



THE COMMUNICATOR



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

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

Incorporated 1984

<http://www.tamiamiarc.org>

June, 2018

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President's message.....KB1HIP

The May monthly meeting was well-attended with a terrific technical presentation on magnetic loop Antennas (MLA) by our guest speaker Dennis Blanchard, K1YPP. Thanks to Dennis, we now have more members interested in this type of low noise antenna. I am a fan.

The other activity of note that took place in May is the Technician course put together by Paul Nienaber, KN4BAR and held on the four Saturdays in May at the Jacaranda Library. We all thank Paul for all the efforts to put this course together.

The club has agreed to operate at the 2018 ARRL Field Day that will take place on the 23 and 24 of June. We will be discussing the setup details at our next club meeting on 13 June. You can sign up to operate at the June monthly meeting.

At the last monthly meeting, a motion was made, seconded and voted on in the affirmative to cancel the monthly meetings for July and August and to resume the meetings starting in September.

I am leaving for New Hampshire at the end of May for a four month snowbird vacation, so Gary Hagens, K6OC, our Vice President, will chair the June and September meetings.

I hope everyone has an enjoyable June and the rest of the summer.

VY 73 to All de Andy-KB1HIP



Next month:

**Field Day
reports**

**TARC meetings
cancelled for
July and August**

June Meeting

Our meeting will start at **7:00 PM** on Wednesday, **13 June, 2018** at the Coast Guard Auxiliary Training Center, 1200 South Harbor Drive.

TAMIAMI AMATEUR RADIO CLUB *Minutes of the 5/9/18 Meeting*

The meeting was called to order at 7:06 PM by President Andy Durette, KB1HIP. The pledge to the flag followed. Introductions were made all around by name and call sign.

MINUTES: President Durette requested a motion to accept the minutes of the April 11, 2018 meeting as published in the Communicator. Motion was made, seconded and approved.

CORRESPONDENCE: Albert Howes, KT4IO, howesaj@msn.com, indicated by letter that he had some HF radio equipment no longer being used. Anyone interested please contact him by E-mail.

TREASURER'S REPORT: Treasurer Frank Wroblewski, W2XYZ, reported a beginning balance of \$5,926.24, income of \$159.00, expenses of \$636.57 and an ending balance as of April 30, 2018 of \$5448.67.

SUNSHINE: Nothing to report

VE TESTING: Don Jansen, KI4VGE, reported that one candidate took the Technician examination and passed. The candidate is now studying for his General License.

LIAISON TO QCWA: There were 30 members, spouses and guests present for the May, 2018 meeting of Suncoast Chapter 53 at Denny's restaurant in Sarasota, FL. The program was presented by Conrad, WA3RRS on the clarinet.

REPEATER / TECHNICAL: Frank Wroblewski, W2XYZ, reported that the digital repeater 444.10 MHz was working satisfactorily and the Club 2 Meter repeater (146.805 MHz (-) PL 100) is also working satisfactorily. The digital net opens Tuesday evening at 7:30 PM. The 2 Meter net opens Thursday evening at 7:30 PM.

MEMBERSHIP: There are 52 paid up regular members, 11 first-year, 5 life and one comp, for a total of 69.

PUBLICITY: Tom Porada, W4IEE, is on vacation and will report on publicity initiatives at the next meeting.

OLD BUSINESS: Shark Tooth Festival "After Action" comments. 1.) Tent is too small for the placement of radios on opposite sides of the tent. 2.) Antenna worked well. 3.) Vendor generator noise is a problem. 4.) 20 Meter and 40 Meter transmissions were seriously degraded by hash. The club discussed purchasing 20 Meter and 40 Meter Band Pass filters to cover transmit and receive operations. By motion made, seconded, discussed and approved - the club approved the purchase of Band Pass filters at an estimated cost of \$84.00 each.

Repair of USCG Antenna. Club members agreed that use of the lift bucket truck to repair the antenna would be the most practical and safest method. By motion made, seconded, discussed and approved - the Club agreed to allocate \$200.00 for the use of the lift bucket truck for USCG antenna repair.

NEW BUSINESS: 1.) Field Day is Saturday June 23rd and Sunday June 24th. At the next meeting the Club will generate a participant list for Field Day operations. Location will be selected at the next meeting.

Club Web Site. Paul Nienaber, KN4BAR, volunteered to re-do and upgrade the Club web site. Paul's objective is to create a dynamic site containing active content and the latest Club information. He requests that members who have photographs of club events submit their photographs to show the Club history and event participation. By motion made, seconded, discussed and approved - Paul was approved as OIC for the web site revision.

50-50 was won by Guenther Hennig, AJ4QX. The amount was \$18.00 and he donated it back to the Club.

The meeting adjourned at 7:43 PM. There were 21 members and guests present.

Program. Dennis Blanchard, K1YPP, gave an excellent presentation on loop antennas. After the presentation, Dennis answered numerous questions. This was an enjoyable and technically appealing presentation.



DX Jack's page....

..... By Jack Sproat, W4JS

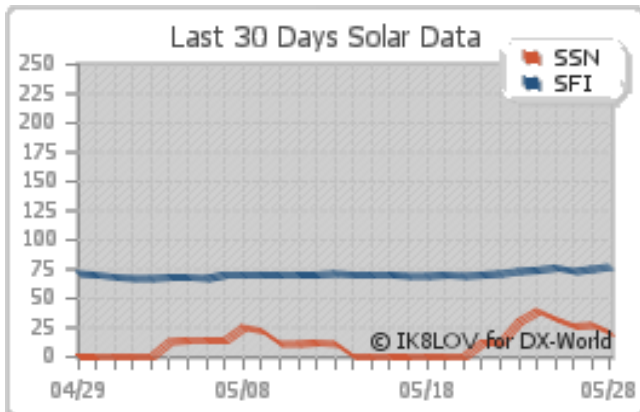
MAJOR CURRENT/UPCOMING DX ACTIVITY & PROPAGATION HIGHLIGHTS

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
Reunion Is – FR/F4HPX, ++, perhaps FT8	Now to 15 June	91	--	01-03	--	0400	--	NO	--	--
Sao Tome & Principe – S9ZZ by EB7DX	01 to 09 June	90	--	00-03	23-01	21-02	20-00	NO	NO	NO
Indonesia – YB50AR; 50 years of ORARI	01 to 30 June	330	NO	NO	NO	NO	23-02	NO	NO	NO
Aland Is – OG0C, team op, all modes	02 to 06 June	31	00-03	00-07	04-07	19-00	NO	NO	NO	NO
Rwanda – 9X2AW by DF2WO, all modes	05 to 24 June	81	NO	0300	00-04	22-02	19-22	16-22	NO	NO
French Polynesia – FO/HB9XBG, ++	07 to 17 June	243	--	--	--	00-08	--	--	--	--
Marshall Is – V73/KW4WZ, FT8, some SSB	07 to 18 June	282	06-10	05-12	04-11	01-05	00-04	02-03	NO	NO
American Samoa – KH8/WJ2O, **	08 to 10 June	256	--	05-11	04-11	02-04	02-04	02-04	--	--
Corsica – TK/PE2USA, SSB & RTTY	10 to 15 June	51	--	02-07	--	18-01	--	--	--	--
Samoa – 5W??? by WJ2O, **	11 to 13 June	257	--	05-11	04-11	02-04	02-04	02-04	--	--
American Samoa – KH8?WJ2O, **	13 to 17 June	256	--	05-11	04-11	02-04	02-04	02-04	--	--
Solomon Is – H44XG by JA1XGI, **	21 to 27 June	275	--	08-10	06-10	12-14	19-03	19-03	21-03	NO
Palau – T88YL by JJ1BDT, ++, holiday style	22 to 27 June	309	--	NO	--	--	21-02	00-02	--	--
Taiwan – BW/DF8DX, **	24 to 30 June	334	NO	NO	NO	NO	21-02	NO	NO	NO
Market Reef – OJ0Y by 3-op team	26 to 29 June	31	0003	00-07	04-07	19-00	NO	NO	NO	NO
Baker & Howland Is – KH1???, big team op	27 June – 07 July	272	06-10	06-12	05-12	01-05	02-05	0330	NO	NO
Micronesia – V6J by Japanese team	29 June – 02 July	293	09-10	08-11	08-10	09-13	11-12	NO	NO	NO

Updated 29 May based on 28 May *The Weekly DX*, <https://dx-world.net/> and <http://www.ng3k.com>

Notes: Time in bold = Bands with 75-100% opening; ??? = Call Sign not yet known; ++ = Mostly SSB; ** = Mostly CW; NO = No Opening forecast. Long Path bearings and opening times are underlined. All forecasts calculated using *W6ELProp* propagation software and, where possible, VOACAP predictions based on current or recent operations.

-- MAY SOLAR ACTIVITY --



Through 29 May the 10.7 cm Solar Flux ranged from 67 to 77, with a mean value of 70.6 (vs. 73.6 for May 2017 and 93.2 for May 2016), and the A_p index was ≥ 7 on 11 days. Through 28 April, the Sun was spotless on 11 days.

-- JUNE FORECAST --

Solar activity is expected to be very low throughout the period, with a slight chance for isolated C-class events on 01-04 Jun and 10-23 Jun, due to flare potential from Regions 2711 and 2712.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach very high levels on 05-07 Jun with high levels expected on 02-04 Jun and 08-13 Jun. Moderate flux levels are expected for the remainder of the period.

Geomagnetic field activity is expected to reach G1 (Minor) geomagnetic storm levels on 02 and 29 Jun with active levels on 01, 03-04, 28 and 30 Jun due to the influence of a recurrent, negative polarity CHSS. Unsettled levels are expected 05-06, 13, 19 and 24-25 Jun. Quiet conditions are expected during the rest of the month.

The 10.7 cm Solar Flux should range from 70 to 73, and average 71.4 during June.

(From *NOAA Weekly Highlights and Forecasts*, 28 May 2018, *NOAA 27-day Space Weather Outlook Table*, 28 May 2018, and *45 Day AP Forecast*, USAF, 28 May 2018.)

-- T88YL – PALAU --



Tatsuko, JJ1BDT will be active from Koror, Palau as T88YL (see table above). She is new to HF bands so asks for patience. QSL via JR1FKR. (TNX <https://DXWorld.net>)

Digital Frank's take on Dayton.. By W2XYZ



I made it to Dayton, have conquered, and returned. My thanks to San's friend Finlay B. Shark for writing last month's report on the Shark Tooth Festival while I prepared for my journey. Not being judgmental, mind you, but that Finlay is a strange guy (read fish). His idea of Ham radio and what we do at the Shark's Tooth Festival was accurate but was very distorted. I brought him the Virginia ham he requested and dropped it off the end of the pier as we agreed. At the beach the next day I found a bottle with a note in it (that's how Finlay communicates to us) saying, "Thanks. He was a little salty and didn't put up a fight, but delicious just the same." Very weird guy (read fish) that Finlay.

I'm sure you know, the Dayton Hamvention is no longer in Dayton. For very many years it was held in Trotwood, a suburb of Dayton at a Hockey stadium named Hara's Arena. Hara's finally closed (long overdue) and a new site was selected for last year's Hamvention. The Hamvention moved just a couple of miles east of Dayton to the town of Xenia, in Greene County. The DARA club, which sponsors the Hamvention, selected the Greene County Fairgrounds in Xenia as its venue for the 2017 Hamvention.

As with anything new, there's bound to be problems...and there were. The biggest problems were with parking, traffic, and flea market area. The Sheriff's Department quickly resolved the traffic problem after the first day. Parking and flea market area probably wouldn't have been that much of a problem, had it not rained almost continuously. The parking fields quickly turned to mud. Many cars got stuck and required towing. The flea market was a swamp. Even with all those problems, the turn-out was 29,296 attendees in 2017.

DARA and Greene County promised the Amateur community that 2018 would be better. Was it? Yes, it was better this year. The traffic problem was non-existent. Parking was improved with more off-site parking (and shuttle buses). For the adventurer risk-taking type, parking on the field was also available. Thousands made the choice of parking on the grass, that is, until the rain started. Hey—what is Hamvention without rain, right? It rained (as it always does), but it wasn't continuous. We had several brief periods of rain each day, but not enough to ruin the fun. Even those living on the edge with parking on the grass did okay. It got muddy, but not sloppy. I didn't see a single tow truck or friends pushing a car out of mud-ruts.

What about the swamp, a.k.a. flea market area? The County made a matrix of 'sidewalks' with crushed asphalt throughout the entire area. It didn't work perfectly because

there was a gap of a few feet from the 'sidewalk' to the vendor in some places. Other places the asphalt got pressed down by thousands of bargain-seeking feet and quickly became soupy. The County was on hand to quickly remedy that problem by dumping large amounts of hay on these low spots which became passable again.

Enough about logistics, let's talk about the reason we go there—RADIOS. All major (and many lesser-known) manufacturers were present with extensive displays of their products. We got to see new models ready for release, but not yet type approved by the FCC, plus everything currently available. From the lowest priced handhelds to the top shelf, state of the art, super transceivers.

Let's not forget the accessories. Antennas of all types and sizes, even stealthy types. Straight keys, electronic keys, elegant keys, antique keys, portable keys (sorry no house keys or garage keys) all on display and connected to try out. A cacophony of dits and dahs echoed throughout the buildings.

Bob Heil was there and demonstrated his many different microphones and attachments. Gordon West was there signing books and most anything you wanted his signature on. I tried to get him to sign a blank check for me, but he was too smart to fall for that one.

The ARRL had an extensive display. Books, QSL card-checking, labs, and much more. Gadgets and accessories galore. To name a few, MFJ, Quicksilver, R&L, Wired, and Tower Electronics were present with every connector and wire known to mankind that can be attached to your radio, power supply, car, or antenna. Coax, windowline, rotor cable, primary wire, et cetera were available from several different vendors. Personalized hats, shirts, coffee cups, name plates and more were available.

Hourly prizes are given away each day plus at the end of the Hamvention, any hourly prizes not claimed are redrawn and drawn again and again until a ticket-holder is found. In addition to the hourly prizes, there were also 22 major prizes awarded. The major prizes ranged from 'measly' 500 feet of 9913 coaxial cable all the way up to an Icom 7610 transceiver.

Enough about the reason we go there, let's talk about the real reason we are Hams—FOOD. Sure we like technology and we like to talk to new people and be sociable. Be honest now, do you recall any major Ham gathering where food was not involved? Funny, I can't

Con't >>

Hamvention, con't

either. Hams and food go well together. When the Hamvention was held at Hara's, there was a very limited amount of food items available. Pizza, hot dogs, turkey sandwiches, pulled pork sandwiches, and hamburgers. Not so in Xenia! There must have been at least 20 different food vendor trucks. They offered everything from noodles with cabbage to locally raised beef for steak sandwich-

es and everything in between. A real culinary paradise. Even if you are not into ham radio, going to Hamvention at Xenia would be worth the trip just for the food alone.

Maybe next year we can organize something where a group of us will travel together.

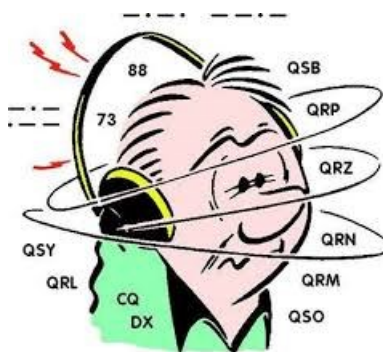
Until next month...

73, de W2XYZ

KN4BAR reports on Tech training class

We started on May 5th with fifteen students and finished up on May 26th with ten of them still attending the classes. Seven, maybe eight, of them will be testing with our club VEs on June 9th. One student said they would test in Port Charlotte and two were late-departing snowbirds that planned to test up north someplace in June.

Interest was high from these students, and we should plan to do this again in the fall when



snowbirds have returned for another season. Of course this means having to redo the entire course because the Technician Class pool questions change on July 1, 2018.

There was some interest in taking a General Class training course by many of the students. Can we get a club member to tackle putting that course

together? There should be enough interest in the area to support it.

73, de KN4BAR



At left, Dennis, K1YPP demonstrates his magnificent mag loop antenna at the May TARC meeting. His presentation generated a lot of interest, envy, and hopes of duplicating the feat.

While at right, Tom, W4IEE succeeds in straightening the tower at least 4 1/2 degrees, also an impressive feat, however no one expressed interest in duplicating his accomplishment



Scenes from the 2018 Dayton Hamvention

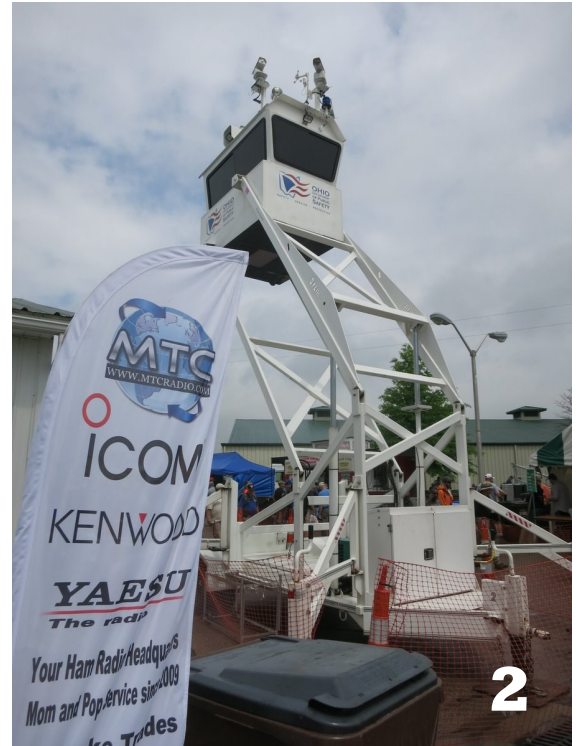
The following photos from Dayton were supplied by Bob Marchese, K1NOK



1. Gotta see the sights on the way to Dayton!
2. D'ya think they'll let my fly it?
3. Shuttle trainer, or Bob's ham shack?
4. Big news!
5. Where they all came from.



Dayton Hamvention, con't....



- 1. DX dinner.
- 2. Secret police?
- 3. Good stuff!
- 4. Better stuff. Just read the signs.
- 5. Scoping things out.



Dayton Hamvention, con't....



1



2



3

1. Some familiar faces, WA1ZKN and W2XYZ.
2. Rain, what rain?
3. Awesome-sauce software.
4. The ultimate HOA stealth antenna— if you can get the XYL to cooperate.
5. It's OK to be a ham, Miss Piggy!
6. Time to bag it and head home!



4



5



6

What's the frequency, Kenneth?*

Freq./Offset	Tone	Location	County	Call	Notes
145.130 -	100.0	Venice	Sarasota	N4SER	DARN CH 5
146.730 -	100.0	Sarasota	Sarasota	N4SER	
146.775 -	77.0	Englewood	Sarasota	K0DGF	
146.805 -	100.0	Englewood	Sarasota	W4AC	DARN CH 2
146.910 -	100.0	Sarasota	Sarasota	W4IE	
146.970 -	136.5	North Port	Sarasota	W0AC	
147.120 +	136.5	North Port	Sarasota	K4NPT	
147.300 +	141.3	Sarasota	Sarasota	KD4MZM	
147.390 +	100.0	Sarasota	Sarasota	N4SER	
442.050 +	100.0	Venice	Sarasota	KB2WVY	
442.150 +	94.8	North Port	Sarasota	KA2LAL	
443.700 +	82.5	Sarasota	Sarasota	K4JBV	
444.100 +	CC1	Englewood	Sarasota	W4AC	
444.550 +	141.3	Sarasota	Sarasota	KD4MZM	
444.625 +	77.0	Englewood	Sarasota	K0DGF	
444.700 +	CC1	Laurel	Sarasota	N4SER	
444.800 +	100.0	Sarasota	Sarasota	NX4Y	
444.925 +	100.0	Sarasota	Sarasota	W4IE	
146.685 -	136.5	Punta Gorda	Charlotte	KF4QWC	DARN CH 4
146.745 -	136.5	Punta Gorda	Charlotte	WX4E	DARN CH 3
146.865 -	136.5	Port Charlotte	Charlotte	K8ONV	DARN CH 6
146.925 -	136.5	Port Charlotte	Charlotte	N4FOB	
147.015 +	136.5	Port Charlotte	Charlotte	KB0EVM	
147.255 +	136.5	Port Charlotte	Charlotte	W4DUX	
442.925 +	CC0	Port Charlotte	Charlotte	W4DUX	
444.600 +	82.5	Murdock	Charlotte	N9OJ	
444.850 +	136.5	Punta Gorda	Charlotte	K0RTU	
444.975 +	136.5	Punta Gorda	Charlotte	WX4E	
145.110 -	100.0	Bradenton	Manatee	KJ3LR	
145.430 -	100.0	Verna	Manatee	NI4CE	DARN CH 1
146.820 -	100.0	Bradenton	Manatee	K4GG	
146.955 -	100.0	Bradenton	Manatee	K4BRC	
147.195 +	103.5	Bradenton	Manatee	KF4MBN	
224.620 -		Bradenton	Manatee	K4CVL	
441.600 x	146.2	Bradenton	Manatee	K4SIP	
442.125 +	100.0	Bradenton	Manatee	KF4MBN	
442.950 +		Verna	Manatee	NI4CE	
443.225 +	103.5	Bradenton	Manatee	KF4MBN	
443.425 +		Sanibel I.	Manatee	W4SBL	
443.875 +	100.0	Lakewood R.	Manatee	NI4MX	
444.275 +		Bradenton	Manatee	K4MPX	
444.875 +	82.5	Bradenton	Manatee	K4TAP	
147.075 +	100.0	Arcadia	DeSoto	W4MIN	
147.180 +	100.0	Arcadia	DeSoto	W4MIN	
444.200 +	100.0	Arcadia	DeSoto	W4MIN	

So you just bought that new VHF/UHF transceiver. Where are the local repeaters – and what frequencies and PL tones do you need? Without going into programming details – every make of radio is different – here is a list of repeaters in Sarasota County and the adjacent counties of Manatee, Charlotte, and DeSoto.

It's a good idea to have your radio programmed with enough frequencies to tune in to emergency traffic in case of disaster events.

The information was gleaned from the www.repeaterbook.com web site. If you know of any additional repeaters in our area, or see mis-information on the list, drop a note to your editor for future updates.
de K3SY

* Ref. Dan Rather



Frequencies

Frequently Used Digital

From the SV1GRB web site at:

<http://www.qsl.net/sv1grb/usefull.htm>

Lots of useful links

FT8

160m	1.840
80m	3.573
40m	7.074
30m	10.136
20m	14.074
17m	18.100
15m	21.074
12m	24.915
10m	28.074
6m	50.313

PSK

160m	1.838
80m	3.580
40m	7.040
30m	10.141
20m	14.070
17m	18.098
15m	21.070
12m	24.920
10m	28.070 28.120
6m	50.305

JT65

160m	1.838
80m	3.570
40m	7.076
30m	10.138
20m	14.076
17m	18.102
15m	21.076
12m	24.917
10m	28.076
6m	50.310



JT9

160m	1.839
80m	3.572
40m	7.078
30m	10.140
20m	14.078
17m	18.104
15m	21.078
12m	24.919
10m	28.078
6m	50.312

RTTY

80m	3.590
40m	7.043
30m	10.143
20m	14.080
17m	18.105
15m	21.080
12m	24.925
10m	28.080
6m	50.600

June 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		* Peaches opens at 6:00 AM, orders taken at 7:00.			1 Breakfast @ Peaches *	2
3	4 QCWA 11:30 AM China-Tokyo Restaurant, 549 US 41 N. Bypass, Venice	5 Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1	6	7 TARC net @ 7:30 PM W4AC / RPT 146.805 **	8 Breakfast @ Peaches *	9 TARC VE Session @ Jacaranda Public Library 10:00 AM
10	11 DARN Emergency net @ 11AM Starts on NI4CE/RPT 145.43 p1100	12 Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1	13 TARC meeting @ Coast Guard Training Center 7:00 PM	14 TARC net @ 7:30 PM W4AC / RPT 146.805 **	15 Breakfast @ Peaches *	16
17	18	19 Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1	20	21 TARC net @ 7:30 PM W4AC / RPT 146.805 **	22 Breakfast @ Peaches *	23  ARRL Field Day June 23 & 24, 2018 www.arrl.org
24  ARRL Field Day June 23 & 24, 2018 www.arrl.org	25	26 Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1	27	28 TARC net @ 7:30 PM W4AC / RPT 146.805 **	29 Breakfast @ Peaches *	30

**The W4AC 146.805 Repeater is now ANALOG, PL100. [If the 2-m repeater is down, please QSY to 146.58 simplex]

**TAMIAMI AMATEUR RADIO CLUB, INC.
MEMBERSHIP APPLICATION**

Name _____ Call sign _____ Class _____ ARRL, (Y/N) _____

Local Address _____ City _____ Zip _____

Phone _____ Cell _____ E-Mail _____

Summer Address _____ City _____ St. _____ Zip _____

Phone _____ Alt. E-mail _____

Application Date _____ Amount enclosed _____

Please check items of interest:

- | | | |
|---|--|---|
| <input type="checkbox"/> A - ATV/SSTV | <input type="checkbox"/> L - Echo Link | <input type="checkbox"/> S - Special Events |
| <input type="checkbox"/> C - Contests | <input type="checkbox"/> N - Net Control | <input type="checkbox"/> T - Training |
| <input type="checkbox"/> D - Digital (DMR, PSK, etc.) | <input type="checkbox"/> O - Computers | <input type="checkbox"/> U - VHF/UHF |
| <input type="checkbox"/> E - Emergency Comm. | <input type="checkbox"/> P - Packet | <input type="checkbox"/> V - VE Testing |
| <input type="checkbox"/> F - Field Day | <input type="checkbox"/> Q - Publicity | <input type="checkbox"/> X - DX |
| <input type="checkbox"/> I - RFI/TVI | <input type="checkbox"/> R - Repeater | <input type="checkbox"/> Y - RTTY |
| <input type="checkbox"/> Other (Specify) _____ | | |

**MAIL TO: TAMIAMI AMATEUR RADIO CLUB, INC.
PO Box 976
Nokomis, FL 34274**

2018 TARC OFFICERS:	
President:	Andy Durette KB1HIP
Vice President:	Gary Hagens K6OC
Secretary:	Jim Shortill KJ4NDO
Treasurer:	Frank Wroblewski W2XYZ
Directors:	Peter Boers KV4LR
	Larry Bryan W8LIG
	Don Jansen KI4VGE
	Tom McDermitt W3GXV
	San Yoder K3SY
	Guenther Hennig AJ4QX
Dir. & Pub. Inf.	Tom Porada W4IEE

Dues:	
Regular member	\$20.00/yr.
After 6/1 -	\$10.00 to yr. end
After 10/31	\$20.00 thru next yr.
Family Membership	\$25.00/yr
Non Voting Student	\$5.00/yr
New licensee	- first year free.

*The Communicator is a monthly publication of
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<http://www.tamiamiarc.org> Webmaster: Paul Nienaber, KN4BAR*