



# 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>

March, 2018

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## President's message.....KB1HIP

**A** record thirty-three (33) members and guests attended our February monthly meeting which featured Jim Greenleaf, K1ACT, as our speaker, who discussed his experience as a member of both the FBI and the CIA. The presentation was timely and informative.

We have fifty-nine (59) regular members in the club. Out of those we have about a dozen members who have not yet paid their 2018 annual dues and will be removed from the roster on 01 March after a two month grace period. We really don't want to lose any members, so please see Frank Wroblewski, W2XYZ to pay your dues.

I was honored to get the first prototype TARC polo shirt with logo, call sign and name. The shirt is terrific, and I want to thank Tom Porada, W4IEE, who took care of this project. I recommend that you see Tom and order one of these new shirts. They are great.

Unfortunately, I was not able to attend the Orlando HamCation this year. However, with the help of Al Culbert, K0AL, and Frank, W2XYZ, we sold the AL82B amplifier and miscellaneous parts left over from our January auction. We netted \$734 that we added to our treasury.

Frank Wroblewski, W2XYZ, and I met with Karen Haynes who is coordinating the Shark's Tooth 10K race, and with representatives of Sarasota and Manatee Counties Medical Reserve Corps (MRC) at the festival grounds to confirm the positions of our monitors, and to make sure we were aware of any changes to our responsibilities. The race will take place this Saturday 03 March 2017. Karen later delivered the safety vests to wear at the event.

I have submitted our request for our booth at the Shark's Tooth Festival which will take place on 13 April to 15 April. If you have not yet signed up to operate the K4S special event HF station please see Jim Shortill, KJ4NDO, and he will put you on the list. It's a good time to get some HF operating experience and have some fun.

I hope everyone has an enjoyable March. VY 73 to all, de Andy-KB1HIP

## Next month

**Shark's Tooth 10K recap**



A look forward to TARC's K4S operations at the Shark's Tooth Festival

## March Meeting

**Our meeting will start at 7:00 PM on Wednesday, 14 March, 2018 at the Coast Guard Auxiliary Training Center, 1200 South Harbor Drive.**

**TAMIAMI AMATEUR RADIO CLUB** *Minutes of the 02/21/18 Meeting*

The meeting was called to order at 7:00 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 January 10, 2018 meeting as published in the Communicator. Motion was made, seconded and approved.

**CORRESPONDENCE:** The Club received a letter from Stacey Ogea, Library Manager, Frances T. Bourne Jacaranda Public Library, thanking the Club for our generous donation of \$78.00.

**TREASURER'S REPORT:** Treasurer Frank Wroblewski, W2XYZ, reported a beginning balance of \$4,699.53, income of \$637.00, expenses of \$133.00, and an ending balance as of January 31, 2018 of \$5203.53.

**SUNSHINE:** The Club was informed that Bob Murphy, WA1UHG, has died. No additional details are available at this time.

**VE TESTING:** Don Jansen, KI4VGE, reported that one candidate passed the General examination and upgraded from Technician to General.

**LIAISON TO QCWA:** There were 25 members, spouses and guests present for the February, 2018 meeting of Suncoast Chapter 53 at Denny's restaurant in Sarasota, FL. The program, by Hans Napfel, discussed How 1s and 0s are used to perform the calculations that make computers work.

**REPEATER / TECHNICAL:** Frank Wroblewski, W2XYZ, reported that the digital repeater 444.10 MHz was working satisfactorily, but is heavily used on frequency Talk Group TAC 311. The Club 2 Meter repeater (146.805 MHz (-) PL 100) is down for maintenance. The digital net opens Tuesday at 7:30 PM. The 2 Meter net opens Thursday at 7:30 PM.

**MEMBERSHIP:** There are 59 regular members, 14 first year, 4 life and one comp, for a total of 78. Of the 59 regular members, 12 have not yet paid their yearly dues. Please get your dues payment to Frank, W2XYZ ASAP.

**PUBLICITY:** Tom Porada, W4IEE, reports that both Venice Gondolier Sun and the Herald Tribune published the Club meeting information.

**CLUB POLO SHIRTS:** The club shirts are being manufactured. Tom provided President Durette a sample shirt with the Club Logo. Looked good.

**OLD BUSINESS:** The new tent has arrived and is stored in Jim Shortill's garage. The Club decided that we needed to put up the tent to make sure that all tent elements were here and that they all fit together properly. A team erected the tent on Jim Shortill's lawn. It went up and down properly and is well finished.

**NEW BUSINESS:** The Shark Tooth Festival is April 13, 14 and 15 and is held at the Venice Municipal Airport festival grounds. A call for volunteers resulted in an informal list of members who are willing to help run the station and set up and take the station down. This format will be formalized and presented to the membership at the next meeting so additional volunteers can sign up.

**Continued >>>**

### Minutes 02/21/18 Meeting, con't.

10K Road Race. The 10K road race will be held on Saturday, March 3rd. Frank Wroblewski, W2XYZ, handed out maps and position assignments. Team members will meet at Peaches Restaurant at 6:00 AM March 3rd. for final instructions and a radio communication check.

The 50-50 drawing of \$27.00 was won by Roger Schmitt, KY4RS.

There were 33 members, guests and visitors present. After the close of the meeting, the program was presented by Jim Greenleaf, K1ACT. As a former FBI agent of long service, Jim discussed how the FBI changed from the days of Director Hoover to the present day. It was an excellent presentation.



^^^^ A full house attended the February 21st TARC meeting. Jim Greenleaf gave an excellent presentation on the relationship of the FBI, Dept. of Justice and The White House.

Don, K9DDO, presents a 65 year service award to TARC member Hans, WB2ZZB at the February QCWA meeting. Hans is our faithful program director for both TARC and QCWA. His programs are always interesting and informative.

>>>>>>>>



### Shirt mania!

Pres Andy, KB1HIP shows off the first-of-a-kind TARC shirt nurtured by Tom, W4IEE. Order yours now!

Jim, KJ4NDO presents an FBI shirt to Jim, W1ACT upon culmination of his talk at the February meeting.



*DX Jack's page....*

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



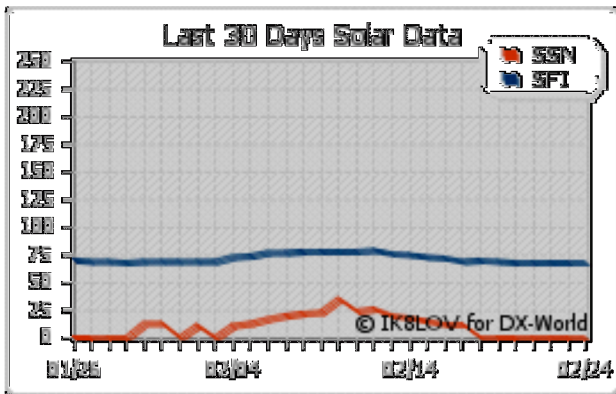
**MAJOR CURRENT/UPCOMING DX ACTIVITY & PROPAGATION HIGHLIGHTS**

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
Egypt – SU9JT by E78A	Now Active	54	<b>23-05</b>	<b>21-07</b>	22-06	18-01	17-19	16-18	NO	NO
Andaman & Nicobar – VU4G by G4IRN	Now to 05 March	188	–	No LP	Openings	–	–	–	–	–
Kosovo – Z68M by Z32ZM, CW/SSB/RTTY	Now to 06 March	46	<b>23-06</b>	<b>21-08</b>	20-09	<b>14-18</b>	14-18	15-17	NO	NO
Vietnam – XV9HL by 2-op team, all modes	Now to 06 March	348	NO	<b>11-12</b>	NO	1300	NO	NO	NO	NO
French Polynesia – FO/OE3GGEA, **	Now to 13 March	243	–	–	01-15	<b>16-01</b>	<b>17-23</b>	17-23	18-22	NO
Temotu – H40YM by VA7YM, SSB/digital	Now to 12 March	270	<b>07-13</b>	<b>05-14</b>	04-15	13-16	19-01	20-00	20-22	NO
Fiji – 3D2JS by WB2TJO	Now to 15 March	258	<b>06-13</b>	<b>04-14</b>	04-14	13-15	19-01	19-23	2100	NO
Rotuma – 3D2EU by 4-op team, all modes	Now to 16 March	263	<b>06-13</b>	<b>04-15</b>	03-15	13-15	19-01	19-23	2000	NO
Svalbard/Bear Is – JW2US by LA2US, **/digi	Now to 15 June	13	<b>00-10</b>	<b>23-13</b>	21-13	14-20	14-21	2000	NO	NO
Sri Lanka – 4S7NKG by LZ1NK, all modes	01 to 05 March	208	–	NO	NO	1300	1330	NO	NO	NO
Reunion Is – FR/F1FRJ, FT8	01 to 15 March	259	<b>00-13</b>	<b>00-24</b>	00-24	<b>15-00</b>	17-22	16-23	NO	NO
Zimbabwe – Z2LA by 3-op team	02 to 11 March	97	<b>23-05</b>	<b>22-06</b>	21-07	18-02	17-21	16-19	16-17	NO
Easter Is – XR0YD by 10-op team, all modes	02 to 15 March	208	<b>01-12</b>	<b>23-14</b>	22-16	<b>14-01</b>	<b>15-23</b>	16-22	17-22	20-21
Reunion Is – FR/F1FRJ, FT8	05 Mar – 15 May	91	<b>00-02</b>	<b>23-03</b>	NO	23-00	NO	NO	NO	NO
Spradly Is – 9M0W by 19-op team, all modes	06 to 13 March	337	<b>1100</b>	<b>11-12</b>	NO	1300	NO	NO	NO	NO
Benin – TY7C, team operation, all modes	07 to 18 March	85	<b>23-07</b>	<b>21-08</b>	20-09	<b>13-00</b>	15-22	17-20	18-20	NO
Palau – T88XH by JA0EKL, all modes	08 to 14 March	307	<b>09-12</b>	<b>08-13</b>	08-14	<b>15-16</b>	15-17	2200	NO	NO
Macau – XX9B by 13-op team, all modes	09 to 17 March	341	<b>1100</b>	<b>11-12</b>	NO	NO	NO	NO	NO	NO
Congo – TN5R by 11-op team, all modes	09 to 19 March	88	<b>23-06</b>	<b>21-07</b>	20-08	<b>17-23</b>	15-21	14-22	NO	NO
Mauritius – 3B8XF by G3TXF	10 to 11 March	88	<b>23-02</b>	<b>22-03</b>	23-02	21-00	NO	NO	NO	NO
French Polynesia – TX5X by 2-op team, **	10 to 17 March	243	<b>03-12</b>	<b>02-14</b>	01-15	<b>16-01</b>	<b>17-23</b>	18-22	18-22	NO
Solomon Is – H44YM by VA7YM, SSB/digi	13 to 17 March	275	<b>07-12</b>	<b>06-13</b>	06-14	13-16	NO	NO	NO	NO
Philippines – DU1/SP5APW, ++	13 to 18 March	327	–	<b>10-12</b>	–	13-15	15-16	–	–	–
Cameroon – TJ??? by team (approx. dates)	15 to 31 March	83	<b>23-06</b>	<b>22-07</b>	21-08	<b>17-00</b>	17-22	15-22	NO	NO
Galapagos – HC8?? by 4Z1JJ/W4LJJ, ++, FT8	19 to 26 March	196	–	<b>12-09</b>	00-24	<b>13-01</b>	–	–	–	–
Malawi – 7Q7EI by 14-op team, all modes	21 Mar – 03 Apr	90	<b>23-04</b>	<b>22-05</b>	23-04	20-01	NO	NO	NO	NO
Cambodia – XU7AEY by 6-op team, ++	22 to 26 March	349	–	No	Openings	Fore-cast	–	–	–	–
Burkina Faso – XT2MAX by DK1MAX, holi	23 Mar – 02 Apr	83	<b>23-07</b>	<b>21-08</b>	20-09	<b>15-00</b>	16-22	16-22	NO	NO
Mauritius – 3B8MM by DL6UAA, **, digi	27 Mar – 11 Apr	88	–	<b>22-03</b>	23-02	21-00	NO	NO	NO	NO

Updated 26 February based on 26 February *The Weekly DX*, <https://dx-world.net/> and <http://www.ng3k.com>

**Notes:** Time in bold = the 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. Solar Flux and K-index varied by dates in accordance with the NOAA SWPC 27-day Space Weather Outlook Table and USAF 45 Day AP Forecast.

**-- FEBRUARY SOLAR ACTIVITY --**



(From DX-world.net)

**-- MARCH FORECAST --**

Solar activity is expected to be very low throughout the month of March.

No proton events are expected at geosynchronous orbit.

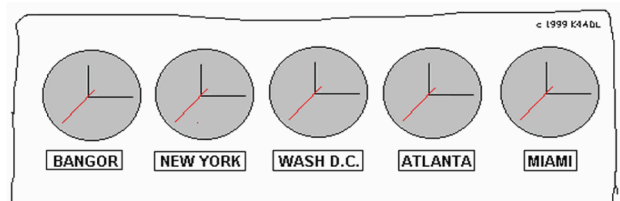
The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at high levels on 18-24 Mar due to elevated wind speeds from multiple coronal holes. Moderate levels are anticipated on 15 Mar and the remainder of the month is expected to be at normal levels.

Geomagnetic field activity is expected to reach G1 (Minor) geomagnetic storm levels on 18 and 25 Mar. Active levels are expected on 14 Mar, 16-17 Mar, 21-22 Mar and 26 Mar. Unsettled levels are expected on 15 Mar and 23-24 Mar. Quiet conditions are expected for the remainder of the month. All elevations in geomagnetic activity are anticipated due to multiple, recurrent CH HSSs.

The 10.7 cm Solar Flux should range from 68 to 78, and average 73.5 during March.

(From NOAA Weekly Highlights and Forecasts, 26 February 2018, NOAA 27-day Space Weather Outlook Table, 26 Feb 2018, and 45 Day AP Forecast, USAF, 26 Feb 2018.)

**The K4ADL KArtoon Korner**



WORLD TIME CLOCKS FOR THE INTERNATIONALLY CHALLENGED

## Grid s by Frank, W2XYZ



This month we'll look at something different—grid squares. Grid squares have absolutely nothing to do with inserting a square wire mesh between the cathode and plate of a vacuum tube. In fact it has more to do with geography and mathematics than it does with electronics. So why the heck talk about mathematics and geography in an article for an amateur radio newsletter?

The primary reason I'm telling you about grid squares is, just in case such a question comes up on *Jeopardy*; so you can shout out the answer and impress your spouse with how smart you are. The secondary reason is because the ARRL is running a year-long event called *International Grid Chase*. The tertiary reason for writing to you about this involves national security and if I told you the reason, the FCC would have to revoke your license.

Several years ago, VHFers/UHFers were looking for a way to identify areas of the world to which they have established a QSO. Much in the same way HF DXers count countries/entities. For someone relying mostly on groundwave, occasional tropo bending, and maybe sporadically some sporadic E propagation—earning a DXCC award might take a verrrry long time.

A VHF Working Group that met in The Hague in 1959 devised a system called the "QRA Locator System." Basically it broke-up most of Europe into four characters of two letters and two numbers. The system worked well, but only for Europe. It didn't include the US or the rest of the world for that matter.

Another VHF Working Group met in Maidenhead England, in 1980. This group received 20 different proposals for replacing the QRA Locator System and the system devised by Dr. John Morris, G4ANB, was deemed to be the best. At the 1999 IARU Conference in Lillehammer, it was

decided that the latitude and longitude to be used as a reference for the determining of locators should be based on the World Geodetic System 984 (WGS-84).

The first thing you need to know about grid squares is...they are not square. The way the Maidenhead Grid Square system works is the world is divided into 18 zones, where each zone is 20 degrees of longitude and another 18 zones, where each zone is 10 degrees of latitude. Letters A through R are used to indicate the zone. The first character in the grid square is a letter representing the longitude, the second character is a letter representing the latitude.

To avoid negative numbers in the input data, the system specifies that latitude is measured from the South Pole to the North Pole, and longitude measured eastward from the antemeridian (180°) of Greenwich, giving the Prime Meridian a false easting of 180° and the equator a false northing of 90°. The third and fourth characters in a grid square are numbers. These numbers are the longitude zone or latitude zone divided by ten.

The Maidenhead Grid Square for our area is EL87. E is the fifth letter of the alphabet and happens to be the first character in our grid square. Counting by 20's, eastwardly from the antemeridian of 180°, we can tell that EL87 is somewhere in the 100°-80° longitude zone. The letter L is our second character and happens to be the 12<sup>th</sup> letter of the alphabet. 12 times 10° is 120°, meaning we are 110°-120° above the South Pole. The equator is 90° above the South Pole and with our North/South lat/long convention, we say the equator is 0°. That means EL87 is in a zone 20°-30° above the equator.

We currently use a mapping system that divides the world into 180° west of the **Con't >>>>**

## W2XYZ - continued

meridian (0°), which passes through Greenwich England, and 180° east of the meridian. We also calculate latitude with 90° north of the equator and 90° south of the equator. This puts our location in EL87 somewhere between 80°-100° West of Greenwich and 20°-30° north of the equator. The third character of the grid square is showing how many tenths of 20° longitude and the fourth characters shows how many tenths of 10° latitude. Using all four characters of our grid square shows a zone of 2° of longitude wide and 1° of latitude high (see, I told you it wasn't square). We can now determine our location is between 82°-84° W longitude and 27°-28° N latitude.

You ask, how big is 2° longitude and 1° latitude? Well that depends where you are. Lines of latitude are equal distances apart. 1° latitude is for all practical purposes is 69 miles. Longitude is different because lines of longitude are widest at the equator and narrowest at the poles. The width between two lines of longitude are the cosine of the latitude. Knowing ELxx is between 20° and 30° latitude, we'll use 25° as the middle. The cosine of 25 = .906 .906 X 69 miles = 62.5 miles.

Our major grid square measures 69 miles vertically and 125 (62.5X2) miles horizontally. Refining it to our grid of EL87 is a grid 6.9 mile high and 12.5 miles wide.

In case you like to watch *Seinfeld* instead of *Jeopardy*, this information can still be of some use to you. The *International Grid Chase* runs all year long with monthly place-standings on its leaderboard. You can compete against others for higher scores or just against yourself to measure whether you did better this month than you did the last.

Details are on the ARRL website at <http://www.arrl.org/international-grid-chase-2018> To find Maidenhead grid squares of other locations, knowing the lat and lon, you can calculate them out the hard way as done above, OR, go to [http://www.levinecentral.com/ham/grid\\_square.php](http://www.levinecentral.com/ham/grid_square.php) and let the computer figure it out for you. Here's a hint: The digital mode FT8 is ideal for the *International Grid Chase*.

73, Frank Wroblewski, W2XYZ



## Robert E. Murphy

### WA1UHG.....Silent Key

"CQ CQ CQ....CQ CQ CQ this is the Tamiami Amateur Radio Club 2-meter net. My call is WA1UH-and-a-G. Suffixes Alpha through Hotel come now..." Anyone who routinely checked into the two meter net on Thursdays a few years back may remember Bob Murphy conducting the net in his own inimitable fashion. Bob passed away on January 30, 2018. He was 90 years old, and a long-time member of TARC. We will miss his WA1UH-and-a-G.

# Antennas Us



Top left— the down crew meets to lower SK N4MXQ's antenna and transfer it to N1RA's station location. Bob lost his vertical to high winds.

Top center— XYL Jane gives her stamp of approval.

Top right—on its way down!



Left above—Big Ed supervises the mast removal.

Right—Back in the air ready for N1RA QSOs.

Left—The UP crew.

Bottom—K0AL's 80M element awaits his attention.



# Seen at Orlando Hamcation

Joe, W1XXV, twin, Jim, KJ4ND0, and Tom, W4IEE have had enough. Now, if we could just find our car, we would head for home.



Al, K0AL, and Jack Kovar, K0VAR prep Al's ford to follow Musk's Tesla into space.

Ready for launch under the watchful eye of Phil, K9PJ, and NASA's Frank, W2XYZ.





# March Hamfests



## Peace River Radio Assoc.

\*\*\*\*\* W4DUX \*\*\*\*\*

Presents the

Charlotte County



### HAMFEST



Sunday March 11<sup>th</sup>, 2018

Doors open at 8 AM

The Punta Gorda Boat Club  
802 West Retta Esplanade

Punta Gorda, FL

(1 block North of West Marion) on the Harbor shore  
3 blocks East of Fisherman's Village

Coffee & Soft drinks Available

Hourly Prize drawings 50/50 raffle at 2PM  
Must be present at hourly drawings to receive prize

General Admission \$5 Standard Tailgating space No Additional Charge Indoor tables \$10

Contact Dave Beck prior to event to reserve your commercial table or visiting club table!  
WB4GVZ A1steel@verizon.net

NEED more info? Visit our website: [www.PRRA.club](http://www.PRRA.club)

Or Contact : Dave WB4GVZ A1steel@verizon.net

Peace River Radio Assoc—Events

Talk in: 147.255+ and DMR 442.925+

**Gulf Coast Amateur Radio Club**

**SPRING HAMFEST**

MILLENNIUM ACADEMY  
10500 RIDGE ROAD  
NEW PORT RICHEY, FL 34652  
MARCH 17TH 2018  
Saturday 7:00am to 1:00pm  
VE Testing @ 9:00am

Admission \$6  
includes a Tailgate spot  
for more info  
<http://gulfcoastarc.org>  
Talk in 146.670

find us on [facebook](#) follow us [twitter](#)

HAM FEST \* VE TESTING \* REFRESHMENTS \* FREE TAIL GATE SPACE \* HAMFEST

HAM FEST \* VE TESTING \* DOOR PRIZES \* REFRESHMENTS \* FREE TAIL GATE SPACE \* HAMFEST



THIS WAS THE BEST HAM FEST, LOOK AT THESE GREAT BUYS. COULD YOU STORE THEM FOR ME TILL MY WIFE IS OUT OF TOWN ?

*This article appeared in the February, 2018 issue of T&D World (tdworld.com). PPL Corporation was your editor's employer for over thirty-three years. This kind of news seems to get little coverage. I include it here as an adjunct to stories of ham radio emergency operations there.*

*de, San, K3SY*

## PPL Crews Leave on Puerto Rico Power Restoration Mission

▶▶ On Jan. 25, PPL Electric Utilities employees packed their hard hats and work boots and boarded a flight to Puerto Rico to help restore power on the hurricane-battered island. The line workers and support personnel from throughout the PPL service territory are joining a small army of utility workers from other companies around the country. Their goal is to help turn the lights back on for an estimated 1.2 million people who have been without power since September.

The employees, all volunteers, have signed on for 30 days. Afterward, they will rotate home and, if needed, will be replaced by another group. "This is a massive power restoration effort all converging on the island," said Field Manager Chris Gonzalez of Stroudsburg, Pennsylvania, who will lead the PPL team. "We're eager to do our part to help the people who have suffered for so long."

Many of those on the PPL team are leaving their families behind for an extended



trip to work under difficult conditions in the island's mountains. He said the group is up for the challenge. "This is what line workers do," he said. "It's what makes us tick. We know it's difficult to be without power and that people are depending on us to help fix that."

Twenty-five PPL line trucks and other vehicles were shipped to Puerto Rico from two ports — Norfolk, Virginia, and Lake Charles, Louisiana. PPL planners and logistics specialists have worked for the past month to accomplish the move and arrange all the details needed to transfer 37 people and tons of equipment to a place not accessible by land.

PPL is one of 18 electric utilities from around the nation sending crews in an effort being coordinated by the Edison Electric Institute. Sending repair crews to hard-hit areas in other parts of the country is a normal part of utility mutual aid. There are plenty of line repair personnel staying behind to handle any outages in PPL's territory.

"The credit really goes to this team of people who are willing to drop everything and be away from their families for a month straight," said Gonzalez. "People in Puerto Rico need us, and we're going to be there for them."

# March 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		* Peaches opens at 6:00 AM, orders taken at 7:00.		1 TARC net @ 7:30 PM W4AC / RPT 146.805 **	2 Breakfast @ Peaches *	3 <b>Shark's Tooth 10K race.</b>
4	5 QCWA 11:30 AM Denny's on Bee Ridge	6 Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1	7	8 TARC net @ 7:30 PM W4AC / RPT 146.805 **	9 Breakfast @ Peaches *	10 <b>TARC VE Session @ Jacaranda Public Library 10:00 AM</b>
11	12 DARN Emergency net @ 11AM Starts on NI4CE/RPT 145.43 pl100	13 Breakfast @ Peaches *	14 <b><u>TARC meeting @ Coast Guard Training Center 7:00 PM</u></b>	15 TARC net @ 7:30 PM W4AC / RPT 146.805 **	16 Breakfast @ Peaches *	17
18	19	20 Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1	21	22 TARC net @ 7:30 PM W4AC / RPT 146.805 **	23 Breakfast @ Peaches *	24
25	26	27 Breakfast @ Peaches * DMR net @ 7:30 PM W4AC 444.1	28	29	30 Breakfast @ Peaches *	31

\*\*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**

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<b>Dues:</b>	
Regular member	\$20.00/yr.
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After 10/31	\$20.00 thru next yr.
Family Membership	\$25.00/yr
Non Voting Student	\$5.00/yr
New licensee - first year free.	

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