



THE COMMUNICATOR

Newsletter of the TAMAMI AMATEUR RADIO CLUB

Incorporated 30 November 1984 – Venice, Florida
Mailing Address: P. O. Box 976, Nokomis, FL 34274
W4AC Repeaters – 444.100 MHz(DMR) & 146.805 MHz(-) both w/100 Hz PL
Web Site – <http://tamiamiarc.org>



-- OCTOBER 2016 --

-- PRESIDENT'S MESSAGE --

Summer is over and the snowbirds are beginning to migrate back to Florida for the winter. That includes many members of our radio club, including myself. It's a good time to start thinking about what we should be doing to make our club interesting to be part of and to attract new members.

There are several ways we can make a contribution to our community and to our hobby. We have a running start with our monthly Volunteer Examiners (VE) Amateur Radio testing program, our monitoring of the Sharks Tooth 10K race and our K4S Special Event Station operation. We can also increase our participation in the TARC nets on Tuesday and Thursday evenings and in the monthly DARN emergency drill.

What else can we do? A few ideas for discussion would be 1) Help the local Boy and Girl Scouts achieve their electronics badge and perhaps a ham radio license. 2) Be more active supporting the local High school ham radio program and perhaps help establish radio clubs at some of the local junior high schools. 3) Putting together an electronics introductory course for our community with a goal of getting more people interested in the hobby. 4) Activate the local Boca Grande lighthouse or the DeSoto National Park as an operating activity. 5) Participate in Field Day or any of the various contests that are on several times every month. So please think about some activity that you would be interested in participating in and we can discuss, plan and select some activities at the next TARC meeting.

I would like to thank our Vice-President Gary Hagens-K6OC, for chairing our monthly TARC meetings in my absence and all the officers and board members who support and help manage the club activities. Special thanks to Jack Sproat-W4JS, for writing and publishing the monthly TARC Communicator newsletter for the last 17, or so, years.

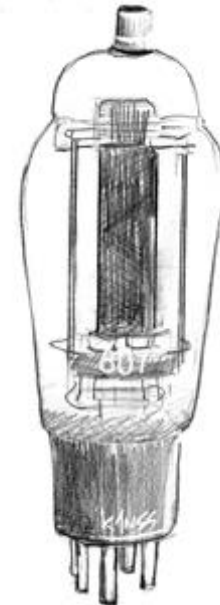
VY 73 to All de Andy-KB1HIP

"To achieve a great goal, one must begin with a small achievement."

-- OCTOBER MEETING --

Our meeting will start at **7:00 PM** on Wednesday, **12 October 2016** at the Coast Guard Auxiliary Training Center, 1200 South Harbor Drive. Tom Palmisano-W9AEB will discuss the use of the DMR mode.

-- THE COOL 807 --



The **807** is a beam tetrode vacuum tube, widely used in audio- and radio-frequency power amplifier applications. The plate voltage limit is 750 volts and the screen grid limited to 300 volts.

The 1625 is an 807 variant with a 12.6 V heater and a 7-pin base. These tubes were used as RF power amplifiers in some of the SCR-274 and AN/ARC-5 "command set" transmitters of WW2. Postwar, 1625 tubes flooded the surplus market, and were available for pennies apiece. Surplus 1625s found some commercial use, notably the use of a pair as modulator tubes in the Heathkit DX-100 amateur transmitter.

However, a "cool 807" had little to do with electronics. Rather, in **ham radio jargon**, it referred to a cold bottle of beer.

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**Tamiami Amateur Radio Club
Minutes of the Meeting
14 September 2016**

Vice- President Gary Hagens-K6OC called the meeting to order at 7:02 PM with a flag pledge. Introductions were then made all around.

MINUTES – Gary requested a motion to accept the minutes of the 10 August meeting as published in the September issue of *The Communicator*. The motion was made, seconded, and passed.

CORRESPONDENCE – None

TREASURER'S REPORT – Treasurer San Yoder-K3SY reported from vacation status that there was no change in the Club finances this month and that the treasury balance was \$5,209.07.

COMMITTEE REPORTS

SUNSHINE – Gary stated that Ed Clark-K8ZM is still in cardiac rehabilitation and getting better.

VE TESTING – Gary reported that two candidates were at the 10 September VE session. One passed the Technician exam and one upgraded to General.

REPEATER/TECHNICAL – The 146.805 repeater is operating OK, but the 444.100 digital machine had some difficulty 13 September. Stew Haag-W4MO attended to the problem and that repeater is again operating.

PUBLICITY/MEMBERSHIP – San reported no changes in membership during the past month. Gary proposed that any club member who invited a ham or other interested person to our meetings receive an extra ticket for the 50-50 drawing. Glenn Hyde-N4MXQ so moved, seconded by Bob Avrutik-N1RA, and passed.

NET OPERATIONS – Gary commented that both the Tuesday and Thursday nets are attracting only about four stations.

LIAISON TO QCWA – Gary reported there were 12 Suncoast Chapter 53 members and spouses at the 07 September lunch at the Hibachi Grill Buffet in the Bird Bay Plaza. The next meeting will begin the 2016-2017 season and will be held 05 October at Denny's on Bee ridge Road in Sarasota. Any and all are welcome to join us the first Wednesday of each month around 11 AM.

OLD BUSINESS – Gary advised that the next DARN net will be on 17 October as the 10th of October is a holiday. Gary invited anyone interested to check in. The vote for TARC Directors and Chairman of the Repeater Committee will be held during the October meeting.

NEW BUSINESS – Gary discussed potential Club participation in Field Day. TARC has not participated in Field Day for a dozen years or so. Gary requested that members think about such participation as an operating challenge for both the Club and club members.

COMMENTS FROM THE FLOOR – A discussion was initiated about the small type used on the TARC Membership List. The general consensus was that the List is very hard to read and some members said that they just could not read it. All agreed that the solution would be larger type. The matter will be discussed during the October meeting.

ADJOURNMENT – A motion to adjourn was made by Bob Avrutik-N1RA at 7:30, seconded by Glenn Hyde-N4MXQ, and passed. There were only eight members and two visitors present.

PROGRAM – Jim Shortill-KJ4NDO initiated the "Tips and Tricks" portion of the meeting. He explained that one time he had a problem connecting the awkwardly placed broken wires of a roof antenna. While searching for a simple solution, he found a Raychem Heat-Shrink UF Splice Kit. Although intended for an entirely different use, the kit contained a plastic holder that held four brass collets, each having set screws at each end of the collet. As the set screws went through the collet, it was clear that each end of the broken antenna wire could be inserted into the collet and locked in place with the set screws. Heat shrink and electrical tape completed the repair. The collet could also be filled with solder for absolute connectivity. Jim passed around samples of the kit and the collets.

Jim Shortill-KJ4NDO
Secretary

-- A REMINDER, ONCE AGAIN --

On page 4 of the July issue of *The Communicator*, your editor advised that the December 2016 issue will be his final contribution to the TARC. This is just a reminder that, if the Club wants to have a newsletter after the end of this year, it would be wise to get someone interested in taking over preparation of a newsletter for the Club. Whether or not they wish to follow the current format or strike out in a new direction will be up to the successor. However, it's best that some thought be given to this matter, as time is getting shorter.

73, Jack-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
Pitcairn Is – VP6AH by DL2AH, ++, digital	Now to 25 Nov	226	--	01-13	00-14	15-00	17-21	17-21	17-21	NO
Lesotho – 7P8VA by K7TRB, digital & SSB	Now to 05 Nov	110	23-04	21-06	20-06	18-21	17-20	15-20	17-18	NO
Norfolk Is – VK9NZ by 4-op team, all modes	Now to 15 Oct	250	06-12	05-14	04-14	01-15	23-02	23-01	21-00	NO
Kenya – 5Z4/IW5BBV	Now to 10 Oct	76	--	22-04	--	20-00	20-00	20-00	--	NO
Seychelles – S79KB by DL2SBY, all modes	Now to 08 Oct	68	--	22-03	22-02	21-00	21-00	22-23	NO	NO
Canary Is – EA8/PH2M, ++	Now to 06 Oct	72	--	20-10	17-02	14-21	16-21	16-21	NO	NO
Isle of Man – MD/home calls, 6 German ops	Now to 04 Oct	41	22-08	20-11	19-12	14-19	14-20	16-17	NO	NO
Solomon Is – H44GC by 2-op team, all mode	Now to 03 Oct	275	07-12	06-13	05-14	13-16	14-15	20-01	20-22	NO
Tonga – A35JP/p by JA0RQV, CW & SSB	01 to 04 Oct	253	05-12	04-14	03-14	00-14	18-00	19-22	19-22	20-21
Lord Howe Is – VK9LX by W1RSD	01 to 08 Oct	249	07-12	05-14	05-14	02-13	01-02	00-01	0000	NO
Maldives – 8Q7MD by IS1MHY, SB & digi	02 to 12 Oct	41	23-01	23-02	NO	22-01	21-22	2100	NO	NO
Seychelles – S79PA by R2DG, al modes	02 to 12 Oct	68	23-02	22-03	23-02	21-00	21-00	2300	NO	NO
Malta – 9H3LH by 6-op team all modes	04 to 09 Oct	55	22-06	20-09	--	13-19	--	14-18	--	NO
Tuvalu – T2J by 2-op team, all modes	04 to 10 Oct	267	05-12	04-13	03-15	23-01	18-23	19-22	19-22	20
Temotu – H40GC by LZ1GC, all modes	04 to 17 Oct	270	06-12	05-13	04-14	12-15	00-01	22-01	20-22	NO
Central Kiribati – T31T by 3-op team	04 to 30 Oct	267	04-12	03-14	02-15	17-01	18-22	19-21	19-21	NO
Sao Tome & Principe – S9YY by 6-op team	08 to 23 Oct	90	22-06	21-07	20-08	16-23	16-20	16-20	16-19	NO
French Polynesia – FO/DF1YP; SSB, RTTY	10 Oct to 02 Nov	243	--	--	--	16-00	17-22	17-21	--	--
Fiji – 3D2GG by 2-op team, all modes	11 to 13 Oct	258	05-12	04-14	04-13	12-15	0100	NO	NO	NO
Burkina Faso – XT2AW by DF2WO, CW/dig	13 Oct to 20 Nov	83	22-07	20-08	19-09	13-22	15-20	16-19	17-18	NO
Easter Is – CE0Y/JA0JHQ, **	14 to 17 Oct	208	--	23-13	22-14	13-00	15-23	16-21	17-21	18-21
Lesotho – 7P8AO by HA5AO, **	15 to 29 Oct	110	22-04	21-05	20-08	18-22	16-20	15-21	17-19	NO
Micronesia – V6Z by 2-op team, CW & SSB	17 Oct to 01 Nov	293	07-12	06-14	06-14	13-16	14-16	14-15	NO	NO
Solomon Is – H44GC by LZ1GC, all modes	18 to 21 Oct	275	07-12	06-13	05-14	13-16	1500	0030	20-22	NO
St Helena – ZD7VDE by G0VDE, ++ & digi	18 to 30 Oct	110	22-07	20-08	19-10	12-23	14-20	15-20	15-20	1900
Ghana – 9G5AM by 3-op team, all modes	19 to 26 Oct	87	22-06	20-08	19-09	13-22	15-20	16-19	16-19	NO
Vietnam – 3W2R by 5-op team, all modes	20 to 28 Oct	348			No	Open	ings	Fore	cast	
Vietnam – 3W2DK by N00DK, ++	20 Oct to 05 Nov	348			No	Open	ings	Fore	cast	
Tanzania – 5H3DX by NK8O, **	20 Oct to 12 Nov	83	--	--	--	19-22	19-21	19-21	1900	NO
Fiji – 3D2YA by 2-op team, **	21 to 25 Oct	258	--	04-14	04-14	12-15	0000	NO	NO	NO
Chatham Is – ZL7G by 7-op team, ** & RTY	26 Oct to 09 Nov	230	05-12	04-13	03-13	01-09	23-01	2300	NO	NO

Updated 28 September 2016 based on the 26 September 2016 *The Weekly DX*, the 28 September *QRZ DX* 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 date in accordance with the NOAA SWPC 27-day Space Weather Outlook Table and USAF 45 Day AP Forecast.

-- SEPTEMBER SOLAR ACTIVITY --

During September, the 10.7 cm Solar Flux ranged from 80 to 99, with a mean value of 87.6 (vs. 102.1 for September 2015 and 146.2 for September 2014), and the A_p index was ≥ 7 on 19 days. Through 29 September, the sunspot number ranged from 12 to 66, with a mean of 39.3.

Solar activity through to 29 September was quiet with only eight C-class flares. Geomagnetic disturbances, however, caused the A_p to range from 39 to 80 between the 1st and the 5th, and from 39 to 67 between the 26th and 29th of September.

-- OCTOBER FORECAST --

Solar activity is expected to be at very low levels throughout the period with a chance for C-class flare activity.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be very high on 02 Oct with high levels expected on 01 Oct, 03-11 Oct, and 18 Oct following periods of an en-

hanced solar wind environment associated with coronal hole high speed stream influence. Normal and normal to moderate flux levels are expected throughout the remainder of the period.

Geomagnetic field activity is likely to reach G-2 (Moderate) storm levels 26-26 Oct and G1 (Minor) storm levels on 01-02 Oct, 17 Oct and 28-29 Oct due to the anticipated influence of multiple, recurrent coronal hole high speed solar wind streams. Active conditions are expected on 18 Oct, 23-24 Oct and 30-31 Oct with generally quiet and quiet to unsettled conditions likely throughout the remainder of the month.

The 10.7 cm Solar Flux should range from 80 to 95 and average 86.6 during October.

(From *NOAA Weekly Highlights and Forecasts*, 26 September 2016, *NOAA 27-day Space Weather Outlook Table*, 26 September 2016, and *45 Day AP Forecast*, USAF, 26 September 2016.)

-- COWS OVER THE WORLD NOW QRT --

Thieves stole everything, including his clothes, from Tom Callas-KC0W in Kiribati, ending his one-man DXpedition. Sad but true!

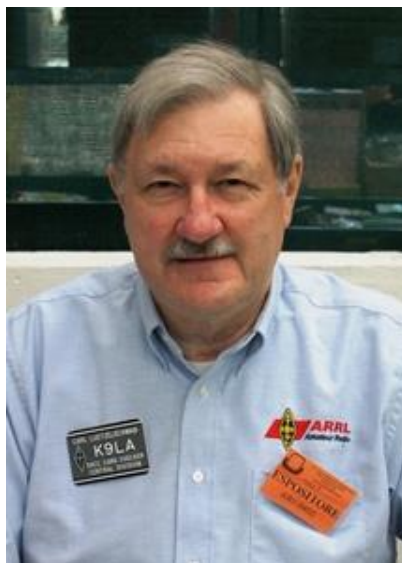
-- SHORTER SOLAR CYCLES FORECAST --

Propagation guru Carl Luetzelschwab, K9LA, says that, while conditions on 12 and 10 meters will pick up as they always do in the fall, F₂ propagation on those bands will decline thereafter, with only sporadic E during the summer months as a possible saving grace. On the other hand, the lower bands -- 160, 80, and 40 meters -- should be good going forward, and 20 and 17 meters will be the mainstays of daylight HF propagation. Luetzelschwab offered these observations during an August 23 World Wide Radio Operators Foundation ([WWROF](#))-sponsored [webinar](#) "Solar Topics -- Where We're Headed." He said data suggest that Solar Cycle 24, the current solar cycle, will bottom out in 2020, and he advised that radio amateurs may need to lower their expectations on the higher bands (and 6 meters) looking beyond that.

"I think the only conclusion we can make with some confidence is that we are headed for some small cycles," he told his audience. He cited various evidence related to the Sun's polar fields -- which appear to be decreasing in strength, A-index trends, and cosmic ray data to support his assertion. Luetzelschwab cautioned, however, that past performance does not necessarily predict future performance.

"There seems to be a good correlation between how long a solar minimum is and the next solar cycle," said Luetzelschwab. "The longer you spend at solar minimum, the smaller the next cycle."

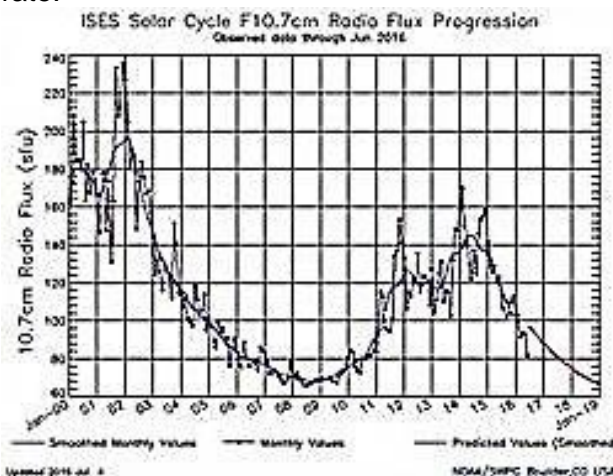
He observed that hams active since the 1950s and 1960s have experienced short inter-cycle solar minimums of approximately 2 years, until the one between Solar Cycle 23 and Solar Cycle 24, which lasted about 4 years. He also allowed that the science is not fully understood, and that some things appearing to be patterns may just be coincidences.



Carl Luetzelschwab, K9LA.

On the other hand, he said, it looks like the downward trend of disappearing sunspots has leveled off, suggesting that Solar Cycle 25 may see a lower smoothed sunspot number as opposed to zero or near-zero sunspots.

Counting those sunspots can be a subjective business. "That's a tough job," he said of the task, noting that it appears observer bias also has been a factor over the years, affecting historical sunspot data. "We now have new corrected data that are believed to be more accurate."



A chart of 10.7 centimeter solar flux from 2000 to 2016. [NOAA Space Weather Prediction Center graphic]

Luetzelschwab's article "The New Sunspot Numbers," appearing in the October issue of QST, discusses the new sunspot numbers.

Luetzelschwab cited historical sunspot cycle data going back centuries -- including the "Maunder Minimum" of zero and near-zero sunspots between the years 1645 and 1715 and a later, less-drastring "Dalton Minimum." He pointed out that over the last 11,000 years, 19 notable grand maximums -- including Solar Cycle 19 and the cycles around it -- and 27 notable grand minimums were recorded. "We're likely to have more of both grand maximums and grand minimums in the future," he predicted. The current system of numbering sunspot cycles begins with Solar Cycle 1 in the mid-18th century.

"We don't fully understand the process inside the Sun that makes solar cycles," Luetzelschwab said. "Thus, you should exercise caution with statements seen in the news."

(From *The ARRL Letter*, 15 September 2016)

"How much deeper would the ocean be without sponges?"

-- MEMBERS' STATIONS --

Two of our members are proud to show off their home stations.



Bob Avrutik-N1RA does wonders with his compact, efficient station that is literally in a closet. The Yaesu/Alpha combination has paid off well for Bob.



Glenn Hyde-N4MXQ just rebuilt his station and is proud of the results. Now let's bounce some signals off the sky, Glenn!

-- THE WISDOM OF WILL ROGERS --

"We will never have true civilization until we have learned to recognize the rights of others."

"The quickest way to double your money is to fold it over and put it back in your pocket."

-- WHITHER THOU GOEST HAM RADIO? --

(The September issue of Western Horseman has an article "Fateful Introduction" which seems quite apropos to Amateur Radio in today's USA.)

Some decades ago, at age 20 and on his first serious horsepacking trip, Ben Masters met an experienced all-around cowboy, trainer, bare-back rider, ex-Army officer, packer, horse trader, etc. named Val Geissler. Val has now lived 77 years in the American West, having experiences that won't likely ever be lived again. Gone are the days of using staked horses to catch wild Mustangs off the range. Cattle drives covering hundreds of miles are nearly nonexistent. Val has seen considerable change—some of it good, some of it bad. With that change comes new generations and different methods. As a result, many old techniques and practices get modified or disappear, and a lot of age-old skills vanish when old-time cowboys and seasoned packers pass away.

Val isn't just a skilled old packer and horse hand. He is a relic of a past era and an encyclopedia of knowledge that is extremely difficult to pass on. It's hard to learn to tie a double diamond hitch by looking at a book; it's much easier to grasp the skill when someone teaches it to you in person.

Amateur Radio today in the USA is following an identical route. Getting on HF as soon as possible after receiving your license used to be the primary goal of every new ham. The rig and antenna were ready and waiting, as you anxiously awaited your license to arrive in the mail. Buddying up to an Old Timer to gain experience and operating skill went hand in hand with that new ticket. Bragging of what new or exotic DX you had worked was an important topic for discussion between hams.

Alas, those are also "relics of a past era." Too many of today's hams are content to just carry their Chinese HT and smart phone in their pocket. Too many have no interest in HF operation, let alone becoming skilled in the various modes used on HF. They can gain knowledge from a book, but it takes hands on experience to gain skills. Yet the Old Timers are seldom asked for such guidance—and it does show on the bands.

Like the experienced cowboys and packers of the West, the Old Timers in ham radio are also passing from the scene, and nobody is taking their place. Sadly, so goest 21st Century Amateur Radio in the USA.

-- OUTGOING QSL RATE INCREASE --

Although ARRL believes it's important to maintain the long-standing tradition of the [ARRL Outgoing QSL Service](#) as a membership benefit, increased administration costs will require an increase in rates, in order to keep the Service available and viable.

"The Service has been a member benefit for decades," an ARRL statement said. "Since its official formation in November 1976, tens of millions of QSL cards have been shipped from ARRL Headquarters to Amateur Radio QSL bureaus of other national societies worldwide. At one time, this benefit offered a safe, reliable, and inexpensive way to exchange QSL cards for a fraction of the cost of the postal service. What Amateurs saved in financial cost, however, was made up for in time; it could take months, or even years, to send and receive a QSL through the bureau."

Effective November 1, the rate for 1 ounce of outgoing QSLs via the Service will increase to match the 1 ounce USPS international postage rate. As of September 2016, this rate is \$1.15 per ounce — about 10 cards. An additional service fee of \$7 will be charged per individual transaction, to cover administrative costs.

ARRL said QSLing is very different now, and, while postal services are generally more reliable than in years past, international shipping costs have risen significantly. "With the advent of the Internet and online QSL confirmation services such as ARRL's Logbook of The World, fewer and fewer paper cards are being exchanged," the ARRL statement observed.

Calling the Outgoing QSL Service "a significant tradition in the world of Amateur Radio," the League said it's committed to keeping that tradition and service alive for members who enjoy using it. "We are committed to ensuring our members will be able to send their QSL cards through the Service for decades to come," the ARRL statement concluded.

(<http://www.arrl.org/news/arrl-outgoing-qsl-service-to-raise-rates> , 22 September 2016)

The foregoing strikes a nerve with your editor. The ARRL was a late comer to offering outgoing QSL service, as the national organizations in most other nations provided this service automatically, and at no additional cost, to their members. Today can obtain QSLs with the bureau system via the OQRS entity at no cost. OK, so ARRL kicks up the current price of 80 cents/ounce to the USPS rate of \$1.15/ounce. But why the \$7 flat "service fee"? Some Little

Pistol sending off 10 cards gets hit with an \$8.15 charge! He's better off sending those cards on his own to the various DX bureaus.

Is this another effort by the ARRL to get more subscribers to its LoTW system? LoTW supposedly has some 60,000 users, and we know a lot of them are overseas DXers. Factor them out, and perhaps the percentage of US users is pretty low. As usual, the ARRL is looking for money—one way or other.

-- FCC OFFICE CLOSINGS --

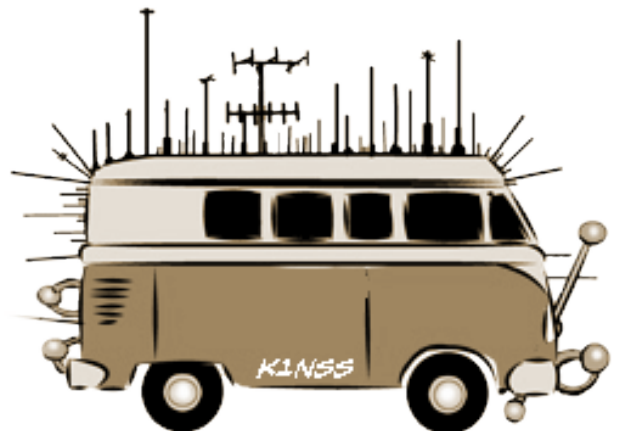
The FCC announced in July 2015 it was closing the offices and trimming up to 44 positions to better reflect technological advances and in the face of budget reductions. The modernization plan creates rapid response teams to handle special enforcement issues. The FCC says the so-called Tiger Teams, based out of Columbia, Md., and Denver, will be dispatched within 24 hours of an interference crisis.

The FCC will begin closing field offices in January 2017. Offices in Anchorage, Alaska, Buffalo, N.Y., Detroit, Houston, Kansas City, MO., Norfolk, Va., Philadelphia, San Diego, San Juan, Puerto Rico, Seattle, and **Tampa, Fla.** will be closed as part of the agency's modernization plan.

FCC field offices will remain open in Atlanta, Boston, Chicago, Columbia, Md., Dallas, Denver, Honolulu, Los Angeles, Miami, New Orleans, New York, Portland, Ore., and San Francisco.

(From <http://www.radioworld.com>, 26/08/16)

-- BRINGS BACK MEMORIES --



A few years back a married couple belonged to the TARC, and they were active, especially on 2 meters. They had a van which was loaded down with radio equipment. Most weekends, they would be at the Dome Flea Market, showing off their radios. (ClipArt by K1NSS)

October 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4 Breakfast @ Peach's, Exclusive DMR Net 7:30 PM, W4AC 444.100	5 QCWA, 11:15 @ Hibachi Grill Buffet, Bird Bay Plaza, US 41 Bypass, Venice	6 TARC Net @ 7:30 PM, W4AC Repeater 146.805	7 Breakfast @ Peach's, Orders taken at 7:00 AM	8 TARC VE Session 10 AM Jacaranda Public Library
9	10	11 Breakfast @ Peach's, Exclusive DMR Net 7:30 PM, W4AC 444.100	12 TARC Meet- ing @ 7 PM, Coast Guard Training Center	13 TARC Net @ 7:30 PM, W4AC Repeater 146.805	14 Breakfast @ Peach's, Orders taken at 7:00 AM	15
16	17 DARN Emer- gency Net @ 11 AM Starts on NI4CE Rptr 145.430	18 Breakfast @ Peach's, Exclusive DMR Net 7:30 PM, W4AC 444.100	19	20 TARC Net @ 7:30 PM, W4AC Repeater 146.805	21 Breakfast @ Peach's, Orders taken at 7:00 AM	22
23/30	24/31	25 Breakfast @ Peach's, Exclusive DMR Net 7:30 PM, W4AC 444.100	26	27 TARC Net @ 7:30 PM, W4AC Repeater 146.805	28 Breakfast @ Peach's, Orders taken at 7:00 AM	29

NOTE: If the W4AC 146.805 Repeater is inoperative, nets scheduled for activity will be held on 146.580 MHz simplex. Thanks for your cooperation.

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

Name _____ Call Sign _____ Class ___ ARRL (Y/N)___

Local Address _____ City _____ Zip _____

Summer Address _____ City/State _____ Zip _____

Tel. No. _____ E-Mail _____ Application Date _____

Please check Letters of Interests: (N) Net Control___, (I) RFI/TVI___, (V) VE Testing___, (T) Training___, (P) Packet___, (Y) RTTY___, (D) PSK, etc.____, (O) Computers___, (X) DX___, (C) Contests___, (F) Field Day___, (Q) Publicity___, (E) Emergency Communications___, (S) Special Events___, (U) VHF/UHF___, (A) ATV/SSTV, (R) Repeater___, (L) EchoLink___, Other (specify) _____

Regular Member @ \$25.00/year ___, Family Membership @ \$30.00/year___, Non-Voting Student Membership @ \$5.00/year___ . (New Regular Members joining after 30 June pay \$15.00 for remainder of calendar year. \$25.00 dues payment after 31 October grants membership through remainder of year and all of the following year.)

MAIL TO: TARC, P. O. Box 976, Nokomis, FL 34274

**TAMIAMI AMATEUR RADIO CLUB, INC.
P. O. Box 976
NOKOMIS, FL 34274**

<p><i>The Communicator</i> is a monthly publication Of the Tamiami Amateur Radio Club, Inc. Editor: Jack Sproat-W4JS Circulation: San Yoder-K3SY</p> <p style="text-align: center;"><u>2016 TARC Officers</u></p> <p>President: Andy Durette-KB1HIP V. President: Gary Hagens-K6OC Secretary: Jim Shortill-KJ4NDO Treasurer: San Yoder-K3SY Directors: Peter Boers-KV4LR Larry Bryan-W8LIG Don Jansen-KI4VGE Tom McDermitt-W3GXV</p>
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