



FORT MYERS AMATEUR RADIO CLUB

MODULATOR

FOUNDED 1957

www.FMARC.net

June 2023



The Official Voice of FMARC Inc



PRESIDENT'S MESSAGE

Robert Griffin KJ4WPV



Greetings,

The ARRL has selected this year 2023 as the year of volunteerism. Likewise, when I became President, I adopted the same theme. We are aware of the effects of the last hurricane on Lee County. It confirmed the need for ARES to support the EOC and provide communications for shelters.

This month's newsletter is to request members to volunteer for ARES. We have a real and pressing needs for members to join ARES organization. Lee County is depending on each of us to support Emergency Management. It is real life for us and people's lives are at stake. We need additional ham operators to work at the shelters. Many of us have had to work at a shelter alone, including myself. Yes it was difficult and no one came to relieve me. WE NEED YOUR Help.

If you can not go to a shelter, we need your eyes and ears from your neighborhood. First responders cannot be everywhere, that is why you are needed. This is one of the best gifts you can give to the County.

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May Meeting

**The May Meeting of the club
will be in the EOC and
available on Zoom.**

**Gates at the EOC will open at
6:30 for a 7:00 start on
Tuesday May 30th.
Plan on attending!**

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Please contact Steve Smith W9GPI the ARRL Emergency Coordinator for Lee County to determine how you can help. He can be reached at ares@fmarc.net.

Other great news summer field days is coming up next month in June 24-25. As you know there will be two locations for field day this year. The North Fort Myers recreation complex and Tice Fire Station.

Please volunteer and get involved in these two great events along with all the other opportunities we have in FMARC.

73

*Robert Griffin KJ4WPV
President of FMARC*



June 24 - 25

**North Fort Myers Park and Recreation Center, 2000
North Recreation Park Way, North Fort Myers**

Info: field_day@fmarc.net

Southwest Florida Traffic Net Update

The Southwest Florida Traffic Net had another solid month in April, and more importantly we've had a great run of consistent months so far this year. Please keep up the great work.

One errata note: the net statistics in the April issue of The Modulator were not correct. The correct count should be QNI 442, QTC 200, and QND 1029.

I would like to welcome Gavin Gilbert KQ4GUI to the SWFTN. Gavin is a brand new technician who tested through our local VE Team. Gavin has become quite the traffic handler in his short time as an amateur operator. Further, he's only 15 and is largely self-taught. I was pleased to hear that the materials on our SWFTN website (<https://fmarc.net/swftn>) were helpful. I hope others will follow Gavin's lead, and begin passing traffic. We are here to help you.

Also, the Tropical FAST Net has moved to its summertime home on 40 meters. The TFN meets at 6 PM every night on or about 7238 KHz. TFN is the evening Florida statewide HF traffic net. With the move to 40 meters, hopefully more folks can join us since more operators have that capability. As the bands change around September or so, we will move back to 75 meters for the winter.

This month we will begin our look at radiogram "service messages". A service message is a reply to the originator that their original message has been handled in some way. There are three options: let them know it was delivered, let them know it was not delivered (and why), or that it was relayed to another station. (The latter is typically only done when HXD handling instructions were on the original message.)

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<u>SAR</u>	<u>APR</u>
W2PAX	298
W4CMH	194
KR4ST	114
K4FHR	48
W2ARP	45
KQ4GUI	42
KR4PI	34
KM4KME	13
K4DHP	8
NK4AA	6
W9GPI	5
WE4THR	2
KN4CPA	1

* SAR = Station Activity Report

<u>PSHR</u>	<u>APR</u>
W2PAX	140
KR4PI	119
W4CMH	115
KR4ST	80
W2ARP	72

* PSHR = Public Service Honor Roll (In points)

<u>MONTHLY NET STATISTICS</u>	<u>APR</u>
QNI	450
QTC	211
QND	1126
SESSIONS	25

Southwest Florida Traffic Net Update

Continued From Prior Page

Unless the original message has HXC handling instructions, it is not required to service the originator unless the message could not be delivered. A message that cannot be delivered is REQUIRED to be serviced back.

There are ARL numbered texts that make service messages easy, and this author encourages the use of them. They are well known to regular traffic handlers, and the standard format makes them easy to copy. ARL FORTY SEVEN should be used when a successful delivery is made, and ARL SIXTY SEVEN when delivery is unsuccessful.

The template for ARL FORTY SEVEN reads: *"Reference your message number _____ to _____ delivered on _____ at _____ UTC."*

Let's assume that you want to service W4XYZ about their message number 50 they sent to K2DEF, and which you successfully delivered. The text of your radiogram service message would read:

ARL FORTY SEVEN 50 K2DEF

MAY 6 2042

Unpacked into the numbered radiogram template, you are sending *"Reference your message number 50 to K2DEF delivered on May 6 at 2042 UTC."*

Please note that the time identifier of UTC is already in the ARL FORTY SEVEN template. You do not need to identify the time zone.

Additional information could be provided. I like to put the method by which I delivered a message in my services messages. In the example above, I would add "VIA EMAIL" or something similar after the time.

We will stop there for this month. We'll talk about servicing undeliverable messages in our next column. Until next month, keep the traffic moving!

73

*Dave Sheppard W2PAX SWFTN Manager
Rich Schnieders KR4PI SWFTN Asst. Manager*

License Testing

Results of May 11 Regular Exam Session



Earl Van Atta
WB4VAN
Upgrade to General



Peter Poulsen
KQ4EJI
Upgrade to General



Travis Kelly
Pending
New Technician



Bradley Geidner
KQ4IMG
New Technician



Brady Young
KQ4IMF
New Technician



David Schwartz
KQ4IME
New General



Angelo Rosin
KF6YJV
Upgrade to Extra



Paul Kielmeyer
KQ4IMC
New Technician



May VEs - Seated, Left to Right: Joe Rickard NØJAR, Lynn Johnson KO4QHN,
Tom Provenzano KM4LPW.

Standing, Left to Right: Thom Street N5KFR, Ryan Bobnik KO4RDZ, Larry Stiles
WF4LS, Al Schwartz K2AWS, Don Domina KCØDE, Rich Schnieders KR4PI,
Dan Hays KDØFZF, Jon Scharbrough AA4JS, Jeff Kennedy NK4AA.

The date of the next Regular License Test session is set for Thursday, June 8, at the EOC on Ortiz Ave. All candidates taking tests are required to pre-register. No walk-ins will be allowed at the regular sessions. You can pre register at <https://fmarc.net/exam-registration/>

Field Day 2023 is Here !!

It is time for the 2023 version of Field Day. The event is set for the end of June. FMARC Field Day is set for the usual location in North Fort Myers. Also this year an additional Field Day site will be up and running at the Tice Fire Station.

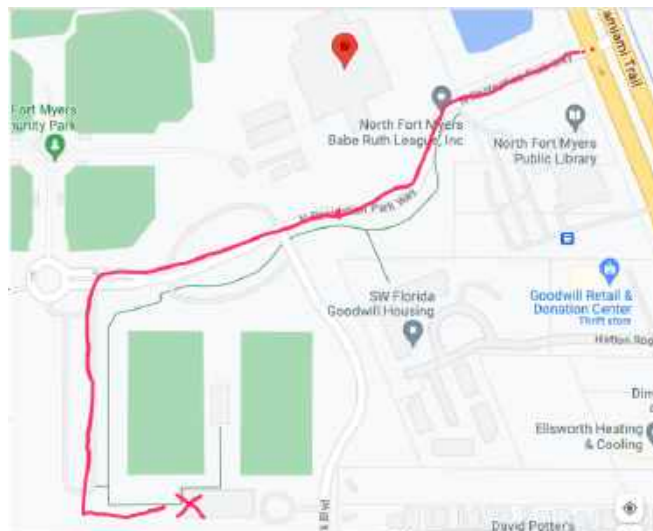
The event runs from 2:00PM on Saturday June 24 until 2:00PM on Sunday June 25. At the North Fort Myers Location, set up will begin around 8:00AM on Saturday. The primary location is 2000 North Recreation Park Way, North Fort Myers. The set up is at the pavilion between the two large athletic fields. See the map for the location,

Field Day Chairs Jon Scharbrough AA4JS and Lynn Johnson KO4QHN have asked for volunteers to help, especially with set up and tear down. "We have a lot of stuff to move to get ready for Field Day," Lynn noted. She added, "We have things we need to bring from and then back to the Swap Shop."

Jon has asked that anyone planning to operate during Field Day to contact him ahead of time. "It's better than just showing up," Jon said. "If we know who is coming and what equipment they are bringing, we can make sure we optimize the setup."

Both organizers stressed that the event is not just for people with equipment. "Field Day is a great chance to operate especially if you don't have your own remote station," Lynn said. Those operators who bring equipment are often willing to take a break for a few minutes and let others have a chance to get on the air.

The additional site will be running on the same schedule. Organizer Bob Lewis N8GU said he plans to have two operating positions at the "club station" in the Tice Fire Station. Info on that location can be found elsewhere in this issue



FMARC Field Day Location



of the Modulator.

Like the main site, Bob has invited all hams to come out and get on the air for Field Day.

Make your plans now to come to Field Day 2023. Contact Lynn and Jon at field_day@fmarc.net.

Digital Corner

By Chris Freundlich KB2IDX



This month I am going to discuss FCC Part 97.199. This section deals with the rules surrounding call signs.

Declarations and usage. In the digital world, there has been controversy as to where and when you need to declare your call sign. Many digital hams feel that because their radios transmit their call, that they don't need to say it. Well gang, I hate to be the bad guy but the way I read it (see graphic), that is not the case. What it says very simple, "you must transmit your call via Phone or RTTY, every 10 minutes and at the end of the QSO." That's my interpretation of it, but you judge for yourselves. You are the master of your own station. Here is the Link to the page in the federal register for part 97.199:

<https://www.ecfr.gov/current/title-47/chapter-I/subchapter-D/part-97#97.119>

Decide for yourself. If you have any comments or you think maybe I'm way off base, feel free to send them to my email (KB2IDX@gmail.com) and we will post your comments next month.

§ 97.119 Station identification.

- (a) Each amateur station, except a space station or telecommand station, must transmit its assigned call sign on its transmitting channel at the end of each communication, and at least every 10 minutes during a communication, for the purpose of clearly making the source of the transmissions from the station known to those receiving the transmissions. No station may transmit unidentified communications or signals, or transmit as the station call sign, any call sign not authorized to the station.
- (b) The call sign must be transmitted with an emission authorized for the transmitting channel in one of the following ways:
 - (1) By a CW emission. When keyed by an automatic device used only for identification, the speed must not exceed 20 words per minute;
 - (2) By a phone emission in the English language. Use of a phonetic alphabet as an aid for correct station identification is encouraged;
 - (3) By a RTTY emission using a specified digital code when all or part of the communications are transmitted by a RTTY or data emission;
 - (4) By an image emission conforming to the applicable transmission standards, either color or monochrome, of § 73.682(a) of the FCC Rules when all or part of the communications are transmitted in the same image emission

FMARC Website Is a Busy Place

A snapshot of the usage of the FMARC website shows a lot of activity in the last 12 months. Webmaster Tom Muye shared data showing that 23,167 of the website pages were accessed during the period. “That is a pretty impressive rate of over 60 per day,” Tom noted.

The website is constantly updated with new information but a close look at which pages people are landing on shows the value of the internet presence. The “Top 10” pages gives a good indication of what most people are using the tool for. The top 10 are:

<u>Page</u>	<u>Number of Visits</u>
FMARC	4065
Members Only	2759
Calling Frequencies	1214
Member Roster	963
SWFL Hamfest	922
Lee County Repeaters	801
Member Login	729
Hamfests	544
Calendar	456
Modulator Newsletter	439

Tom noted, “It’s clear that people use the site for a few main reasons like member names and information, repeater information in the area, the Hamfest and general news in the club newsletter, The Modulator.”

Another interesting piece of data that comes from the activity log is that the website houses more than 200 unique “pages” where users can go. “There is a ton of information out there and one of things I have tried to do is to bring it all together in one location,” Tom said. He added he is constantly updating the website to keep it fresh and relevant.

Part of your routine should be to check out the website when you have a question about FMARC, the membership or ham radio in general. If you have an idea for content, you can contact Tom directly at webmaster@fmarc.net.

Thanks Tom for a job well done!



Second Century



Making a Big Decision — Together

I once heard someone say that the membership is at the "top of the pyramid" at ARRL. That struck me, because we do not function that way. ARRL is a membership organization that is structured and run as a company for the benefit of its members. As a member, you choose to support ARRL by paying to be a member; you may choose to provide additional financial support to one or more areas of advocacy that are of interest to you; you vote for your Section Manager, Vice Director, and Director. Yet these are individual actions, taken as a portion of the overall membership. When is your voice, as a membership, heard all at once? I can't find any evidence that, during modern times, the membership ever did anything with a single voice!

Well, here I am asking for you — our membership — to consider an important question and give me your point of view. We need to make a big decision, and if we are cavalier about it, we know that there are those who will head for the door, unhappy that their opinion was never considered! As CEO, I am asking for *your* input. So, here's the big question:

How does ARRL handle an increase in dues?

When I came to ARRL as CEO in 2020, it took me about 2 weeks of going through financials and budgets to see two things: significant work has been done over the years to cut costs, and we have a revenue problem. No organization can operate year after year running a deficit. As each year goes by, and costs for everything increase, maintaining the same annual dues doesn't work. Sooner or later, the financials fall into the red.

Fortunately, in the past 20 years, some very talented people have been committed to raising money and managing the investments that give ARRL the ability to fill that deficit with the earnings on our endowments. Even with market dips, careful management of our investments keeps ARRL strong and running for our members — for the moment. With each successive year, the deficit continues to grow until it overtakes the earnings and the investments begin to erode. There are those who would have us dive into and spend our investments until they are gone, with the hope that some wealthy benefactors will take over paying ARRL's operating costs. If you've spent any time running a business, you'll be familiar with this well-known phrase: Hope is not a strategy.

One area that has been a challenge for us to manage is the cost of printing and mailing our periodicals — in particular, QST. You'll remember last May, due to paper shortages, we had to go to paper brokers to find something close to QST's usual paper, just to get the magazine printed and mailed to you on time. Given the performance of other magazines in the amateur radio industry over the years, we were not going to miss mailing even one issue of QST. The costs of paper, ink, printing, and distribution have all gone up. These are not costs we can ignore or (again) *hope* get better with time — especially in light of current trends in inflation.

I have spent the past year discussing these financial issues with members, and some themes have consistently emerged: Members agree that \$49 is a bargain for all that ARRL does to promote and protect amateur radio (especially when compared to a fast food meal for four, or a tank of gas!). There are many members who enjoy the benefit of reading all ARRL publications, current and past, digitally through the website or app, and if the printed versions of ARRL magazines became an added cost (as QEX and NCJ are today — imagine adding *On the Air* and QST to that model), members would gladly pay for ARRL to continue printing these magazines for those interested in receiving them.

There are other questions that need to be answered regarding Life Members and generous Maxim Society and Diamond Club donors, and frankly we haven't gotten that deep into the analysis or discussion yet. There is still much work that our Administration & Finance Committee needs to do.

And then there's you. Here's your chance to educate me on your thoughts. We will have an online survey available on www.arrl.org for the entire month of May. If you haven't done so lately, please go to the website and make sure your account is up to date, including your password (the new website login requires stronger passwords than the old one did).

Take a moment to click on the survey link and answer the few questions there that will ask for your thoughts on how membership is bundled, how you would respond to options such as digital-only or digital-with-printed-magazines, and your honest feelings about costs. Here's where we, as a membership, hold hands and answer big questions together to help guide the future of ARRL. Keep radio active, get on the air and work VOTA, and see you at some of the conventions this year.

A handwritten signature in black ink, appearing to read "David A. Minster". To the right of the signature, the call letters "NA2AA" are printed in a small, sans-serif font.

David A. Minster, NA2AA
Chief Executive Officer

ARRL Members, go to www.arrl.org and follow the link under "Dues Survey" to take part in the questionnaire.

CERT Presentation

FMARC was recently invited to speak with members of Cape Coral CERT. Club Vice President Jeff Kennedy NK4AA and Don Domina KCØDE took part in the session at one of the cities' Fire Stations.

Jeff explained to those who attended, the various types of radios and license requirements for the radios. His presentation included the pros and cons of the various services available to CERT members. The talk included information on GMRS, CB, FRS and Amateur Radio.

Several of the CERT members said they wished they had alternate methods of communicating because of the damage Ian did to the cell phone and internet infrastructure.

CERT is an active part of the city emergency plan. Their website notes the importance:



With a population approaching 180,000 and growth in Cape Coral expected to continually increase, the Fire Department recognized the need for educating our citizens in disaster preparedness and response training through the Community Emergency Response Team (CERT) program.

The Community Emergency Response Team (CERT) Program educates people about disaster preparedness for hazards that may impact their area and trains them in basic disaster response skills, such as fire safety, light search and rescue, team organization, and disaster medical operations.

Tornadoes, Fires and Hurricanes are just a few types of disasters the City of Cape Coral has been faced with in the past. In the future, the City of Cape Coral may face more disasters. Does your family, spouse or loved one know how to take care of themselves? You and your family should know the simple basic principles of "Disaster Preparedness" so you won't feel vulnerable or afraid.

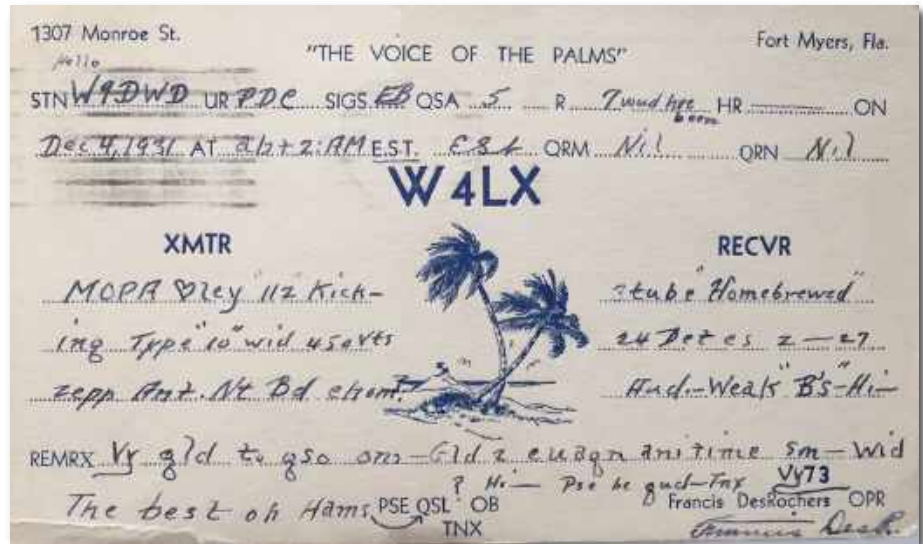
The talk was organized by Caroline Briones, Emergency Manager Coordinator with the Cape Coral Fire Department.



QSL Cards

This month brings a couple of interesting QSL cards to the Modulator. While their popularity has dropped in recent years due in part of automation and the increased cost of postage, they persist.

The first one is courtesy of longtime FMARC member Pete Varounis NL7XM. It shows the origin of the current club call sign W4LX. In 1931 it was assigned to Frank DesRochers of 1307 Monroe Street which is right in the heart of downtown. Today it is the site of the Ft Myers Convention Center. This 81 years old card was sent to W9DWD in Iowa for a penny !



Pete (AKA PeteTheGreek”) provides a unique service with his vast collection of Callbooks going back to 1909. He can research license dates, find lost Callsigns, or get past proof for FCC Lifetime Credit at very reasonable terms. He can be reached at: TwelveVDC@aol.com.

The second card this month comes from a personal friend who worked a Special Event Station in honor the handing over of the Panama Canal to the



Panamanians. The uniqueness of this card is in the Special Event Station call sign. You must admit that 3E30PCARA is quite a mouthful. Thanks to Andy Leckart NA1VT for passing this card on.

Do you have a interesting QSL card or two? Send a Hi-Resolution scan or photo to modulator@fmarc.net and share it with your fellow club members.

Shack Power Back Up Plan

By Hamilton Agnew K4HKA

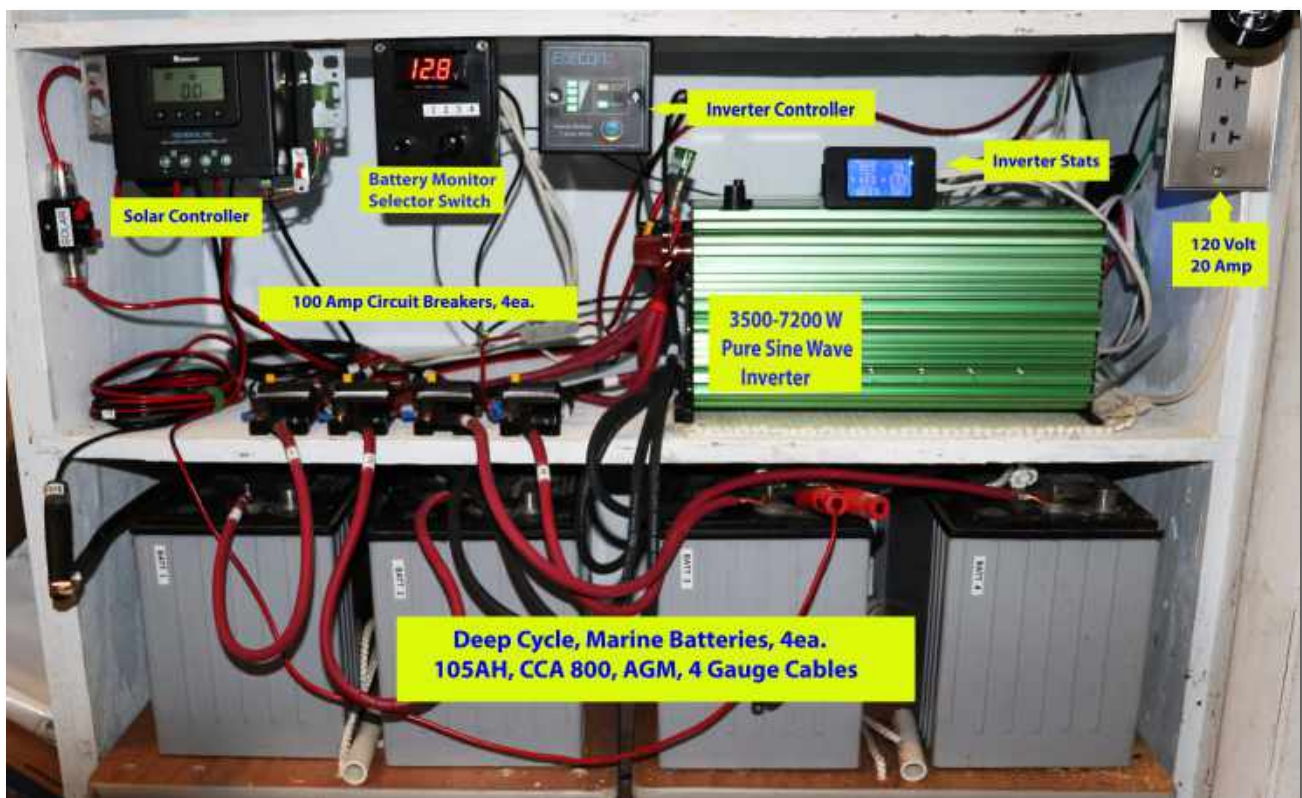
As almost everyone knows, Florida is subject to some fierce weather, as evidenced by our most recent Hurricane Ian. Our local power company, FPL, took weeks or longer to restore power to many locations. Some of the hardest hit places were without any facilities for months.

Lee County publishes a comprehensive guide for such emergencies, but I felt the need to build several systems to keep my home, A/C, refrigerator, lights and communications ready.

Part of this preparation was to build a “Back-Fed” system. It consists of an outside 7,500 Watt generator that is connected to two 30 amp breakers in the house power panel. These breakers are always in the off position until needed. Right after Hurricane Ian, I pulled the main breaker in the panel, fired up the generator, then turned on the two 30 amp breakers. At that point, the A/C, refrigerator and lights came on. As long as I had gasoline or propane, the house was dry and cool and we had food and Over-The-Air tv.

Most people use small DC power supplies to run their radios, and chargers for their HTs. Those are fine if you have power to run them. As a firm believer in “Murphy’s Laws”, I want back-ups for back-ups.

I built a Battery Back-Up system that I will describe in detail. The photo below shows the major components.



The heart of the systems is composed of four (4) large Deep Cycle, Marine, AGM batteries. Each is rated at 105AH with a CCA (Cold Cranking Amps) of 800 amps. Each battery is attached to one side

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of a 100Amp circuit breaker, the other side of each breaker to common terminals on a Pure Sine Wave Inverter that will run continuously at 3,500 Watts with a Surge to 7, 200 Watts. I recently upgraded these feed wires from 10 gauge to 4 gauge. All connectors are crimped and soldered.

The output of the inverter feeds 20 Amp receptacles. One is close to the inverter and another in my radio room. I also tapped the DC feed to the inverter to feed all my radios.

On my roof are two small solar panels capable of providing 200 watts on a good day. I use this free power to keep the batteries charged. The “Solar Controller” indicates DC from the panels as well as current being drawn to charge the batteries.

It is important to know the condition of all systems so that one can measure voltage and current.

The “Battery Monitor Selector Switch” is a simple DC voltmeter connected to a 4-position rotary switch so that I can look at each battery separately, and then move the Alligator Clips to the lowest-reading battery.

The “Inverter Stats” indicator shows input and output voltages, line frequency, and current being drawn.

In the radio room are two more meters, one for AC, the other for DC. They are both visible from where I sit, so that I can monitor both sources when I’m using the radios.



To date, I’ve tested it with a toaster, and the inverter fans didn’t even come on!

Finally, I installed two small LED lamps so that when the “lights go out” I have instant lights...enough to not go stumbling in the dark.

I’m ready.....

If you have any questions or comments, feel free to drop me a line at hamagnew@gmail.com. Thanks for reading this.

Editors Note: If you have a project or a plan that you think other members might find interesting, take a couple of photos and get in touch with me. I can be reached at modulator@fmarc.net. I am always looking for interesting content. Remember, if it is something that interests you...it probably interests other members. Don KCØDE.

Tice Home to FMARC Club Station

FMARC has a welcoming home for a club station. Member Bob Lewis N8GU has spearheaded the effort to find a location for a club station. His efforts paid off with an agreement recently concluded with the Tice Fire Department.

"Tice Fire Chief Ted Ross has been extremely supportive of amateur radio and our efforts," Bob said. "He has welcomed us with open arms at his station."

Recently FMARC and Tice Fire signed an agreement that permits us to use their conference room as a club station. While FMARC does not have exclusive use, it does mean that it is easier for the club to reserve space going forward.



Tice Conference Room Used as a Club Station

Bob and Steve Hoch WU3I have been the main drivers behind the organization of the effort to find a club station. They both now serve as "station managers". They are looking for others to help out with the manager efforts. Bob described the role of the managers as a liaison between club members and the fire house scheduling personnel. The station managers will also be responsible for meeting club members at the fire house for the

purpose of orienting them to the facility and to supervise activities. Similar to net control operators, station managers will serve on a rotational basis. Steve stressed, "We have a great relationship with Tice Fire and we want to keep it that way."

Bob said the intention is to have the operation of the club station effort in Tice to be overseen by a committee. "The Club Station Committee will be to develop operating protocols for the club station and to evaluate equipment needs to recommend to the Board of Directors. The committee will also develop and recommend operating activities for the club station."

Tice Fire Station 1 is located at 9351 Workmen Way, Fort Myers. The club station operates in the conference room that is located on the part of the building directly fronting on Workmen and Lexington. The other side of the building is the private area for the on-duty emergency crews.



Location of the Conference Room at Tice Fire

Bob reminds all the facility is a working fire station with fire and EMS response.

If you would like more information or if you want to volunteer as a manager or committee member, contact Bob at contesting@fmarc.net.

Florida QSO Party Success

Late April was the time of a major contesting effort by FMARC members. Contesting Chair Bob Lewis reported that five operators worked on three radios with two different antennas for the event. The Florida QSO effort was held at the Tice Fire Station, home of the FMARC "Club Station".

Operators for the event were: Jennifer Nisenoff KO4VYT, Dale Gosney KJ4YDI, Dan Blashill KD7ACB, Mark Johnsen NB1U and Bob Lewis N8GU (300 contacts). In addition Bob said several other people were in also attendance and helped out. They included: Steven Hoch WU3I, Robert Pantazes W2ARP, Paul Meyers N2OPW and Headley Wilson KM4KME.

Since the re-introduction of the Florida QSO Party to the contest scene in 1998, the Florida QSO Party has become one of the fastest growing and most popular State QSO Parties around today. This is due, in part, to the tremendous effort by the mobile teams to activate as many counties as they can in order to allow those participating from out-of-state, to achieve a county "Sweep" (working all 67 Florida Counties).

The next event for the Club Station is the additional Field Day experience on June 24 and 25.



FMARC members who operated and helped out during the 2023 Florida QSO Party



Join in the Fun with QCWA



Edison Chapter 196
Meets every 3rd Monday of the month
We gather at 11:30 AM
We meet at Mugs N' Jugs in Lehigh Acres
5512 8th Street West off of Lee Blvd.

All are welcome, you don't have to be in the hobby for 25 years.

ARES Meeting

The April in-person meeting of Lee County ARES produced a good turnout. Held at the EOC, the meeting was centered on the details in the after action report following Hurricane Ian.

Steve Smith W9GPI detailed several items that were seen as issues raised that needed to be addressed. In some cases no action was taken but Lee County officials were advised of the issues.

The presentation was followed by comments from ARES members. Steve noted he is putting the final touches on the After Action Report and the Time Line. He also reiterated that Lee County was very pleased with the ARES response before, during and after the hurricane.



Ham Clock Spots POTA Activations

The latest version of the popular HamClock features a new panel that show POTA activations. The display shows frequency, station, park ID and age of the posting. Below is an example of the display.



Note the second call from the bottom. AA4JS was spotted during the activation at Webb-Babcock State Park. If you would like more information about HamClock and this feature, check this web site: <https://www.clearskyinstitute.com/ham/HamClock/>.

Southwest Florida Hamfest Committees Set

The chair of FMARC's Southwest Florida Hamfest has announced the even sub committee leaders. Mel Schroth KW4MEL will serve as chairperson for the overall effort, Mel has tapped Joe Rickard NØJAR to serve as Co-Chair. Other assignments include:

Ticket Sales - Lynn Johnson - KO4QHN
Financial Coordinator - Leo Windler - W4LJW
Prizes - Bob Pantazes - W2ARP
Publicity & Social Media - Jeff Kennedy- NK4AA
Parking & Security - Steve Hoch - WU3I -
Safety - Robert Ficarelli - KM4OWA
Talk-in - Carmine Vetrano - K1CJV
Vendors - Steve Smith - W9GPI
Forum / Education Brian Chandler - W4LOY
Tail Gate Coordinator - Charles Istenes - KI4GED

Contact Mel, Joe or the appropriate committee head and volunteer to help out. hamfest@fmarc.net.

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New Members of FMARC

John Beattie N9FCA - Naples
 Laurel West KQ4HVI - Lehigh Acres
 Paul Jensen KC3LSU - Cape Coral
 Paul Marks KQ4HVE - North Fort Myers

More POTA Awards

The FMARC POTA group garnered two more awards recently for their activity. The awards were shared by Bob Lewis who chairs the club's Parks on the Air effort. If you would like info on upcoming events, drop a line to Bob at pota@fmarc.net and he will get you on the POTA mail list.



POTA In May

The FMARC Park's On The Air (POTA) group headed to Fisheating Creek State Park for a repeat activation. There were eight hams on site during the event. Reports from the event said while everyone had a good time, band conditions made contacts tough, especially compared with other events. The group was able to enjoy a picnic lunch during a break.

Taking part in the activation were:

Alex Gresham W4BAM
Bert Brillas KM4TJJ
Bob Lewis N8GU
Dale Gosney KJ4YDI
Dan Blashill KD7ACB
Frank Richards KB4VU
Jennifer Nisenoff KO4VYT
Jon Scharbrough AA4JS
Scott Bauer KO4RTM
Steve Carmean K9DY

Anyone interested in POTA and future activities can contact the group at pota@fmarc.net



Do You Remember?

Periodically we will post a couple of questions that are found in the current FCC License Question Pool for the various levels of tickets. Give it a try and see if you remember or just plain "know" the answers....Answers can be found elsewhere in this month's Modulator.

Technician Level

T3A07

What weather condition might decrease range at microwave frequencies?

- A. High winds
- B. Low barometric pressure
- C. Precipitation
- D. Colder temperatures

T0A08

Where should a fuse or circuit breaker be installed in a 120V AC power circuit?

- A. In series with the hot conductor only
- B. In series with the hot and neutral conductors
- C. In parallel with the hot conductor only
- D. In parallel with the hot and neutral conductors

General Level

G2A08

What is the recommended way to break in to a phone contact?

- A. Say "QRZ" several times, followed by your call sign
- B. Say your call sign once
- C. Say "Breaker Breaker"
- D. Say "CQ" followed by the call sign of either station

G7B05

How many states does a 3-bit binary counter have?

- A. 3
- B. 6
- C. 8
- D. 16

Extra Level

E2B02

How many horizontal lines make up a fast-scan (NTSC) television frame?

- A. 30
- B. 60
- C. 525
- D. 1080

E6A06

What is the beta of a bipolar junction transistor?

- A. The frequency at which the current gain is reduced to 0.707
- B. The change in collector current with respect to base current
- C. The breakdown voltage of the base to collector junction
- D. The switching speed



Random Signals

You have a chance to make your voice heard. Well, you have a chance if you are a member of the ARRL. The League has invited its members to voice their opinions on a survey they will be running until the end of May.

In my time as a league member, I have heard my fair share of griping about what the league has and has not done. Some of that comes from league members and some is anonymous on social media.

FMARC is an ARRL Affiliated club. And we should be proud of that. But that does not mean that we should not take this opportunity to offer our opinions and feelings. The League is asking.

Often, I hear that the League is “bloated and wild spending”. I hear that it's management is a “closed club” and not willing to entertain ideas or change their ways.

Frankly, some of that may be true. The League rolled out a software update on its website that forced all members to re-sign up. Cumbersome and frustrating. The League has not been very transparent. This goes for the folks in Newington as well as our Section. Why aren't League Board meetings held on Zoom? Would that not be a transparent way of involving the general membership? It has been suggested and dismissed. What has the league really done to combat onerous HOA regulations? There was a bill introduced a few years ago, but frankly that is the last update I recall. It is these types of things that frustrate members.

Ok, having mentioned some of the things that I think the League is not good at, let's look at some of the things they have done. They have an active and robust radio license testing program. The League has been vigilant in making members aware and protecting the spectrum. It is under constant attack and if it goes away, so does our hobby. The League provides and administers scholarships for students that are involved or may want to get involved in amateur radio. And the League has mountains of books, magazines, videos, and other material that helps all of us learn and spread the word about our passion.

The League does a lot and they can and should do more. But if you don't give them input on the survey, you have no one to blame but the person you look at in the mirror. No, they will not do everything you or I want, but we can continue to ask and make them aware of the issues.

Take a few moments and complete the survey. It can be found by following the links on the main ARRL web page. You will have to log in to do it. Also, take a few moments and drop our ARRL representatives a note and let them know what is on your mind. They are Mickey Baker N4MB ARRL SE Section Director n4mb@arrl.org, Jeff Beals WA4AW ARRL SE Section Vice Director wa4aw@arrl.org, Barry Porter KB1PA ARRL SFL Section Manager kb1pa@arrl.org, Tom Muye AC4TM Assistant Section Manager ac4tm@arrl.org Jim Schilling KG4JSZ Assistant Section Manager kg4jsz@arrl.org, and Dave Sheppard W2PAX FMARC Liaison with ARRL arrl-liaison@fmarc.net.

Don Domina KCØDE

Editors Note:

Every once in a while, I hear or see something that does not quite fit into a nice neat package. If I think it's something of general interest, I plan to use this forum to let you know about it. If you have something that is interest to you, let me know. It is probably of interest to other members. You can send your thoughts directly to me at modulator@fmarc.net. Thanks and 73.

Fort Myers Amateur Radio Club, Inc.

Minutes of the April 25, 2023 General Meeting

Please Note: This meeting was held both In Person and virtually via Zoom.

The April 25, 2023 General meeting of the FMARC was called to order by President Robert Griffin KJ4WPV with the Pledge of Allegiance at 7:00 pm.

Rich Schnieders KR4PI provided the Invocation.

President Robert Griffin KJ4WPV welcomed new members and visitors - John Beattie N9FCA, Adam Helm W4HLM, Laurel West KQ4HVI, Ron Hendershet KA8FTP, Trish Hendershet (no call), and Dave Schwartz who is taking the VE exam next week.

On the Care List the President listed Steve Clayton K4SJC, Bill Day KN4RML, Andy Blitz KO4FEY Frank Rabb K4FHR, Steve Smith W9GPI, Shirley Griffin, Tom Provenzano KM4LPW.

Under Silent Keys Richard King K5NA from Texas was noted. The club was reminded to always practice extra safety when working with electricity.

A motion made by Dave Sheppard W2PAX seconded by Don Domina KCØDE to approve the minutes of the last general meeting as posted in the recent issue of the Modulator. The motion was approved on a voice vote.

Officer's Reports

President: Robert Griffin KJ4WPV announced the creation of a new committee that will oversee operations of the Swap Shop. Carmine Vetrano K1CJV is our new Swap Shop Committee Chairman. Joe Ryan N3NAI is now the Facilities

Manager.

Vice President: Jeff Kennedy NK4AA thanked everyone for coming to the meeting. He asked that people volunteer for our up coming Field Days. He urged members to help to make it the best field day ever.

Secretary: Lynn Johnson KO4QHN had no report.

Treasurer: Leo Windler W4LJW presented the Board with a summary of all monies and accounts for the club.

Joe Rickard NØJAR made a motion to approve the Treasurer's report. The motion was seconded by Artis Kitchen K1AWK. Motion approved on voice vote.

Director: Jon Scharbrough AA4JS said he would hold his report until discussion on Field Day 2023.

Director: Rick Lawrence W4RIC alerted the members that Steve Smith W9GPI is seeking more volunteers for the ARES program. Contact Steve if you are interested.

Past President: Steve Clayton K4SJC agreed with Rick. He urged members to step forward and become a part of the ARES team. Come out to Field Day join us for a fun weekend.

Committee Reports

HamFest 2024: Mel Schroth KW4MEL announced that the ten needed committee chairs have been confirmed. Each chairman will have an assistant. She asked FMARC members to say "Yes" when asked to volunteer.

MOTA: Joe Rickard NØJAR reported that the antenna problem with the one of the repeaters has been resolved. He also said the Monday meeting will be held on the linked repeater system. He told members to only check in from your local repeater.

Field Day: Jon Scharbrough AA4JS reported that our contact total for Winter Field Day was 15,442. Jon reminded everyone to save the dates June 24-25 for the next Field Day.

Technical Committee: Robert Pantazes W2ARP presented a request to purchase a Time Reflector Meter at a cost of \$700.00.

Melodie Ann Schroth KW4MEL moved approval of this request. It was seconded by Dave Sheppard W2PAX. The motion passed.

Old Business

None was presented.

New Business

None noted.

Special presentation on the "Club Station" at the Tice Fire Station 1 by Bob Lewis NG8U and Steve Hoch WU3I. Bob presented pictures of the facility and shared some of the ideas for club use. They are seeking more members will to join the TFS1 committee and assist with station manager duties.

Bob also noted The Florida QSO party was April 28-29. TFS1 will also be used during Field Day in June.

Adjournment

A motion to adjourn was made by Rick Lawrence W4RIC, and seconded by Melodie Ann Schroth KW4MEL. The motion passed

The meeting adjourned at 7:50 pm.

*Minutes submitted by
Lynn Johnson KO4QHN
Secretary*



June 24th and 25th 2023

Fort Myers Amateur Radio Club, Inc.

Minutes of the May 9, 2023 Board Meeting

Please Note: This meeting was held both In Person and virtually via Zoom.

The May 9, 2023 meeting of the FMARC Board of Directors was called to order by President Robert Griffin KJ4WPV with the Pledge of Allegiance at 7:00 pm.

Rich Schnieders KR4PI provided the Invocation.

Roll Call

President Robert Griffin KJ4WPV Present
Vice-President Jeff Kennedy NK4AA Present
Secretary Lynn Johnson KO4QHN Present
Treasurer Leo Windler W4LJW Present
Director Jon Scharbrough AA4JS Present
Director Rick Lawrence W4RIC - Present
Past President Steve Clayton K4SJC Present

President Robert Griffin KJ4WPV Thanked everyone for joining the meeting. He requested we remember those on the Care List. Bill Day KN4RML, Shirley Griffin, Steve Clayton K4SJC and Greg Barr K9YF

There were no Silent Keys noted.

A motion made by Jon Scharbrough AA4JS, and seconded by Rick Lawrence W4RIC to approve the minutes of the last Board of Directors meeting as posted in the recent issue of the Modulator. The motion was approved on a voice vote.

Officer Reports

President: President Robert Griffin KJ4WPV noted his wife Shirley had finished her radiation treatments. Thanks to all who sent well wishes.

Vice President: Jeff Kennedy NK4AA commended the members who addressed the Allstar repeater issue that occurred recently. He will make a couple of recommendations during our Club Station Committee guidelines discussion.

Secretary: Lynn Johnson KO4QHN No Report

Treasurer: Leo Windler W4LJW provided the monthly cash report.

Jon Scharbrough AA4JS offered a motion to approve Treasurer's report as presented. Rick Lawrence W4RIC seconded the motion. The motion passed.

Director: Jon Scharbrough AA4JS encouraged everyone to come out to the next POTA, Club Station, or Field Day activity. He added FMARC is a very busy club. Come and join the fun.

Director: Rick Lawrence W4RIC thanked Bob Lewis N8GU for his efforts and growing active members for our POTA, Contesting and Club Station teams.

Past President: Steve Clayton K4SJC Reminded us on MOTA that Hurricane season is just around the corner. If you are aware of a Hurricane Prep seminar, please let him know so we can possibly be part of the event. Bob Lewis N8GU requested club information and he will approach Tice Fire Chief.

Committee Reports

Membership/Technical: Bob Pantazes W2ARP presented a list of new members to the board.

Lynn Johnson KO4QHN offered a motion to

approve new members as presented. Jeff Kennedy NK4AA seconded the motion. The motion passed on voice vote.

Hamfest 2024: Mel Schroth KW4MEL reminded the committee chairs to send her their assistant names.

Field Day: Summer 2023 - Jon Scharbrough AA4JS reminded members that if you are going to operate at Field Day, please let him know ASAP. He said he needs to set a schedule.

POTA: Bob Lewis N8GU reported that the Club Station committee has grown. Mark Johnsen NB1U and Bob Pantazes W2ARP have joined Steve Hoch WU3I and himself as station managers. He reviewed the proposed Guidelines with the Board.

Jeff Kennedy NK4AA asked that a Safety Form be included in the guidelines. The Station Managers will act as Safety Officers. He is going to revise the form to better address our club. He also requested that a sign-in log be maintained as required by club by-laws.

The Board gave the Club Station Committee the authority to set the guidelines.

Steve Clayton K4SJC moved approval of the guidelines as presented. The motion was seconded by Rick Lawrence W4RIC. The motion passed.

Bob Pantazes W2ARP is requesting one radio, EFHW antenna and coax remain at the Club Station for club use. The amount being requested is up to \$400.00.

Leo Windler W4LJW presented a motion to allow up to \$400.00 for the requested Club Station equipment. The motion was seconded by Rick Lawrence W4RIC. The motion

passed.

Swap Shop: Carmine Vetrano K1CJV reported to the board that he is working on creating the database for the tagging program. He would like the Swap Shop to provide more functions, provide services and ham related parts. He is looking for more committee members. If you are willing to be on that team, contact him directly. He also announced that we will have one more clean-up Saturday. The date will be forth coming.

Old Business

Property Control: Don Domina KCØDE reported that the invoice for the lockup is due in June. The invoice is for 12 months. Total Invoice \$744.00. He requested approval of \$225, which is the difference over the current budget line item.

Lynn Johnson KO4QHN moved to approved the additional funds. The motion was seconded by Jon Scharbrough AA4JS. The motion passed.

New Business

None

Adjournment

President Robert Griffin KJ4WPV requested a motion to adjourn.

Rick Lawrence W4RIC moved adjournment and it was seconded by Lynn Johnson KO4QHN. The motion passed.

The meeting adjourned at 8:04pm.

*Minutes submitted by
Lynn Johnson KO4QHN
Secretary*

FORT MYERS AMATEUR RADIO CLUB

2023 BOARD OF DIRECTORS

President	Robert Griffin	KJ4WPV
Vice President	Jeff Kennedy	NK4AA
Secretary	Lynn Johnson	KO4QHN
Treasurer	Leo Windler	W4LJW
Director 2024	Rick Lawrence	W4RIC
Director 2023	Jon Scharbrough	AA4JS
Past President	Steve Clayton	K4SJC

COMMITTEE CHAIRS

ARES®	Stephen Smith	W9GPI
ARRL Liaison	Dave Sheppard	W2PAX
Club Chaplain	Rich Schnieders	KR4PI
Contesting	Bob Lewis	N8GU
Education	Stephen Smith	W9GPI
Elmer	Jim Blocker	KF5IW
Field Day co Chair	Jon Scharbrough	AA4JS
Field Day co Chair	Lynn Johnson	KO4QHN
Greeter	Mel Schroth	KW4MEL
Hamfest	Mel Schroth	KW4MEL
Membership	Bob Pantazes	W2ARP
Modulator Editor	Don Domina	KCØDE
Monday Net Mgr	Joe Rickard	NØJAR
Picnic	Mel Schroth	KW4MEL
PIO	Jeff Kennedy	NK4AA
POTA	Bob Lewis	N8GU
Programs	Brian Darley	KM4YHZ
Projects	Tom Muye	AC4TM
Property Control	Don Domina	KCØDE
Safety Director	Robert Ficarelli	KM4OWA
QSL Manager	Bob Pantazes	W2ARP
Social	Brittany McDonnell	KJ4OYP
Special Events	Brian Darley	KM4YHZ
SK Estates	Brian Darley	KM4YHZ
Swap Shop	Carmine Vetrano	K1CJV
Facilities Coord.	Joe Ryan	N3NAI
Technical	Robert Pantazes	W2ARP
Trailer	Tom Muye	AC4TM
VE Team Lead	Larry Stiles	WF4LS
Webmaster	Tom Muye	AC4TM
W4LX Trustee	Tom Muye	AC4TM

MISSION STATEMENT

The Mission of the Fort Myers Amateur Radio Club, Inc. (FMARC) is to train and assist Ham Radio Operators to carry on the tradition of amateur radio; and, members of FMARC are dedicated to providing education to the general public about the history, operation, functions and benefits of the Amateur Radio Service.

PURPOSE

The Fort Myers Amateur Radio Club, Inc. was formed to provide members the pleasure and benefits of the association of persons commonly interested in Amateur Radio.

OBJECTIVES

- To facilitate the exchange of information
- To promote knowledge of electronics and amateur radio
- To promote good radio operating practices
- To further the art of Amateur Radio
- To sponsor and promote activities relating to amateur radio
- To render public service during emergencies.
- To participate in appropriate community activities.

MODULATOR

The Modulator is published by the Fort Myers Amateur Radio Club, Inc. to inform our members of Club Events and educational or training opportunities.

Members of FMARC are invited to submit articles for the Modulator. The Modulator is the official voice of FMARC. Submissions of articles or advertisements for the Modulator must be made not later than the 15th of each month.

Questions or comments can be e-mailed to:

Modulator@fmarc.net

Show 'MODULATOR' as the Subject

Or send by postal mail to:

FMARC

Attn: Modulator Editor

P.O. Box 061183

Fort Myers, FL 33906

NOW AT THE SWAP SHOP

Questions? Contact Joe: n3nai@hotmail.com

Now At the Swap Shop

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WE JUST GOT IN SEVERAL HF RADIOS 1
HYBRID PRICE TBD
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USABLE \$15.00 . DUAL BAND J POLES \$15
\$15 IS LESS THAN
21 FOOT 18 FOOT EASY WAY CRANK UP
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USE FIELD DAY \$125.00
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Contact Dave Sheppard W2PAX
swftn@fmarc.net

Swap Shop

Open 2nd and Last Saturday 11AM to 1PM
And don't forget you can "tailgate" for no charge

FMARC Swap Shop
Waterway Park
5820 Poetry Ln
North Fort Myers, FL

The Fort Myers Amateur Radio Club, Inc.
is a US 501(c)3 non-profit organization.

Membership consists of both Federal
Communication Commission (FCC) and
Internationally-licensed amateur radio
operators who volunteer themselves,
their communications experience and
equipment in support of emergency and
community services.

Our club meets once a month at the
Lee County Emergency Operations
Center, 2675 Ortiz Avenue, Fort Myers,
FL 33905. We hold our General meeting
on the last Tuesday of every month at
7:00 pm.

Friends, interested persons and Hams
from all over meet for reports from
committee chairpersons, announcements
of present and future activity, old business
issues, any new business for the club,
and a program after the meeting.

VOLUNTEER EXAMINERS

Conduct Exams for new Amateur Radio Licenses and License Upgrades on the 2nd Thursday of the month. 6:30 pm at the Lee County EOC. More information is available on the Club's Web Site: www.fmarc.net, under the "License & Education" tab.

BOARD OF DIRECTORS MEETING

The 2nd Tuesday of each month at the Lee County Emergency Operations Center, 2675 Ortiz Avenue, Ft Myers FL at 7:00 PM. The purpose of this meeting is to discuss plans and issues for the club, as well as go over new business, old business and pending items. All members are encouraged to attend.

ARES®

Our ARES Group meets at 7 pm on the third Tuesday of each month (except November & December) at the Lee County Emergency Operations Center, 2675 Ortiz Avenue, Ft Myers FL
For Info on ARES in Lee County, please contact:

Steve Smith (W9GPI)
ARES Emergency Coordinator
(920) 251-6249 or W9GPI@arrrl.net
www.aresraces-leecountyfl.org

SWAP SHOP

A gathering of Hams and friends is held on the 2nd & Last Saturdays at 11:00 AM at the clubhouse in Waterway Park located at 5820 Poetry Lane, North Fort Myers. Sell, swap and bargain for ham radio gear.

GENERAL MEETING & PROGRAM

The LAST Tuesday of each month. Members, friends, and interested persons meet at the Lee County Emergency Operations Center, 2675 Ortiz Avenue, Ft Myers FL, at 7:00 PM for reports from all committee chairpersons, announcements of present and future activity, old business issues, any new business for the club, and a program or presentation.

The Club's Web Site is

<http://www.FMARC.net>

FMARC Facebook group

<https://www.facebook.com/groups/631010997863075>

FMARC Facebook page

<https://www.facebook.com/pg/FMARCFort-Myers-Amateur-Radio-Club-Inc-1509463055951816>

FMARC Hamfest Website

<http://swflhamfest.info/>

SOME LOCAL NETS

Loggerhead Net

146.790 on
Sunday 7:30pm

Windmill Net

28.475 USB on
Sunday 9:00pm

Southwest Florida Traffic Net

146.685 Mon-Sat
10:00am

Catholic Charities

Net 2nd Monday
at 11:00 am

FMARC Club Net

Linked Repeaters
Monday 7:00pm

The Newbie Net

146.820 - Monday
Approx. 7:45pm

ARES® NET

Linked Sys. Wed 7:00pm

Buck & a Quarter Net

224.52 MHz Wed 7:30pm

Yaesu Fusion Net

(DN Mode)

On the 444.675 and
444.750

Linked Repeaters
Wednesday, 8:00 pm.

The DMR Net

KF5IW Repeater,
Talk Group 311261, Slot 2
2nd and 4th Thursday, 7:00pm.

The D-Star Net

443.450 Repeater
1st and 3rd Thursday, 7:00pm.

Cape Coral Gabfest

146.490 simplex,
Thursday, 8:00pm

Guide to Member Benefits



ARRL Online | www.arrl.org/myarrl

Create an online ARRL Member account, and get access to members-only benefits. Register at www.arrl.org/myARRL. Already registered? Log in at the top of the ARRL website.

■ Magazines | www.arrl.org/qst and www.arrl.org/ota

Members in the US receive a choice of print magazine: *QST*, ARRL's membership journal (12 monthly issues), or *On the Air*, our new magazine for new and beginner-to-intermediate-level radio amateurs (6 bimonthly issues). All members can access the digital editions of *QST*, *On the Air*, *QEX*, and *NCJ* from a web browser and apps available for iOS, Android, and Kindle Fire devices. Members need a valid ARRL account to access ARRL's digital magazines, the Archives and Periodicals Search, and the Product Review Archive.

■ E-Newsletters | www.arrl.org/myarrl

Subscribe to the weekly **ARRL Letter** and a variety of other ARRL e-newsletters and announcements.

■ The ARRL Current Email Newsletter

Members can elect to receive this monthly email within their online profile. Each issue provides a reminder of the available digital magazine issues and highlights articles from all four digital publications, along with podcast overviews, benefit updates, product and publication specials, and more.

■ ARRL Learning Network www.arrl.org/arrl-learning-network

This 30-minute webinar series features member-volunteers covering a variety of topics: technology, operating, and public service. Live presentations are recorded for viewing later.

■ Email Forwarding Service

Email sent to your arrl.net address will be forwarded to any email account you specify.

Technical Information Service | www.arrl.org/tis

Call or email our expert ARRL Technical Information Service specialists for answers to all of your technical and operating questions.

Join or Renew

www.arrl.org/join

Donate

www.arrl.org/donate

Benefits

www.arrl.org/benefits

Shop

www.arrl.org/shop

Advocacy | www.arrl.org/regulatory-advocacy

ARRL supports legislation and regulatory measures that preserve and protect meaningful access to the radio spectrum. Our **ARRL Regulatory Information Branch** answers member questions concerning FCC rules and operating practices. **ARRL's Volunteer Counsel** and **Volunteer Consulting Engineer** programs open the door to assistance with antenna regulation and zoning issues.

Group Benefits* | www.arrl.org/benefits

■ ARRL Ham Radio Equipment Insurance Plan

■ Liberty Mutual Auto and Home Insurance

*US only

Find...

...a License Exam Session | www.arrl.org/exam

...a Licensing Class | www.arrl.org/class

...a Radio Club (ARRL-affiliated) | www.arrl.org/clubs

...a Hamfest or Convention | www.arrl.org/hamfests

Interested in Becoming a Ham?

www.arrl.org/newham

newham@arrl.org | Tel. 1-800-326-3942 (US)

Connect with ARRL

ARRL The National Association for Amateur Radio®

225 Main Street, Newington, CT 06111-1400 USA

1-860-594-0200, Mon. – Fri. 8 AM to 5 PM ET except holidays

FAX 1-860-594-0259, email hq@arrl.org

Contact ARRL: www.arrl.org/contact-arrl



Website: www.arrl.org

Facebook: [@ARRL.org](https://www.facebook.com/ARRL.org)

Twitter: [@arrl](https://twitter.com/arrl), [@w1aw](https://twitter.com/w1aw), [@arrl_ares](https://twitter.com/arrl_ares)

Instagram and Instagram TV: [@arrlhq](https://www.instagram.com/arrlhq)

YouTube: [ARRLHQ](https://www.youtube.com/ARRLHQ)

LinkedIn: www.linkedin.com/company/american-radio-relay-league

The American Radio Relay League, Inc.

ARRL The National Association for Amateur Radio® in the United States; supports the awareness and growth of Amateur Radio worldwide; advocates for meaningful access to radio spectrum; strives for every member to get involved, get active, and get on the air; encourages radio experimentation and, through its members, advances radio technology and education; and organizes and trains volunteers to serve their communities by providing public service and emergency communications (*ARRL's Vision Statement, adopted in January 2016*).

ARRL is an incorporated, noncommercial association without capital stock chartered under the laws of the State of Connecticut, and is an exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1986. Its affairs are governed by a Board of Directors, whose voting members are elected every 3 years by the general membership. The officers are elected or appointed by the Directors.

ARRL is noncommercial, and no one with a pervasive and continuing conflict of interest is eligible for membership on its Board.

"Of, by, and for the radio amateur." ARRL numbers within its ranks the vast majority of active amateurs in the nation and has a proud history of achievement as the standard-bearer in amateur affairs.

A *bona fide* interest in Amateur Radio is the only essential qualification of membership; an amateur radio license is not a prerequisite, although full voting membership is granted only to licensed amateurs in the US.

Membership inquiries and general correspondence should be addressed to the administrative headquarters: ARRL, 225 Main St., Newington, Connecticut 06111-1400 USA.

June 2023						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4 Loggerhead Net 7:30pm Windmill Net 9pm	5 SWFTN 10:00am FMARC Net 7:00pm Newbie Net Follows after FMARC Net	6 SWFTN 10:00am	7 SWFTN 10:00am ARES Net 7pm 220 NET 7:30pm FUSION Net 8:00pm	8 LICENSE TESTING SWFTN 10:00am DMR Net 7pm LDS Net 7:30pm CC Gabfest 8pm	9 SWFTN 10:00am	10 SWFTN 10:00am WinLink Exercise 7:00 AM – 8:00PM Swap Shop 11:00 AM
11 Loggerhead Net 7:30pm Windmill Net 9pm	12 SWFTN 10:00am FMARC Net 7:00pm Newbie Net Follows after FMARC Net	13 SWFTN 10:00am FMARC Board Meeting In Person and Zoom	14 SWFTN 10:00am ARES Net 7pm 220 NET 7:30pm FUSION Net 8:00pm	15 SWFTN 10:00am D-Star Net 7pm LDS Net 7:30pm CC Gabfest 8pm	16 SWFTN 10:00am	17 SWFTN 10:00am WinLink Exercise 7:00 AM – 8:00PM
18 Loggerhead Net 7:30pm Windmill Net 9pm	19 SWFTN 10:00am FMARC Net 7:00pm Newbie Net Follows after FMARC Net	20 SWFTN 10:00am ARES In Person Meeting 7:00PM	21 SWFTN 10:00am ARES Net 7pm 220 NET 7:30pm FUSION Net 8:00pm	22 SWFTN 10:00am DMR Net 7pm LDS Net 7:30pm CC Gabfest 8pm	23 SWFTN 10:00am	24 Field Day SWFTN 10:00am 10:00am WinLink Exercise NO Swap Shop
25 Field Day Loggerhead Net 7:30pm Windmill Net 9pm	26 SWFTN 10:00am FMARC Net 7:00pm Newbie Net Follows after FMARC Net	27 SWFTN 10:00am FMARC General Meeting In Person and Zoom	28 SWFTN 10:00am ARES Net 7pm 220 NET 7:30pm FUSION Net 8:00pm	29 SWFTN 10:00am D-Star Net 7pm LDS Net 7:30pm CC Gabfest 8pm	30 SWFTN 10:00am	
<p>IMPORTANT NOTE: ALL MEETINGS ARE SUBJECT TO CHANGE DUE EOC AVAILABILITY. PLEASE CONFIRM THE STATUS AND LOCATION OF A MEETING OR EVENT BEFORE ATTENDING. IN-PERSON MEETING LOCATIONS ARE DESIGNATED IN THE EMAIL THAT ACCOMPANIES THE REMINDER.</p>						

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