214982	good		
3	oscilloscope	Tektronix	2215		good	sweep works; with probes	
4	tube tester	Sencore	Mightymite VII TC162		good	with instruction manual	
5	tv-rf signal analyzer	Sencore	FS74		fair		
6	unun	ZeroFive Antennas	multiband vertical		new		
7	microphone	Shure	404C		fair		
8	microphone	Shure	522		good		
9	microphone	Astatic	D104		good	gstand, no amp	
10	power supply	Heathkit	HP13		fair		
11	power supply	Heathkit	HP13		good		
12	power supply	Drake	AC-4	59697	vy good		
13	high voltage probe	Polaris	650		good		
14	amplifier relay	Ameritron	ARB704		good		
15	2M ht	Icom	IC-2AT	20974	fair		
16	front panel	Yaesu	FT-100	91006	good	front panel only	
17	FMRS radio	Motorola	Talkabout T6500		good	w/charg std - may not be for this radio	
18	multimeter	Heathkit	IM-104		fair	some corrosion on battery terminals	
19	power supply	Power Designs	605	V402099	fair	appears to be 0 to 5 volts	
20	paddle	Bencher	BY2		good		
21	paddle	Brown Brothers	BTL-A		good		
22	filter	LogiKit by Idiom Press	SCAF-1		vy good	may be an audio filter	
23	digital frequency display	Almost All Digital Elect	C-Heath		good		
24	keyer	Heathkit	HD-1410		vy good	Tested - works	
25	vacuum tubes	assorted			unknown	shoebox full of assorted tubes	
26	code oscillator	Heathkit	HD-1416	06-43055	good	Tested - works	
27	oscilloscope	Philips	PM3266	DQ-0601140	fair	lights up	
28	2M VHF radio	ADI	AR247	07CC02B0354	good	may not have correct microphone	
29	microphone	Motorola	HMN105C		good		
30	microphone	Motorola	HMN105C		good		
31	power supply	Astron	RS20A	97110270	good	works, missing two small feet	
32	scanner	Radio Shack	Pro 2052	96010005	good	set up to scan cell phones; w/manual	
33	copper ground bar					20 x 2 x 3/8; has 3 lightning arresters	
34	remote VFO	Drake	RV-3		good		
35	HF transceiver	Swan	350C	C1026193	good	no power supply	
36	HF transmitter	Drake	T-4XB	13876G	good		
37	HF receiver	Drake	R-4B	7712B	good		
38	HF transceiver	Drake	TR-4	29514A	good		
39	speaker	Drake	MS-4		fair		
40	HF transceiver	Drake	TR-4	16471A	good		
41	HF transceiver	Drake	TR-4	2670A	good	missing band knob	
42	HF transceiver	Swan	500C	I107801	good		
43	remote VFO	Drake	RV-3	1899	fair		
44	power supply	Swan	117X	O549245	good		
45	HF transceiver	Atlas	Atlas 180	TD1815	fair	with mobile bracket	
46	dummy load/watt meter	Heathkit	HM2103		fair	Repaired - tested - works - SOLD	NS4P
47	power supply	Heathkit	HP23-B	2623	good		
48	power supply	Heathkit	UT1		fair		
49	1296 MHz transverter	SHF Systems	SHF 1296B	75	good		
50	noise filter	JPS Comm	NIR10	13011	good		
51	spectrum analyzer	Heathkit	SB620	0536D	good	missing feet	
52	QRP transceiver	Heathkit	HW-8		good	SOLD	W5GJ
53	QRP transceiver	Heathkit	HW-7	03332	good		
54	monitor scope	Heathkit	HO-10		fair	no case	
55	6M & 2M transmitter	Ameco	TX62	1590	good		
56	single sideband adapter	Heathkit	SB-10		fair	with dents	
57	6M & 2M transmitter	Heathkit	VH1 Seneca		fair		
58	HF receiver	Heathkit	RX-1 Mohawk		good		

More >>>



If you have an interest in purchasing any of the items on this list, please contact Steve, NS4P at sphillips3@gmail.com to place your bid. A panel of TARC experts will appraise each item and set a fair price as a starting point for bids/negotiations. All proceeds benefit TARC.

Nbr	Category	Make	Model	Serial Number	Cond'n	Notes	Sold to:
59	HF transmitter	Heathkit	HX-10 Marauder		fair		
60	HF transmitter	Heathkit	HX-10 Marauder		fair		
61	linear amplifier	Heathkit	HA10 Warrior		fair		
62	6M & 2M transmitter	Heathkit	VH1 Seneca		good		
63	2M HT	Icom	IC-2AT	22312	fair	incl. Mirage B23 30-Watt amp	
64	2M transceiver	Heathkit	HW-20 Pawnee		poor	with mobile bracket	
65	antenna tuner	MFJ	MFJ 989D		vy good	roller inductor legal limit	
66	antenna tuner	Heathkit	SA-2040	01005	good	1.5 KW	
67	antenna tuner	UPC	The Unique Wire Tuner		good		
68	HF receiver	Heathkit	MR-1 Camanche		fair		
69	HF transmitter	Heathkit	MT-1 Cheyenne		poor		
70	2M transceiver	Heathkit	HW-20 Pawnee		fair	with mobile bracket	
71	speaker	Heathkit	SB600	63257	good		
72	speaker/power supply	Heathkit	SB600 / HP23B	/ 00405	good		
73	speaker/power supply	Heathkit	SB600 / HP23C		good		
74	6M converter	Heathkit	SBA300-3	0044494	fair		
75	6M converter	Heathkit	SBA300-3		fair		
76	monitor scope	Heathkit	SB614	01549	good		
77	80M SSB transceiver	Heathkit	HW-12		fair		
78	HF transceiver	Heathkit	HW-101	10347	good		
79	HF transceiver	Heathkit	HW-101	22744	good	wired for use with #23 digital freq disp	
80	HF transceiver	Heathkit	HW-101	04149	good		
81	HF transceiver	Heathkit	SB-100		good		
82	HF transceiver	Heathkit	SB-102		good		
83	2M ht	Icom	IC-2AT	22368	vy good		
84	battery charger	Icom	BC35	193806	good	for IC-2AT	
85	SWR bridge	Heathkit	HM-102	050611	vy good		
86	speaker	AES	PCL-1		good		
87	speaker	AES	PCL-1		good	modified, could be for a second input	
88	2M FM transceiver	Pace	Communicator II	08800222	good		
89	interactive visual communicator	Kenwood	VC-H1		fair		
90	digital interface	W Mountain Radio	RIGblaster Plus		vy good		
91	straight key	Kent	Hand Key		excellent	sold to Steve NS4P	
92	paddle brass key	K8RA	P-2		good	custom made, missing a foot	
93	VHF/UHF/Dstar Mobile	Icom	ID-880H	1505164	New	Complete w box, book, accesories	
94	VHF/UHF/Dstar Mobile	Icom	ID-880H		New	Complete w box, book, accesories	



May 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<p>* Peaches opens at 6:00 AM. Orders taken at 7:00</p>	<p>All events except over-the-air contacts are cancelled until further notice.</p>				<p>1</p> <p>Breakfast @ Peaches *</p>	<p>2</p> <p>Breakfast @ DAV 9:30</p>
<p>3</p>	<p>4</p> <p>QCWA 11:30 AM Denny's Bee Ridge Road</p>	<p>5</p> <p>Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1</p>	<p>6</p> <p>Breakfast @ IHOP 8:30</p>	<p>7</p> <p>TARC net @ 7:30 PM W4AC / RPT 146.805 ** +10M net</p>	<p>8</p> <p>Breakfast @ Peaches *</p>	<p>9</p> <p>DAV 9:30</p> <div style="border: 1px solid red; background-color: #f0f0f0; padding: 5px;"> <p>TARC VE session @ Venice Public Library 10:00</p> </div>
<p>10</p> 	<p>11</p>	<p>12</p> <p>Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1</p>	<p>13</p> <p>IHOP 8:30</p> <div style="border: 1px solid blue; background-color: #e0e0ff; padding: 5px;"> <p>TARC meeting on w4AC 2-meter repeater 7:00</p> </div>	<p>14</p> <p>TARC net @ 7:30 PM W4AC / RPT 146.805 ** +10M net</p>	<p>15</p> <p>Breakfast @ Peaches *</p>	<p>16</p> <p>Breakfast @ DAV 9:30</p>
<p>17</p>	<p>18</p>	<p>19</p> <p>Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1</p>	<p>20</p> <p>Breakfast @ IHOP 8:30</p>	<p>21</p> <p>TARC net @ 7:30 PM W4AC / RPT 146.805 ** +10M net</p>	<p>22</p> <p>Breakfast @ Peaches *</p>	<p>23</p> <p>Breakfast @ DAV 9:30</p>
<p>24</p> <p>31</p>	<p>25</p> 	<p>26</p> <p>Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1</p>	<p>27</p> <p>Breakfast @ IHOP 8:30</p>	<p>28</p> <p>TARC net @ 7:30 PM W4AC / RPT 146.805 ** +10M net</p>	<p>29</p> <p>Breakfast @ Peaches *</p>	<p>30</p> <p>Breakfast @ DAV 9:30</p>

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.

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

2020 TARC officers:

President

Jim Shortill KJ4NDO
jnmshortill@netscape.net

Vice president

Steve Phillips NS4P
sphillips3@gmail.com

Secretary

Patti Phillips N4IGI
pat.phillips3@gmail.com

Treasurer

Frank Wroblewski W2XYZ
w2xyz@arrl.net

Directors:

Peter Boers	KV4LR	peterboers@ieee.org
Andy Durette	KB1HIP	af_durette@hotmail.com
Chet Fennell	KG4IYS	chet_fennell@msn.com
Gary Hagens	K6OC	g.hagens@verizon.net
Guenther Hennig	AJ4QX	aj4qx@hotmail.com
Paul Nienaber	KN4BAR	paul9aber@gmail.com
Tom Shrilla	W8QJF	tshrilla@gmail.com
San Yoder	K3SY	k3sy.73@verizon.net

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NAME _____ Call Sign _____ Class _____ ARRL ? Yes ___ No ___
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 PHONE _____ ALT. e-mail _____
 Application date _____ PAYMENT: Amount _____ by: Check ___ Cash ___ PayPal ___ First year free ___

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 PO Box 976
 Nokomis, FL 34274
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 New licensee: 1/1 to 10/31 - free to year end.
 11/1 to 12/31 - free thru next year.

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

Contact: Secretary, Patti Phillips, N4IGI - pat.phillips3@gmail.com

