



CLIFF-HANGER



January 2023 Newsletter

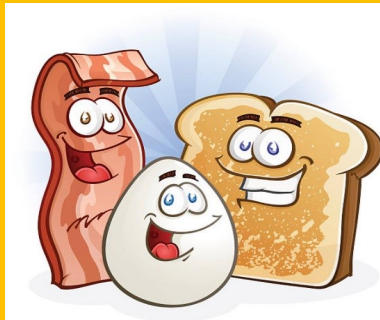
Join Us For Our Monday Night ATARA Off-Grid Radio Team Net at 8:00 PM on
Simplex 146.400!!

All Amateur Operators Invited. You Do Not Have To Be a Member to Participate.

ATARA Club Breakfast

When: Sat, January 14th, 2023
8am – 9am

Where: Deb's Corner Cafe,
537 N Broad St, Lancaster, OH
43130, USA



**CLICK EACH
LINK BELOW**



Meeting Schedule

2nd Tuesday Exams

3rd Tuesday is ATARA OFF-GRID
Meeting

4th Tuesday Club Meeting

MORVAC HamFest 3-11-2023 Bidwell Ohio

RV Radio HamFest 5-13-2023 Berlin Ohio

HamFest Convention 5-19-5-21-2023 Dayton Xenia

Remember Our Thursday ATARA Night Net

8:00 PM on 145.210 Repeater



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Just a Reminder....

**December Regular Meeting
Feature Speaker...**

Tom Sly, WBSLCD, Ohio Section Manager



Tom Sly was appointed by ARRL Radiosport and Field Services Manager Bart Jahnke, W9JJ, after consulting with Great Lakes Division Director Dale Williams, WA8EFK. The Section Manager appointment extends through September 30, 2022.

Sly is an ARRL Life Member and has served as Ohio Section Affiliated Club Coordinator since 2017. He is past president of the Portage County Amateur Radio Service (PCARS) and has been a radio amateur since 1968.

**Tom's topic for his presentation will be on
the
"History of Ham Radio"**



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January Special “A Candid Interview with” Harold Skinner “KESOUR” of ATARA

I am a relatively new Ham, first licensed in Covid 2020, played on 2 meters, built a couple of homebrews 2 meter antennas to play with.

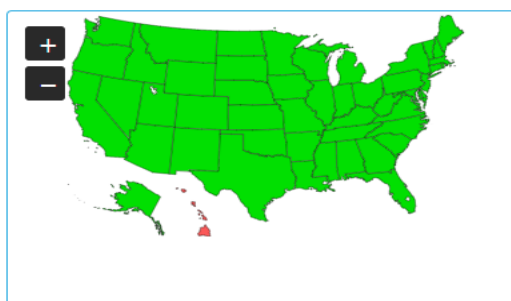
In April 2022 finally got my first HF rig, bought a used (barely used) ICOM 7300. Absolutely love it.

My QTH antenna is the “[MyAntennas.com](https://www.myantennas.com)” EFHW-4010. Connected to the corner of my house up into a tall wild cherry tree. Guesstimate it is about a 45 degree angle currently running 75-100 Watts.



QSOs: 1544 | Confirmed: 945 | Countries: 36

Award Application



Activated first POTA Park K-8634 Cooper Hollow - A little rough but we gotter done, Learned a lot.



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January Special "A Candid Interview with" Harold Skinner "KESOUR" of ATARA





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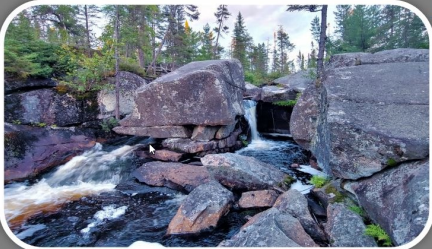
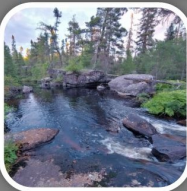

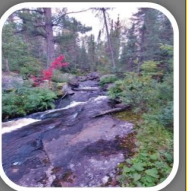
January Special “A Candid Interview with”

Harold Skinner “KESOUR” of ATARA

Have activated 10 unique parks in three states and two countries and have 25 park to park contacts.

Most rememberable of all the parks is VE-0349 Potholes Provincial Park Canada. This park had never been activated before or since.

Park Leaders			
Activations		Activator QSOs	
1.	 KE8OUO	1	 KE8OUO 29
2.	 KE8OUR	1	 KE8OUR 29
3.			
4.			







KE8OUO\VE3 & KE8OUR\VE3

First Activation Of
Park VE-0349

First POTA Contact:
W9MET
2022-08-31 22:20
20M 14.307 558 59

Thanks For Hunting Us
Down and being the
First Contact into the
Park! 73



Love the outdoors, fishing, bowhunting, hiking.
Trout fishing on the Madison River in Montana.
Retired Airforce, Loadmaster on C-130's E&H models, & HC130's.

Special Note from this Editor: I wanted to share with you how much I love the hobby and Harold has given me an newly added reason to love it just that much more. To be able to be on a bank, boat, or wadding my special “Fishing Spot” I can still be part of our Thursday night Nets..... Go HAROLD!!!!



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Harold... You have taught me well.

Dottie,

**Do you know where I
put my Yeasu HT???
It's Thursday Night
Net on 145.210 MHz.**





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Cold Stress Hazards..

Safety Talk Ideas

Safety Officer: Kevin Frank, KSKDF safety@atara-w8atr.fun

Cold Stress Safety Talk

Cold weather and environments pose many hazards to employees who work in these conditions. A cold environment forces the body to work harder to maintain its temperature. An environment that is considered “cold” depends on the region of the country and the individual. Each unique situation needs to be analyzed and addressed individually to keep employees safe.

Cold Stress Health Hazards

(source: www.cdc.gov)

Frostbite is an injury to the body that is caused by freezing. Frostbite causes a loss of feeling and color in the affected areas. It most often affects the nose, ears, cheeks, chin, fingers, or toes. Frostbite can lead to permanent damage or amputation of the affected areas. First aid for frostbite: Get the victim into a warm area immediately. Do not walk on frostbitten toes or feet. This will cause more damage. Use warm water to warm the affected areas up. Hot water can burn the affected area.

Trench foot, also known as immersion foot, is an injury of the feet resulting from prolonged exposure to wet and cold conditions. Trench foot can occur at temperatures as high as 60 degrees F if the feet are constantly wet. Wet feet lose heat 25 times faster than dry feet. To prevent heat loss, the body constricts blood vessels to shut down circulation in the feet. Skin tissue begins to die because of lack of oxygen and nutrients and due to the buildup of toxic products. First aid for trench foot: Remove any wet socks or boots. Dry feet and do not walk on them, as this can cause more damage if already affected.



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Cold Stress Hazards..

Safety Talk Ideas

Safety Officer: Kevin Frank, KSKDF safety@atara-w8atr.fun

Hypothermia– When exposed to cold temperatures, your body begins to lose heat faster than it can be produced. Prolonged exposure to cold will eventually use up your body's stored energy. The result is hypothermia, or abnormally low body temperature. A body temperature that is too low affects the brain, making the victim unable to think clearly or move well. First aid for hypothermia: Alert a supervisor and get medical help on the way. Move the victim into a warm area. Warm the center of their body first-chest, neck, head, and groin area-using an electric blanket, if available; or use skin-to-skin contact under loose, dry layers of blankets, clothing, towels, or sheets. If the victim is not breathing, begin CPR until the paramedics arrive on the scene.

Safe Work Practices for Cold Environments

Eliminate or limit work as much as possible when extremely cold temperatures are present. (The ACGIH established recommendations for work in colder temperatures [that can be found here.](#))

- Allow for acclimatization to cold environments or weather. If the weather is extremely cold for the area or time of year, you will not yet be used to it and are more susceptible to succumbing to a cold-related illness.

Layer up on [clothing](#) and keep clothes dry. It is important to remove any wet clothing or boots and put on dry items when working in a cold environment.

- Take breaks in warm areas or vehicles as needed.
- Drink warm beverages to help warm up your core temperature.

Monitor the condition of other workers around you. If you notice something could be wrong, get them into a warm area and notify a supervisor.



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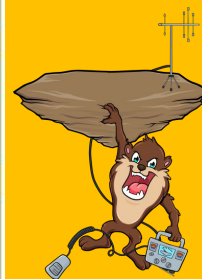


Check out the message at the bottom of the
Calendar. Never miss a meeting again. It ZOOM Time.

January Calendar of Events



CLIFF-HANGER		January 2023				
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2 8:00 OGRT Simplex Net	3	4	5 8:00 ATARA Club Net	6	7
8	9 8:00 OGRT Simplex Net	10 7:00 VE Testing Session	11	12 8:00 ATARA Club Net	13	14 8:00 ATARA Breakfast
15	16 8:00 OGRT Simplex Net	17 7:00 Off- Grid Radio Team Mtg.	18	19 8:00 ATARA Club Net	20	21
22	23 8:00 OGRT Simplex Net	24 7:00 ATARA Club Mtg.	25	26 8:00 ATARA Club Net	27	28 Winter Field Day
29 Winter Field Day	30 8:00 OGRT Simplex Net	31				



**Zoom Meeting Link will be sent out
before our regular monthly meeting.**





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Lancaster OH 43130-4048

EXAM SESSION

01/10/2023
Sponsor: ATARA
Date: January 10th, 2023
Time: 7:00 PM (No Walk-ins / Register or Call ahead)
Contact: Jarrod K. Combs
Email: ke8mbl@outlook.com
VEC: [ARRL/VEC](#)
Location: Grace Comm Church and Fellowship
904 E Main St
Lancaster OH 43130-4048

Lancaster OH 43130-4048

EXAM SESSION

02/14/2023
Sponsor: ATARA
Date: February 14th, 2023
Time: 7:00 PM (No Walk-ins / Register or Call ahead)
Contact: Jarrod K. Combs
Email: ke8mbl@outlook.com
VEC: [ARRL/VEC](#)
Location: Grace Comm Church and Fellowship
904 E Main St
Lancaster OH 43130-4048

Lancaster OH 43130-4048

EXAM SESSION

03/14/2023
Sponsor: ATARA
Date: March 14th, 2023
Time: 7:00 PM (No Walk-ins / Register or Call ahead)
Contact: Jarrod K. Combs
Email: ke8mbl@outlook.com
VEC: [ARRL/VEC](#)
Location: Grace Comm Church and Fellowship
904 E Main St
Lancaster OH 43130-4048

E X A M S S C H E D U L E

Lancaster OH 43130-4048

EXAM SESSION

04/11/2023
Sponsor: ATARA
Date: April 11th, 2023
Time: 7:00 PM (No Walk-ins / Register or Call ahead)
Contact: Jarrod K. Combs
Email: ke8mbl@outlook.com
VEC: [ARRL/VEC](#)
Location: Grace Comm Church and Fellowship
904 E Main St
Lancaster OH 43130-4048

Lancaster OH 43130-4048

EXAM SESSION

05/09/2023
Sponsor: ATARA
Date: May 9th, 2023
Time: 7:00 PM (No Walk-ins / Register or Call ahead)
Contact: Jarrod K. Combs
Email: ke8mbl@outlook.com
VEC: [ARRL/VEC](#)
Location: Grace Comm Church and Fellowship
904 E Main St
Lancaster OH 43130-4048

Lancaster OH 43130-4048

EXAM SESSION

06/13/2023
Sponsor: ATARA
Date: June 13th, 2023
Time: 7:00 PM (No Walk-ins / Register or Call ahead)
Contact: Jarrod K. Combs
Email: ke8mbl@outlook.com
VEC: [ARRL/VEC](#)
Location: Grace Comm Church and Fellowship
904 E Main St
Lancaster OH 43130-4048



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January 2023 Newsletter

ATARA Christmas Party was a great Success

The Photo's Tells the Story... :-)





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January 2023 Newsletter

ATARA Christmas Party was a great Success

The Photo's Tells the Story... :-)





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January 2023 Newsletter

Elmer's Corner.. Terry Crabtree "NSTFC

Special Thanks for his Contribution

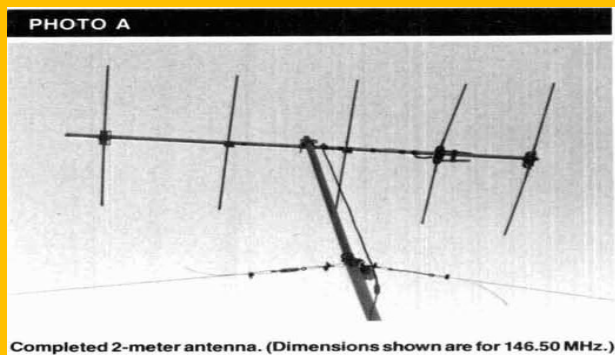
TV ANTENNA TO 2-METER ANTENNA CONVERSION

"The Weekender from January 1990" By Karen D. McIntyre N4FQO, Omaha, NE"

As a very new ham, licensed for just a month, I found the idea of building a 2-meter antenna rather intimidating. However, my XYM (Ex-Young-Man) said if I wanted one, it was up to me to build it. Thus challenged I set to work.

I had originally planned a simple three-element beam, but because I find it impossible to keep anything simple, the antenna grew to five elements before I was out of the planning stage. It's an amazingly simple antenna to build—even for a rookie. All you need is three free hours, a scavenged TV antenna, some stainless steel hardware (nuts, bolts, flat and lock washers, and two solder lugs). 7 feet of RG58/U coax, a PL-259 coax connector, and a few strips of flat metal or wire (for the beta match).

This is also an inexpensive antenna to build, though the actual cost will depend on your scavenging ability. In my case, it only cost me \$3.00 for some hardware I couldn't find in my husband's junk boxes. I garnered my TV antenna by climbing up on our shed and unbolting an unused antenna abandoned by the previous owners. My husband realized he had created a monster when I dragged it into the dining room to begin work on my creation! The fruits of my labor are shown in **Photo A**.





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January 2023 Newsletter

Elmer's Corner.. Terry Crabtree "N8TFC"

Special Thanks for his Contribution

Selecting the antenna...

You can use almost any TV antenna of the Yagi or log-periodic type, provided that it's in fair to good condition. Insulate the driven element from the boom. Don't use a folder dipole without a matching transformer.

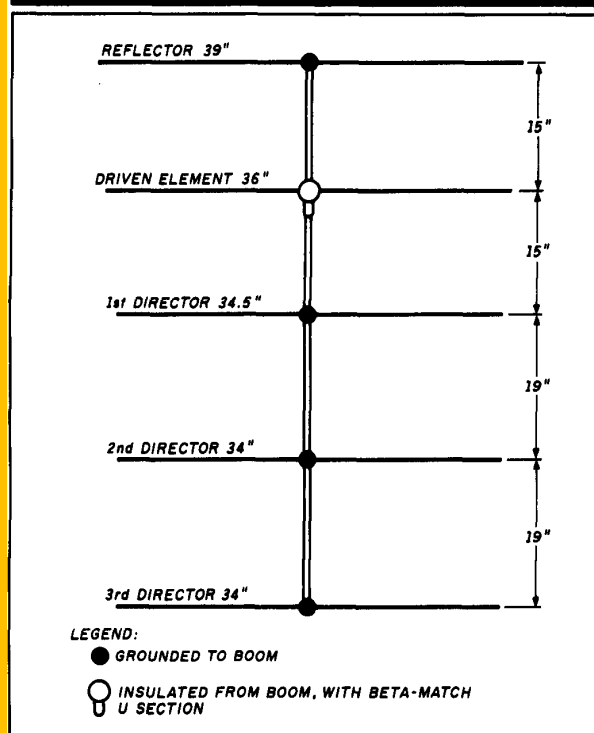
Make sure the TV antenna you choose has at least 71" of boom. Any excess length may be either left alone or cut off. It makes no difference in the performance of your antenna. You'll need to salvage five elements of about 40" each for the elements of your 2-meter antenna.

Disassembling the antenna...

Once you've rounded up the TV antenna, the next step is to take it apart. Before you start taking the elements off the boom, look at **Figure 1**. It shows you the finished lengths of the elements and their spacing on the antenna. If possible, leave the first element (the longest one) of your TV antenna in place. This becomes the reflector of your antenna. Simply cut off the ends of the element to obtain the desired length (39" tip to tip). It doesn't matter if the element is attached to the boom with a metal bracket; all the elements except the driven element are grounded to the boom.

Now remove the remaining elements from the TV antenna. Save all the brackets and hardware that you can and reuse it where possible during reassembly.

FIGURE 1



Driven element details.



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January 2023 Newsletter

Elmer's Corner.. Terry Crabtree "N8TFC"

Special Thanks for his Contribution

You may have to drill out rivets to disassemble the TV antenna. Be careful not to damage the brackets when you do this, as they are hard to find and quite expensive.

Assembling the antenna...

You now have a pile of salvaged elements and hardware, and a boom with one element attached. So far, so good. You're ready to put everything back together. If possible, use stainless steel hardware when reassembling your antenna; it's much more wear and corrosion resistant.

The next element, the driving element, must be insulated from the boom as it is "hot". The TV antenna I used had plastic brackets, rummage in the junkbox or make one out of a piece of plastic or Lucite. Measure 15" along the boom from the center of the reflector and drill a hole through the boom. Attach the plastic bracket to the boom, and attach two element pieces to the bracket, with long stainless steel bolts, nuts, and lock washers. Include two no. 10 stainless steel solder lugs when you affix the driven element, and tighten this piece just a bit for now. The solder lugs are used for connecting the coax line later. The beta match will also be attached at this point. Now cut this element to measure 36" total tip to tip.

The last three elements-the first, second, and third directors-are virtually identical. Refer to **Figure 1** for spacing and element lengths. Simply drill a hole through the boom and mount a piece of element with stainless steel hardware and scavenged metal brackets. Then trim the elements to the correct lengths.

I think a few words are called for here regarding the accuracy of your measurements. Relax! Precision to the second and third decimal points isn't necessary, though the formulas in most antenna handbooks would seem to indicate otherwise. Stay as close as you can to the recommended lengths, but remember that a slight variance of 1/8th or here or there isn't going to ruin your antenna. After I had cut and attached all the elements, I discovered that my old and frayed tape measure gave a slightly different reading each time I measured the same piece of metal.



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January 2023 Newsletter

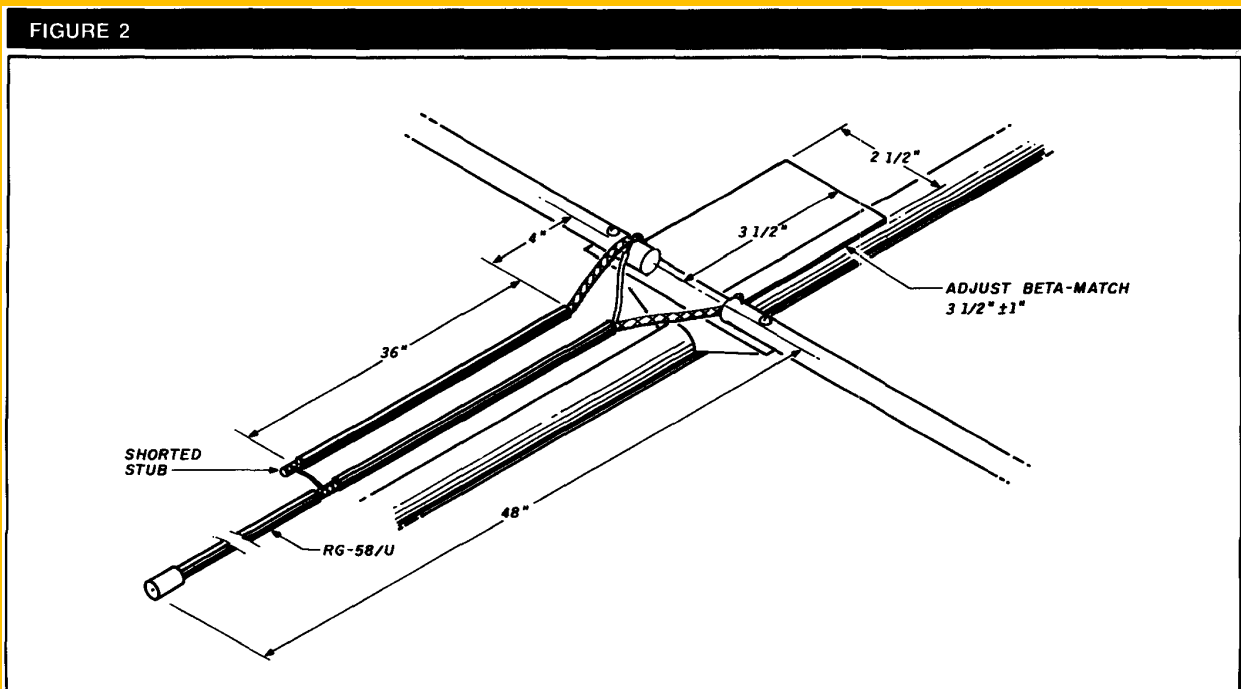
Elmer's Corner.. Terry Crabtree "N8TFC"

Special Thanks for his Contribution

My husband , respond to the wails of distress emanating from the dining room, assure this panic-stricken rookie that everything would be ok-but I didn't really believe him at this point.

Matching network...

The last order of business is the construction of the beta match and coaxial balun how in **Figure 2**. The beta match is nothing more than a U-shaped conductor bridging the gap across the driven element. I used some flat pieces of metal $1/2$ " wide by $1/8$ " thick scavenged from the TV antenna and secured in a U shape $2-1/2$ " wide by $3-1/2$ " long. However you make the beta match, be sure that you can adjust its length ($2-1/2$ " to $4-1/2$ " overall) for the best VSWR.



Two-meter antenna made from salvaged TV antenna, assembled and ready to roll.



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January 2023 Newsletter

Elmer's Corner.. Terry Crabtree "N8TFC"

Special Thanks for his Contribution

Now construct the coaxial balun as shown in **Figure 2**. Attach a PL-259 connector to one end of a 4" length of RG-58U coax. At the other end of this 4" length of coax, separate about 4" of shield and center conductor. Measure back 36" from the point where the shield and center conductor divide, and expose about an inch of the shield by removing the outer insulation all the way around the coax. Cut another 36" piece of coax; solder one end of this to the exposed shield of the feedline and the other end to the center conductor (yes, center conductor!) of the feed line. Cover all solder joints, braids, and the center conductor with tape or heatshrink tubing to keep moisture out and to keep the sun from cracking the exposed center insulation. Attach this completed feed line to the solder lugs on the driven element, tighten the hardware, and tape the cable securely to the boom. I know this sounds like one big short circuit, but it works!

Adjusting the antenna...

Now it's time to test your craftsmanship. Attach the feedline from your station to the PL-259 connector on the antenna feedline and check the VSWR. Through some blessed combination of skill and beginner's luck, my antenna came up at 1.2:1 at 146.97 MHz with very distinct front-to-back ratio the first time I tried it. (My XYM wanted to tinker with it, but I threatened him with bodily harm!). If you're not as fortunate, use the following steps to adjust the antenna.

- Adjust the driven element length for the lowest VSWR at your preferred operating frequency.
- Adjust the length of the U-shaped beta match until the VSWR at this frequency is minimum. You should have no trouble bringing it below 1.5:1.
- If you are a purist, repeat the two steps above, as there may be some iteration.

Summary...

Mount your antenna any way you prefer. Now fire up the rig and have some fun. This antenna gives excellent performance, is lightweight, rugged, and has survived three Navy moves. It was a great confidence building project for a rookie ham.

Bibliography

1. The ARRL Antenna Book, 14th Edition, ARRL, Newington, Connecticut 1982, pages 11-5 to 11-9



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January 2023 Newsletter Mark the Date!

Date	Title of Class
Our Off-Grid Radio Team meetings have been on the teaching of Community Emergency Response Team (CERT) class. This class is for informational use only and you will not receive a CERT certificate. This months Class will be focused on Disaster Medical Operations Part 1 and Part 2 First Aid and CPR/AED. Feel free to invite anyone who might be interested.	
November 15th	Unit 3 & 4: Disaster Medical Operations Part 1 and Part 2. First Aid and CPR/AED
December 20th	Break for Christmas
January 17th	Unit 7 & Unit 8: Disaster Psychology & Terroism and CERT
February 21st	Unit 6: Fire Safety and Utility Controls
March 21st	Unit 7: Light Search and Rescue Operations
April 18th	Unit 9: Course Review and Disaster Simulations



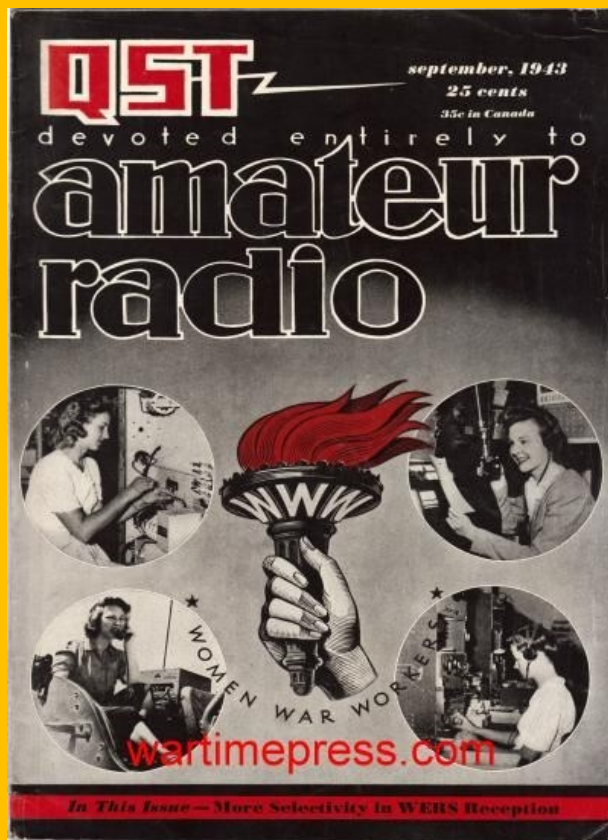
**Are you ready for bad weather,
rolling blackouts, food
shortages.. Are “YOU” Ready....**



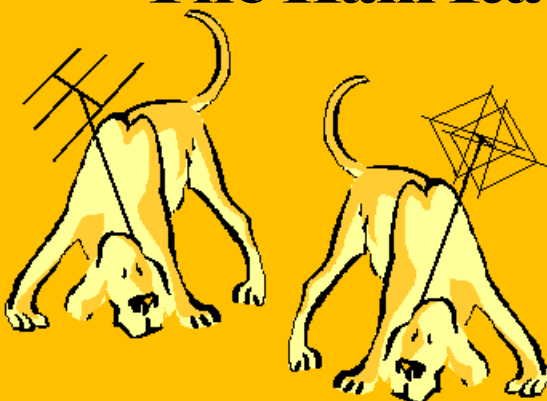
We all know that disasters can occur anywhere and anytime. Just in the recent past, our communities have had to deal with ice storms, tornadoes, floods and power outages. Also, we can name many other potential disasters that could occur. It is important to learn how you and your family can be prepared to deal with a disaster at your home, what to do if you need to evacuate, or how you can provide yourself a long-term in-place shelter. Knowledge of basics of emergency preparedness, including how to make a disaster supply kit and how you can be ready to be self-sufficient for at least three days.



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The Ham Radio Fox Hunt.... :-)





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Looking for New Members!!!



**Please encourage all that you
connect with on Ham Radio to join our Club.
We are looking for Women & Men Young & Old
to be a part of**

All Things Amateur Radio Association

WSATR

ATARA-WSATR.FUN

Share with them how much fun we have !!

Have News??? Send all your news to

Jim Breibach KESSWY at

**KESSWY-ATARA@outlook.com. Please send before the 1st of
each month to have it added to the newsletter. Tell us what you
are working on, new members, items that you are trying to sell or
trade, and any news that is new and exciting. Or you may call me
at 614-296-7987.**



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FT5DR

Price new \$419

Asking price \$300

**Comes with everything
in the photo in the
original box.**



FT2DR

**Cannot find a new
price. All used prices I
can find range from
\$350-\$550**

**Asking \$250. Comes
with everything pic-
tured and in original
box.**

My Contact information is: rodgerc5a@yahoo.com

Thanks for your help. I believe the asking prices are fair and hope someone can get some use from these units. They have been sitting for months now. Much appreciated.



CLIFF-HANGER



FT70DR

Price new \$175

Asking price

\$100

**Comes with everything
pictured in original box.**



**Raspberry Pi 3 - Nex Gen Rugged Spot -
Hot Spot - Original price \$250 - Asking
\$100. Note: the chip where the antenna is
placed seems loose. Sometimes it may
need to be bumped in order for it to
work. It does work and works well. Maybe
someone who is familiar with it can take it
apart and tighten the chip that holds the
antenna and it will be fine. All
information would need to be reprogrammed
for the new owner. All help can be found
online.**

My Contact information is: rodgerc5a@yahoo.com

Thanks for your help. I believe the asking prices are fair and hope someone can get some use from these units. They have been sitting for months now. Much appreciated.



CLIFF-HANGER



FTM100DR

Price new for the FTM100 - \$295. Comes with everything shown. HRI-200, Samlex Power adapter, and Yaesu SMB201 Cooling unit. Asking price \$350 for all items.

My Contact information is: rodgerc5a@yahoo.com

Thanks for your help. I believe the asking prices are fair and hope someone can get some use from these units. They have been sitting for months now. Much appreciated.



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**New STEM Trailer Updates
Each Monthly Regular Meeting!**



"Our"

"Trailer"





CLIFF-HANGER



ARRL's Mission Statement:

To advance the art, science, and enjoyment of Amateur Radio.

ARRL is the national association for [Amateur Radio](#) in the US. Founded in 1914 by Hiram Percy Maxim as The American Radio Relay League, ARRL is a noncommercial organization of radio amateurs. ARRL numbers within its ranks the vast majority of active radio amateurs in the nation and has a proud history of achievement as the standard-bearer in amateur affairs. ARRL's underpinnings as Amateur Radio's witness, partner and forum are defined by five pillars: Public Service, Advocacy, Education, Technology, and Membership.

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 radio amateurs in the US.

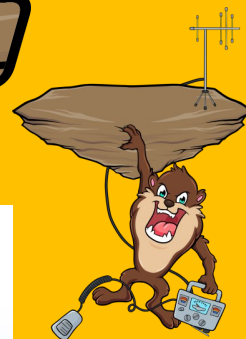
ARRL's Vision Statement

As the national association for Amateur Radio in the United States, ARRL:

- 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.



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Why Join the ARRL?

The American Radio Relay League (ARRL) was established in 1914. Radio was in its infancy but growing in popularity among Maritime services and among hobbyists (I'm not talking about Broadcasting – that hadn't even been conceived of yet). Then World War I came about. All amateur radio operations were ordered to cease. After the War concluded, all radio operations came under the regulation and control of the Department of the Navy. They did not want "Amateur" radio to be allowed. It was only by an act of Congress that Amateurs were returned to the airwaves. And that only happened because of the lobbying efforts of the American Radio Relay League.

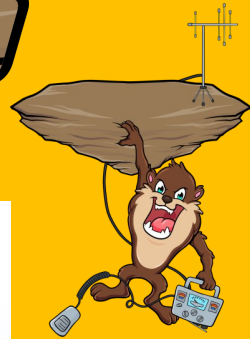
Today, the ARRL provides a wide array of products and services to the radio amateur. But government, military and business would all still like to have access to the frequency allocations that belong to the "Amateur Radio" service. The commercial value of our frequency allocations could probably be measured in billions (if not Trillions!) of dollars. They are ours to lose. There is only one organization that represents our interests to Congress to maintain our ability to enjoy our hobby, and that is ARRL. We (collectively) need the ARRL, and the ARRL needs us (individually) to be able to represent our interests and prove the value to society of our activities.

I want to encourage every Ham Radio operator to belong to the ARRL. They complement and support your local club. And through the "Club Commission" program they offer a financial incentive to your club for you to become an ARRL member!

If you are not currently a member of ARRL reach out to KE8SWY-ARARA@outlook.com to find out how to join.



CLIFF-HANGER



ARRL
the national association for
amateur radio®

“Tom Sly” Ohio Section Manger.

WB8LCD



ARRL Ohio Section

<http://www.arrl.org/>

