



ARASWF

News Letter



**Vol. MMXXVI No. 8 - The Journal of the Amateur Radio Association of Southwest Florida
August 5th, 2026**

**The August 5th Meeting will be held at
PERKINS ON PINE RIDGE
3585 Pine Ridge Rd, Naples, FL 34109. Time is 6 pm**

Link to balloon site <http://sites.google.com/view/blueoceanadventures>

updated site, new location.

The 146.670 repeater has Echo link reinstalled. W9PCI-R Node 385956

Club Nets are held on the 146.670 -136.5 or the 147.030 +136.5 repeaters.

ARESCC Nets will be when called for.

ARASWF Information Net is Tuesday at 7:30 pm.

please volunteer

And are in need of Net Control operators,

Sunday's Backwoods Net on 147.030 Mhz +136.5 at 7:30pm

Allstar node 41860. See <http://stats.allstarlink.org/nodeinfo.cgi?node=41860>

Net coordinator:

Foster Kawaler K4FEK

efraim1@juno.com

**Amateur License Exams
Monthly, 1st Tuesday, 5:30 pm
Doors open at 5 pm
appointment required
text, phone, or email
for information and location**

**Mark Harms
239 331-9616
AC4ZM@ARASWF.ORG**



Club Meetings for June, July, and August
will be held at Perkins on Pine Ridge
the first Wednesday at 6pm



**Meetings now held at
Naples Aviation Pilot's Lounge
250 Aviation Dr. South
Naples, FL. 34104**

CLUB OFFICERS

New member alert from passing an Amateur License Test

President	AC4ZM	Mark	Director	K4FEK	Foster
VP		OPEN	Director		OPEN
Finance	KBOJL	Rob	Director	WA2FHX	Dennis
Secretary		OPEN	Director	N4YE	John
VE Testing	AC4ZM	Mark	Web Master	NC2H	Craig

Martin Marks	Technician	KR4NPZ
In Person	Online computer testing	

We have tested 5 people for 2026

**NEW 145.300 -136.5 K1NEW Repeater on the
NEW 145.150 -141.3 CCSO Repeater on the**

**“ BES Building “ Give it a try – often.
“SAR tower near US-29 & US 41**

**Thank you from the President
AC4ZM Mark**

ANTENNAS and Impedance

A few General Questions from the Pool

- T7B11 (C) Which of the following can eliminate distorted voice transmissions?**
- A. Adding extra feedline to the antenna to lower SWR**
 - B. Turning the radio on and off to reset the computer-controlled circuitry**
 - C. Adding a clip-on ferrite "choke" to the microphone cable to prevent the transmitted signal from feeding back into the transmitter**
 - D. Turning the squelch control fully clockwise to prevent the transmitted signal from triggering the squelch circuit**
- T0B08 (D) Which is a proper grounding method for a tower?**
- A. A single four-foot ground rod, driven into the ground no more than 12 inches from the base**
 - B. A ferrite-core RF choke connected between the tower and ground**
 - C. A connection between the tower base and a cold-water pipe**
 - D. Separate eight-foot ground rods for each tower leg, bonded to the tower and each other**
- T6A07 (D) What electrical component is typically constructed as a coil of wire?**
- A. Transistor**
 - B. Capacitor**
 - C. Diode**
 - D. Inductor**
- T9A05 (C) Which of the following increases the resonant frequency of a dipole antenna?**
- A. Lengthening it**
 - B. Inserting coils in series with radiating wires**
 - C. Shortening it**
 - D. Adding capacitive loading to the ends of the radiating wires**
- T6A06 (C) What type of electrical component stores energy in a magnetic field?**
- A. Resistor**
 - B. Capacitor**
 - C. Inductor**
 - D. Diode**
- T6A07 (D) What electrical component is typically constructed as a coil of wire?**
- A. Transistor**
 - B. Capacitor**
 - C. Diode**
 - D. Inductor**
- T9B02 (B) What is the most common impedance of coaxial cables used in amateur radio?**
- A. 8 ohms**
 - B. 50 ohms**
 - C. 600 ohms**
 - D. 12 ohms**
- T7C06 (D) What does an SWR reading of 4:1 indicate?**
- A. Loss of -4 dB**
 - B. Good impedance match**
 - C. Gain of +4 dB**
 - D. Impedance mismatch**

If anyone is aware of other members who are not well or in the hospital please notify
AC4ZM Mark so we can reach out to them.

Also if anyone would like to donate their equipment to the club :

Text or phone (239)-331-9616

Email AC4ZM@hotmail.com

South of the orange tree !

VE, ARASWF, Board, and ARESCC Meeting Dates (2026-2027)

VE Testing
5:00 pm Doors open
By Appointment

Tuesday
Year 2026

05/05/26
06/02/26
07/07/26
08/04/26
09/01/26
10/06/26
11/03/26
12/01/26

Year 2027

01/05/27
02/02/27
03/02/27
04/06/26
05/04/26

ARASWF Club Meeting
6:00 pm – 8:00 pm
Veterans Community Park
Off Immokalee Road
Wednesday

05/06/26
06/03/26 Perkins
07/01/26 Perkins
08/05/26 Perkins
09/02/26
10/07/26
11/04/26
12/02/2026 (Restaurant)

01/06/27
02/03/27
03/03/27
04/07/26
05/05/26

Board Meeting
12:00 noon – 1:00 pm
Perkins Restaurant
Pine Ridge Road
Wednesday

05/20/26
06/17/26
07/22/26
08/19/26
09/23/26
10/21/26
11/18/26
12/16/26

01/20/27
02/17/27
03/24/26
04/21/26
05/19/26

ARESCC Meeting
3:00 pm – 4:30 pm
Naples Airport
250 Aviation Drive S
Thursday

05/28/26
06/25/26
07/30/26
08/27/26
09/24/26
10/29/26
11/19/26
12/17/26

01/28/27
02/25/27
03/25/27
04/29/26
05/27/26

ARASWF Meeting @ Perkins
July 1, 2026

Name

CALL SIGN
IF ANY

Rob Timm

KBØJL

Dan Curry

KR4MRH

Donna Curry

KR4MRG

MARTIN MARKS

Johanna Beattie

N4YE
K04DK E

Rich Naples

AC4ZM

MARK

Arlen Hatlostad

W9PCI

WAYNE PAULEY

K8NPD

Ray Zollo

W2RAY

DENNIS BUONOCORE

W2FAH

Vern Brownell

W1VB

The club is looking for some active members !!

**A VP, Secretary, Director, and
A few "Project Leaders" are needed !!**

**Join in on the club's fun activities
and radio practices.**

FMARC Ham Fest in Ft Myers

Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec

Winter Field Day (Half Marathon--ARES)

Picnic

Fox Hunt in Collier County, late lunch after
Florida QSO Party

ARRL Field Day

Picnic

Fox Hunt in Collier County, late lunch after

Year End Party in lieu of a meeting
1st Wednesday

Antenna matching with coax coils

To match an antenna with a coil of coax, you are likely referring to a Quarter-Wave ($\lambda/4$) Coaxial Matching Section or a Coaxial Choke Balun. This technique transforms an antenna's unmatched impedance into the 50 Ω impedance required by your transceiver.

1. Using Coax as an Impedance Transformer ($\lambda/4$ Matching Section)

If your antenna has an impedance other than 50 Ω (e.g., 100 Ω or 25 Ω), you can use a specific length of coaxial cable as a transformer to step it up or down.

The Formula: The impedance of the matching coax (Z_0) is calculated as:
($Z_0 = \sqrt{Z_{\text{antenna}} * Z_{\text{feedline}}}$)

The Length: The physical length of the coax coil must be an odd multiple of a quarter-wavelength (e.g., $1/4(\lambda)$, $3/4(\lambda)$, etc.).

$$L = \{246 \times VF\} / (F_{\text{MHz}})$$

L: Physical length in feet

VF: Velocity factor of your coax (usually 0.66 for solid polyethylene, 0.80 to 0.85 for foam)

F_{MHz}: Your operating frequency in Megahertz

2. Using Coax as a Choke Balun

If your intent is to create a 1:1 "ugly balun" to prevent RF from traveling down the outside of the coax (common-mode current), you coil a specific length of the main 50 Ω feedline.

The Technique: Wrap 5 to 10 turns of your coaxial cable into a tight, circular coil.

Dimensions: Make the coil diameter about 4 to 6 inches, usually taped tightly together. This coiled section chokes off unwanted currents on the shield without changing the impedance of your system

3. Creating an L-Network with Coax

If the antenna's impedance has a reactive component, you can coil or trim a section of coax so that it provides the exact inductive or capacitive reactance needed to cancel out the mismatch. This is done by varying the length and shape of the coil until your SWR meter registers an ideal 1:1 ratio.

We use 50-ohm (Ω) impedance matching as a standard in RF (Radio Frequency) and microwave engineering because it provides the optimal balance between low signal loss and high power handling capability.

DIY Winding Guide (Air-Core Choke)

To build an effective choke for the HF band (1.8 MHz - 30 MHz), you will need a 3-to-4-inch diameter form (such as a piece of PVC pipe) and a length of your coaxial cable (e.g., RG-8X or RG-213).

Cut to Length:	Ensure the coax is long enough to reach from your antenna feed point to your radio gear, plus enough extra cable to wind the coil.
Wind the Coil:	Wrap the coaxial cable in tight, side-by-side turns around the PVC form.
Placement:	Mount the choke as close to the antenna feed point as possible to stop common-mode currents at the source.
Determine Turns:	The required number of turns depends on your targeted frequency: 160m Band (1.8 MHz): 20 - 25 turns 80m/40m Bands (3.5 - 7 MHz): 15 - 18 turns 20m - 10m Bands (14 - 30 MHz): 8 - 12 turns



**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 first Wednesday of every month at 6:00 PM at the Veterans Park small Building by the dog run. The address is 1895 Veterans Park Drive, Naples, Florida 34109. The club meetings are held at other locations during the summer months.

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.

Membership is \$30.00 (annual membership dues). Pay multiple years if you like (3)
Attend a meeting and give this Application and remittance to the treasure.
You may also mail this Application with a check or money order to ARASWF at the address below.
On-line Application and Remittance at <https://www.araswf.org/join-renew-araswf/>
Paid membership is valid for one calendar year. Pay multiple years if you like (3)

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**

February 18, 2026



Amateur Radio Emergency Service ® ARES Registration Form



ARES COLLIER COUNTY, INC.

Name:	
Call Sign:	
Mailing Address:	
City, State Zip:	
E-mail address (es):	
Home Phone Number:	
Work Phone Number:	
Cell Phone Number:	
License Class:	

Check bands and modes you can operate:

Mode	HF	6 meters	2 meters	222 MHz	440 MHz	other
SSB						
CW						
FM						
DATA						
PACKET						
Other modes (specify below)						
Mobile Operations						

Can your home station be operated with out commercial power YES [] No []

Signature _____

Date _____

Meetings are held monthly at
Naples Aviation Pilot's Lounge
250 Aviation Drive South, Naples, FL. 34104
And are held the on the last Thursday at 1:30 pm,

ARES Nets will be when called for.
on the 146.670 or 147.030 repeaters !!

Unless otherwise mentioned.

Contact: Tom Dussautt K1NEW at k1new@arrl.net

Amateur Radio Emergency Service of Collier County, Inc.
P. O. Box 111604
Naples, FL 34108

501(c)3 not for profit
EIN: 88-2507613
(***Make checks payable to ARESCC, Inc.***)

Donation would be greatly appreciated, Any amount (\$5 to \$500). Will provide a tax deductible receipt.

June 21, 2025