



ARASWF

Newsletter



Vol. MMXVIII No. 6 - The Journal of the Amateur Radio Association of Southwest Florida
November 19, 2018

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The next Club Meeting will be held May 22nd at 7:00pm
at the Red Cross - 2610 Northbrooke Plaza Drive - Naples, FL

Message from the President

It's November and many of our seasonal members are back!

We have a busy schedule ahead. As I am writing this, Vick Farmer (NE1Y) and others are putting the finishing touches on the Field Day practice event scheduled for Nov 18. Our next member meeting is on Nov 27 and we will have a lot to discuss. Shortly after is the Christmas Party will be on December 1. We will not have a separate membership Meeting in December, so the next Membership Meeting is January 22.

Winter Field Day is Jan 26 and 27. In addition to the other antennas we have set up in the past, Vic Farmer is planning a Moxon antenna installation. It will be interesting to see how well it works.

We also are planning to have another picnic at Oil Well Park this year and we will repeat the Veterans Park event which was so successful last year.

There will be an ARES SET (simulated emergency training) on Saturday January 26. The purpose will be to test the range of the new 2 meter antennas on the Red Cross. Many thanks to Jerry Smith (NW9H) for all his work on the installation.

In cooperation with the Royal Palm chapter of QCWA, we will be participating in the first annual Ground Hog Day event. This will be held at Lely Manor (George's QTH AA4GT). This will be similar to last year's event and will be located in the shelter by the pond. Please remember to bring a lawn chair.

Under Mitch Wolfson's guidance, we continue to make progress on the Remote Access project. The radio and the computer have been delivered. Jerry Smith continues to make progress with the antennas. We hope to be trying it out very soon.

Please remember the Club Net on Wednesday at 7 PM on the 146.670 repeater. The last few nets have been pretty well attended and pretty lively.

Looking forward to seeing you all at the next meeting and at the Christmas Party.

73

Larry

Amateur Radio Association of Southwest Florida

Executive Board Meeting held at Mel's Diner Tuesday – October 16, 2018

Present:

Larry Kielasa, N4LAK – President
Frank Halas, W4RBW – Vice President
Jim Wilson, KN4IEY – Treasurer
Ken Bills, W9KB – Secretary
Mark Harms, AC4ZM – Director

Absent:

Craig Henning, NC2H – Director
Gary Lee, K8YMN – Director

MEETING MINUTES

Meeting called to order: The meeting was called to order at 7:03 pm.

President's Report – Larry greeted everyone present and discussed the Red Cross antenna discussions and updates on the newly installed VHF antennas.

Treasurer's Report – Jim-KN4IEY reported the club treasury balance was \$3,197.66

Old Business:

Issues List:

VE Testing: Mark-AC4ZM reported that one candidate upgraded last month.

New Business:

Committee Structure: Larry-N4LAK reported the status of the following committees:

- Antenna – Red Cross tri-bander rotor issues resolved
- Remote Radio Access – Equipment purchased, installation & setup later this season
- Repeater – Roof maintenance work at Marbella site has precluded site access
- Field Day – Looking for chairman
- Christmas Party – Perkin's (Pine Ridge) Saturday, December 1, 2018
- Contest Group – Vic Farmer-NE1Y has agreed to lead this group

Calendar: Club events will be added to calendar and published in Newsletter and website.

Remote Radio: A Kenwood TS-480 has been purchased and Red Cross has given approval for installation and setup.

501c(3) Status: Jim-KN4IEY reported the IRS return the previous application and requested additional information. He expects a final resolution shortly.

Member Meeting Agenda: The board discussed and set the agenda for October membership meeting.

Walk-In Items: Larry-N4LAK encouraged the board to check into the Wednesday night net. He plans to use Netlogger which tracks online member check-ins.

Next Board Meeting – Tuesday, November 13th (7pm)

Adjournment: The meeting was adjourned at 8:20 pm.

Respectfully submitted,

Ken Bills-W9KB
Secretary

Amateur Radio Association of Southwest Florida

Regular Membership Meeting held at the Naples American Red Cross.
Tuesday, March 28, 2017

Officers and	Larry Kiesala, N4LAK – President
Directors present:	Frank Halas – W4RBW -Vice President
	Jim Wilson, KN4IEY- Treasurer
	Ken Bills, W9KB – Secretary
	Mark Harms, AC4ZM – Director
	Craig Henning, NC2H – Director

Absent:	Gary Lee, K8YMN – Director
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Meeting called to order: Larry-N4LAK welcomed the members and guests and called the meeting to order, followed by the Pledge of Allegiance.

Introduction: All attendees were introduced by name and call sign. Twenty members were present and three guests.

Treasurer's Report: Jim-KN4IEY reported that Club checking balance was \$3,197.

Old Business:

VE Testing – Mark-AC4ZM reported that there we no test candidates this month.

Website Updates – No updates reported this month.

Repeater System Status – Larry-N4LAK reported that there had been roof construction at the Marbella Repeater site which had some affect on the reported signal strength. This should be resolved when the roof construction is completed. Larry also stated there appears to be an antenna issue with the D-Star repeater at the Dunes location. There is a planned antenna update which should resolve this concern.

New Business:

Club Net – Larry-N4LAK reported that the Club Net is operating on Wednesday evenings with check-ins at 7pm. He has been using Netlogger which offers “almost instant messaging” (AIM) which lets out of area members virtually check-in over the Internet.

Members can download Netlogger software at: <https://www.netlogger.org/>

Remote Access Radio Station – Mitch-K7DX reported that the Red Cross rotator control needs to be updated with a serial interface so that it can be integrated with the planned remote radio system. A Kenwood TS-480 has been purchased and ready for initial setup. An interesting discussion about lightening and station equipment protection evolved from a simple antenna question. Dr. Al addressed this topic previously and you can find his PowerPoint presentation on our website:

<http://araswf.org/new/category/resources/dr-als-presentations/>

A 40/80m vertical magnetic mounted antenna will be evaluated at the Red Cross to support the remote radio station. Once all the system elements have been installed, Mitch-K7DX will offer a remote radio operational training program.

Elections – Nominations are open for Officer and Director positions; our Club election will be held at the February meeting.

Christmas Party – Scheduled for December 1st at the Pine Ridge Road Perkins location. A flyer will be included in the November Newsletter.

Social Break:

50/50 Raffle was won by Jim-KN4IEY (\$44).

White Elephant Gift – It was suggested that members attending this year's Christmas Party bring a gift worth somewhere between five and twenty-five dollars.

Contest Chairman – A motion was made and seconded to nominate Vic Farmer-NE1Y the Contesting Chairman. It was passed unanimously. Vic proposed the following events:

- ARRL SSB Sweepstakes – November 17-18
- Winter Field Day – January 26-27
- Oil Well – Date TBD
- Veteran's Park – Date TBD

Next ARES Meeting – Tuesday, November 13th 7pm @ Red Cross

Adjourn: The meeting adjourned at 8:50pm.

Respectfully submitted,
Ken-W9KB, Secretary

Contest Calendar

November 2018

+ Run for the Bacon QRP Contest	0200Z-0400Z, Nov 19
+ Phone Fray	0230Z-0300Z, Nov 21
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 21 and 1900Z-2000Z, Nov 21 and 0300Z-0400Z, Nov 22
+ RSGB 80m Autumn Series, SSB	2000Z-2130Z, Nov 21
+ NAQCC CW Sprint	0130Z-0330Z, Nov 22
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 23
+ NCCC Sprint	0230Z-0300Z, Nov 23
+ CQ Worldwide DX Contest, CW	0000Z, Nov 24 to 2400Z, Nov 25
+ ARRL EME Contest	0000Z, Nov 24 to 2359Z, Nov 25
+ SKCC Sprint	0000Z-0200Z, Nov 28
+ QRP Fox Hunt	0200Z-0330Z, Nov 28
+ Phone Fray	0230Z-0300Z, Nov 28
+ UKEICC 80m Contest	2000Z-2100Z, Nov 28
+ RSGB 80m Autumn Series, CW	2000Z-2130Z, Nov 29
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 30
+ QRP Fox Hunt	0200Z-0330Z, Nov 30
+ NCCC Sprint	0230Z-0300Z, Nov 30
+ ARRL 160-Meter Contest	2200Z, Nov 30 to 1600Z, Dec 2

December 2018

+ Wake-Up! QRP Sprint	0600Z-0629Z, Dec 1 and 0630Z-0659Z, Dec 1 and 0700Z-0729Z, Dec 1 and 0730Z-0800Z, Dec 1
+ YARC QSO Party	1400Z, Dec 1 to 0259Z, Dec 2
+ TOPS Activity Contest	1600Z, Dec 1 to 1559Z, Dec 2
+ FT8 Roundup	1800Z, Dec 1 to 2359Z, Dec 2
+ EPC Ukraine DX Contest	2000Z, Dec 1 to 1959Z, Dec 2
+ Ten-Meter RTTY Contest	0000Z-2400Z, Dec 2
+ ARS Spartan Sprint	0200Z-0400Z, Dec 4
+ QRP Fox Hunt	0200Z-0330Z, Dec 5
+ Phone Fray	0230Z-0300Z, Dec 5
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 5 and 1900Z-2000Z, Dec 5 and 0300Z-0400Z, Dec 6
+ QRP ARCI Topband Sprint	0000Z-0300Z, Dec 6
+ SKCC Sprint Europe	2000Z-2200Z, Dec 6
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 7
+ QRP Fox Hunt	0200Z-0330Z, Dec 7
+ NCCC Sprint	0230Z-0300Z, Dec 7
+ PODXS 070 Club Triple Play Low Band Sprint	0000Z, Dec 8 to 2359Z, Dec 10

+ ARRL 10-Meter Contest	0000Z, Dec 8 to 2400Z, Dec 9
+ SKCC Weekend Sprintathon	1200Z, Dec 8 to 2400Z, Dec 9
+ International Naval Contest	1600Z, Dec 8 to 1559Z, Dec 9
+ QRP ARCI Holiday Spirits Homebrew Sprint	2000Z-2300Z, Dec 9
+ CQC Great Colorado Snowshoe Run	2100Z-2259Z, Dec 9
+ 4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Dec 10
+ NAQCC CW Sprint	0130Z-0330Z, Dec 12
+ QRP Fox Hunt	0200Z-0330Z, Dec 12
+ Phone Fray	0230Z-0300Z, Dec 12
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 12 and 1900Z-2000Z, Dec 12 and 0300Z-0400Z, Dec 13
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 14
+ QRP Fox Hunt	0200Z-0330Z, Dec 14
+ NCCC Sprint	0230Z-0300Z, Dec 14
+ UN DIGI Contest	1400Z-1559Z, Dec 14 and 1600Z-1759Z, Dec 14
+ Russian 160-Meter Contest	2000Z-2400Z, Dec 14
+ Feld Hell Sprint	0000Z-2359Z, Dec 15
+ OK DX RTTY Contest	0000Z-2400Z, Dec 15
+ Padang DX Contest	1200Z, Dec 15 to 1159Z, Dec 16
+ Croatian CW Contest	1400Z, Dec 15 to 1400Z, Dec 16
+ ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 16
+ Run for the Bacon QRP Contest	0200Z-0400Z, Dec 17
+ NAQCC CW Sprint	0130Z-0330Z, Dec 19
+ QRP Fox Hunt	0200Z-0330Z, Dec 19
+ Phone Fray	0230Z-0300Z, Dec 19
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 19 and 1900Z-2000Z, Dec 19 and 0300Z-0400Z, Dec 20
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 21
+ QRP Fox Hunt	0200Z-0330Z, Dec 21
+ NCCC Sprint	0230Z-0300Z, Dec 21
+ AGB-Party Contest	1600Z-1700Z, Dec 21
+ RAEM Contest	0000Z-1159Z, Dec 23
+ SKCC Sprint	0000Z-0200Z, Dec 26
+ Phone Fray	0230Z-0300Z, Dec 26
+ DARC Christmas Contest	0830Z-1059Z, Dec 26
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 28
+ NCCC Sprint	0230Z-0300Z, Dec 28
+ RAC Winter Contest	0000Z-2359Z, Dec 29
+ Original QRP Contest	1500Z, Dec 29 to 1500Z, Dec 30
+ Stew Perry Topband Challenge	1500Z, Dec 29 to 1500Z, Dec 30
+ Bogor Old and New Contest	0900Z-2359Z, Dec 31

Club Calendar

2018

Christmas Party	December 1, 2018 (Perkin's - Pine Ridge k
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2019

Winter Field Day	Jan 26-26 2019
Orlando Hamcation	Feb 8-10, 2019
Club Picnic at Veterans Park	February 16, 2019
Collier County Fair Booth	March, 2009
Operating Event at Oil Well Park	March 16, 2019
Florida QSO Party	April 27-28, 2019
Dayton Hamvention	May 17-20, 2019
ARRL Field Day	June 29-30 2019

ARASWF Christmas Party

December 1, 2018 at 6pm

Perkin's Restaurant @ Pine Ridge (west of I-75)



Please bring an appropriate gift to share per person.



Suggested gift value between \$5 and \$25 per person

California Fires Spur Amateur Radio Emergency Service Activations

Amateur Radio volunteers have been active or are standing by on several fronts as wildfires continue to rage in large sections of California.

Camp Fire

In Butte County, in northern California, the Camp Fire, the state's deadliest wildfire, triggered a call up of Amateur Radio Emergency Service (ARES®) members for communication support. A small wildfire that started in a mountainous area of Butte County quickly grew, due to high winds. Eventually more than 25,000 people were evacuated. As multiple shelters opened to assist evacuees, five [Sacramento Valley ARES](#) groups were called out to support communication

between the Red Cross Disaster Operations Center (DOC) and the shelters.



Sacramento Valley ARES volunteer Neil Bossard, N6CNY, is among those active in Northern California. [Photo courtesy of Greg Kruckewitt, KG6SJT]

The uncontrolled wildfire eventually consumed the town of Paradise, a town of some 27,000 residents. As of November 14, the Camp Fire covered some 145,000 acres (35% contained), killed more than 40 people, and destroyed nearly 8,000 structures.

Utilizing mutual assistance, more than 20 ARES members from five ARES groups are supporting the shelters. ARES members have also been tasked by Red Cross to shadow Red Cross delivery vehicles to provide communication in the mountain areas to the shelters.

ARES communication at the shelters has been carried out using voice, *Winlink*, and email to pass shelter counts, and tactical messages between the shelter and the Red Cross Disaster Operations Center and Cal Office of Emergency Services.

The Red Cross is supporting ARES at the shelters with hot spots and backup radios.

Working 12-hour shifts, Sacramento Valley Section District Emergency Coordinator 3 Michael Joseph, KK6ZGB, has been staffing the Red Cross radio station as net control for the DOC, passing messages and tracking ARES personnel. Sacramento ARES members have been pitching in as needed. Joseph also has been coordinating ARES deployments as needed.

Visit the ARRL [Sacramento Valley Section Facebook](#) page or [Twitter account](#) for more information. -- *Thanks to Sacramento Valley Section Emergency Coordinator Greg Kruckewitt, KG6SJT*

Woolsey Fire

The Woolsey Fire that swept through the westernmost portion of Los Angeles County, including Malibu, and the easternmost area of Ventura County in the ARRL Santa Barbara Section,

required the evacuation of more than 200,000 Los Angeles County residents -- an unprecedented number in recent decades. Evacuees included several celebrities, several of whom lost homes in the fire. More than 50 people have died in all fires, and more than 100 are still missing.

"[G]overnmental radio systems used by fire and sheriff held up well, even though cell phone and internet service went out in many fire areas because of burned utility poles," said Los Angeles Section Manager Diana Feinberg, AI6DF.

"Evacuees went to areas where cell phone service was generally available."



Feinberg said Los Angeles ARES ([ARES LAX](#)) has not been activated because no county hospitals are in the affected area and no hospital outside the fire zone was in danger of losing communication. She added, though, that a sizable team of ARES LAX operators organized by LAX-Northwest District Emergency Coordinator Roozy Moabery, W1EH, did extensive logistics work over the November 10 - 11 weekend at a major drop-off site in the San Fernando Valley for evacuee supplies. ARES team members worked with other volunteers to accept nearly 10 tons of pet food, plus thousands of boxes of items such as soap, toothpaste, toothbrushes, shampoo, conditioner, razors, lotion, feminine care products, and sunscreen, as well as baby food, formula, diapers and wipes, towels and bedding, snacks, and non-perishable food items, Feinberg said.



Firefighting efforts continue in residential neighborhoods.
[Photo courtesy of LA County Fire Department]

On the air for the Woolsey Fire, both the Los Angeles County Disaster Communications Service (DCS) -- Amateur Radio volunteers overseen by the Sheriff's Department -- and the City of Los Angeles Fire Department Auxiliary Communication Service (ACS) operated nets and monitored their respective frequencies. "The DCS group at Lost Hills Sheriff Station covers most of the Los Angeles County areas affected by the Woolsey Fire and communicated with organized amateurs in the cities of Calabasas, Agoura Hills, Hidden Hills, Malibu, Westlake Village, and unincorporated mountain areas when not affected by respective mandatory evacuation orders," Feinberg said. "The City of Los Angeles' ACS group was involved when the city's West Hills neighborhood in the San Fernando Valley became the fire's northeastern front, forcing about half of the West Hills community to evacuate." Santa Barbara Section Manager John Kitchens, NS6X, told ARRL that Ventura County ACS

(ARES) is supporting evacuation centers and the Red Cross, in the Santa Barbara Section.

Feinberg said ACS members have also been involved with delivering food and water supplies to LAFD firefighters and performing fire patrols. American Red Cross volunteers are reported to be using Amateur Radio in connection with some of their fire response activities, Feinberg reported. The Woolsey Fire covers nearly 100,000 acres and was reported 47% contained as of November 14. Read [more](#). -- *Thanks to Diana Feinberg, AI6DF*

Maritime Mobile Service Network Operators Assist Vessel with Ill Crew Member

Amateur Radio operators associated with the Maritime Mobile Service Network ([MMSN](#)) played a significant part in summoning medical assistance on November 9 for a crew member suffering chest pains on board the 48-foot sailing vessel *Marie Elena*, some 300 miles east of Bermuda.

"The assistance we received from the ham radio operator[s] crucial in helping us communicate with the vessel's crew," US Coast Guard Petty Officer 1st Travis Unser said afterward. Unser was the search-and-rescue coordinator for the incident.

MMSN member Donald Plunkett, VA6FH, heard a call for medical assistance at 1650 UTC on the net's 14.300 MHz frequency from Nick Cancro, KC2WRH, the captain of the *Marie Elena*.



was

Cancro reported that a crew member was experiencing severe chest pains and needed medical assistance. Fellow MMSN operator Fred Moore, W3ZU, of Inverness, Florida, had good propagation with the *Marie Elena* and contacted the vessel, linking it via a phone patch to the US Coast Guard Station in Norfolk, Virginia. The Coast Guard was able to connect the patient directly to medical personnel via the phone patch to ascertain symptoms and prescribe first aid measures prior to medical assistance arrival. Moore arranged with the *Marie Elena* to contact him at the bottom of the hour throughout the night and to call immediately if the patient's condition worsened. The US Air Force also came on frequency at the Coast Guard's request to evaluate the situation and see if it could assist.



The ailing crewman is lifted from the deck of the USCG cutter *Spencer* into a MedEvac helicopter. [USCG video]

Due to the sailboat's distance offshore, the Coast Guard directed the captain to head toward Cape Hatteras, North Carolina. The Coast Guard then redirected the cutter *Spencer*, under way near the Virginia-North Carolina border, toward the *Marie Elena*. The *Spencer* rendezvoused with the sailboat at about 1230 UTC on November 10, launching a small boat crew and transporting the man aboard the cutter. A short time later, a helicopter crew was able to hoist the man aboard from the *Spencer* and transport him to a hospital in Norfolk. Moore was assisted by a relay station Mark Strothmann Sr., KC9YRX, in Wisconsin, who provided much-needed information throughout the incident. Additional MMSN members pitched in as well.

"This was a true team effort, and I am proud of the members of this organization who train for just this type of event. They performed in an exemplary fashion," said MMSN Manager Jeff Savasta, KB4JKL.

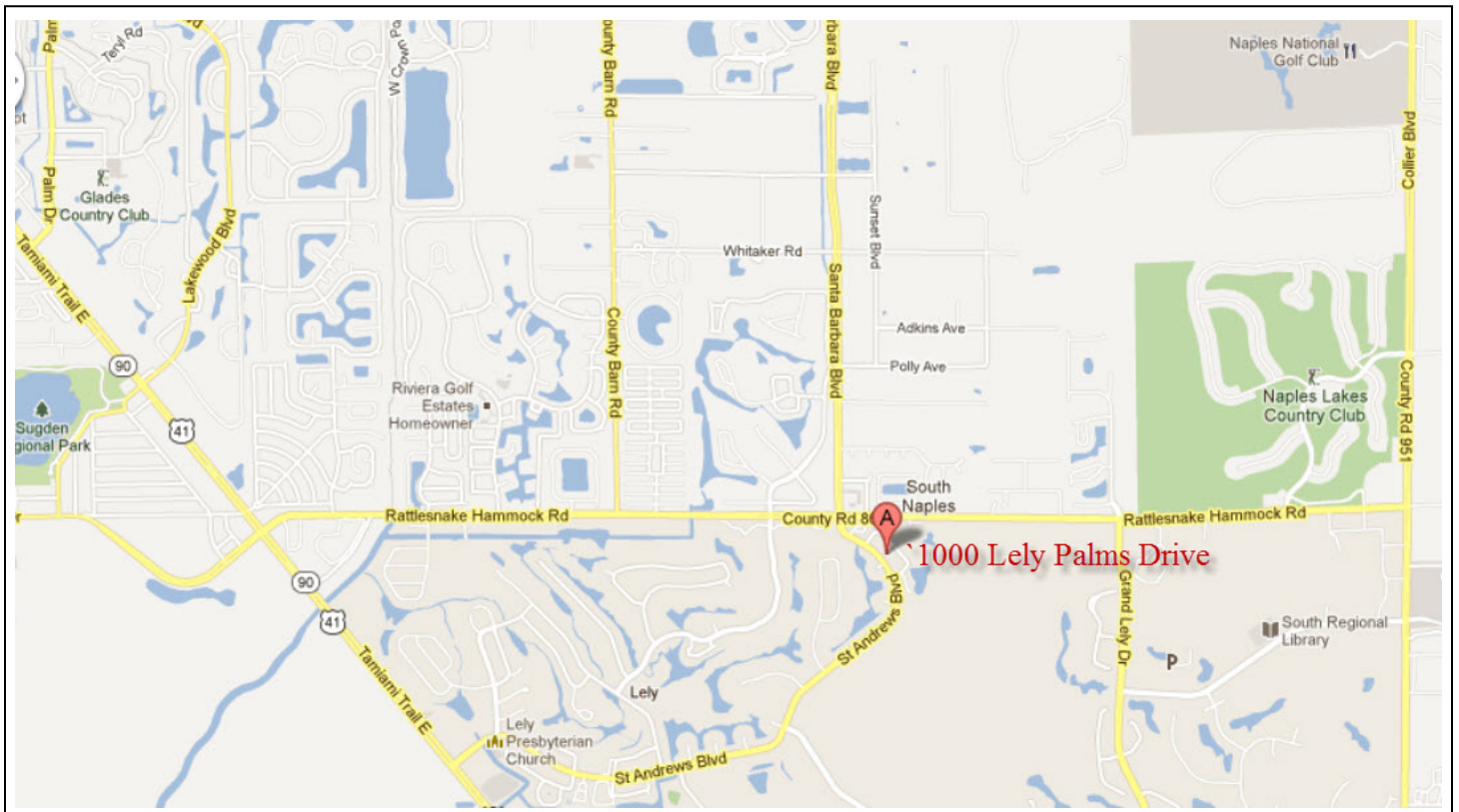


Royal Palm Chapter 152 meets every second Thursday of the month

at the Lely Palms Manor, Next Luncheon Meeting: December 13th at 12:15 pm

1000 Lely Palms Blvd.

Naples, FL 34114



**AMATEUR RADIO ASSOCIATION
OF SOUTHWEST FLORIDA, INC.**

MEMBERSHIP APPLICATION

I hereby petition the officers and members of the AMATEUR RADIO ASSOCIATION OF SOUTHWEST FLORIDA, INC. for membership. I attest that I hold a current FCC issued Amateur Radio License, and that I will follow legal procedures and protocol, and conduct myself in a manner that will further Amateur Radio.

NAME: _____ **CALL:** _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

PHONE: _____ **EMAIL:** _____

LICENSE CLASS: _____ **ARRL MEMBER:** ☐ YES ☐ NO

HAVE YOU EVER PREVIOUSLY BEEN A MEMBER OF ARASWF ☐ NO ☐ YES - Year _____

SPOUSE'S NAME: _____

SPOUSE'S CALL (If Applicable): _____ **SPOUSE'S LICENSE CLASS:** _____

OUT OF AREA ADDRESS (If Applicable): _____

OUT OF AREA PHONE (If Applicable): _____

This Application must be filed prior to the Membership Business Meeting at which time action will be taken. It is not mandatory that the applicant be in attendance.

The Membership Business Meetings are held the fourth Tuesday of every month at 7:00 PM (except June, July, August and December) at the American Red Cross Building at 2610 Northbrooke Plaza Drive, Naples, Florida.

The ARASWF Newsletter is distributed monthly by e-mail prior to the monthly Membership Business Meeting and contains meeting dates, location and other information, and will be sent to the e-mail address indicated on this Application. If you do not have an e-mail address, the please notify us and request that the Newsletter be sent to you via U.S. Mail.

Please mail this Application with a copy of your Amateur Radio License and a check or money order in the amount of \$25.00 (annual membership dues), to the ARASWF at the address below. Paid membership is valid for one calendar year. If a new member's Application is dated after July 1st, the annual membership dues are one-half the annual dues amount, and a check or money order in the amount of \$12.50 should accompany this application.

Please make checks or money orders payable to "Amateur Radio Assn. of Southwest Florida", or to "ARASWF".

**Amateur Radio Assn. of Southwest Florida
P.O. Box 111604
Naples, FL 34108**



Amateur Radio Emergency Service®

ARES® Registration Form

Name:	
Call Sign:	
Mailing Address:	
City, State, ZIP code:	
e-mail address(es):	
Home phone number:	
Work phone number:	
Cell phone number:	
License Class:	

Check bands and modes that you can operate:

MODE	HF	6 meters	2 meters	222 MHz	440 MHz	Others	
SSB							
CW							
FM							
DATA							
PACKET							
Other modes (specify below)							
Mobile Operation							

Can your home station be operated without commercial power? Yes [] No []

Signature _____ Date _____

Contact ARES® and ARRL Section Leaders in your area: www.arrl.org/sections/.

Learn about ARRL-sponsored Amateur Radio Emergency Communications Courses:

www.arrl.org/online-course-catalog

Club Information

Next Meeting Time: November 27nd @ 7:00PM

Meeting Location:
American Red Cross
2610 Northbrooke Plaza Drive
Naples, FL

Club Repeaters:

- ARASWF FM - WB2QLP 146.670 MHz (-600 kHz) PL 136.5 HZ
- ARASWF D-Star – AA4PP 145.490 MHz (-600 kHz)/441.5 MHz (5.0kHz)
- ARASWF D-Star – AB4NP 145.270 MHz (-600kHz)
- ARASWF EmComm – K4YHB 147.030 MHz (+600 kHz)
- ARASWF DMR – AB4NP 444.9875 MHz (+5 MHz)

2017 Club Officers:

President: Larry Kielasa – N4LAK@araswf.org
Vice President: Frank Halas – W4RBW@araswf.org
Treasurer: Jim Wilson – KN4IEY@araswf.org
Secretary: Ken Bills – W9KB@araswf.org
Director: Mark Harms – AC4ZM@araswf.org
Director: Craig Henning - NC2H@araswf.org
Director: Gary Lee – K8YMN@araswf.org
Newsletter Editor: Larry Kielasa – N4LAK@araswf.org
Webmaster: Craig Henning – NC2H@araswf.org

Club Website:

<http://www.araswf.org>

Visit
the



**Amateur Radio Association
of Southwest Florida, Inc.**

Web Site

www.araswf.org