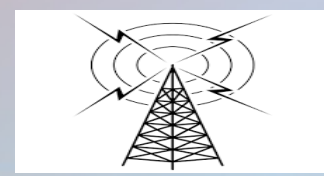


# OFF THE AIR



Please visit us online at [www.GrantARC.com](http://www.GrantARC.com)

The GCARC is an ARRL affiliated club

## “Off The Air”

is the official publication of the  
Grant County Amateur Radio Club

## 2020 Officers

- President – Mitch Miller - W9DDX  
[mitchmiller55@gmail.com](mailto:mitchmiller55@gmail.com)
- Vice President – Kevin Hicks - KC9MWQ  
[Kevin@kc9mwq.com](mailto:Kevin@kc9mwq.com)
- Secretary – L. B. Nickerson – K9NQW  
[k9nqw@yahoo.com](mailto:k9nqw@yahoo.com)
- Treasurer – Steve Shepler – WA9RVM
- Trustee – Kevin McNeely – KB9CRA  
[kb9cra@indy.rr.com](mailto:kb9cra@indy.rr.com)
- Newsletter Editor – L. B. Nickerson – K9NQW  
[k9nqw@yahoo.com](mailto:k9nqw@yahoo.com)

<http://www.grantarc.org>

Member – Indiana Radio Club Council

### ARRL Indiana Section Staff:

- Section Manager: Jimmy Merry – KC9PRX
- Section Emergency Coordinator: James Moehring - KB9WWM
- State Government Liason – Steven Jones – W9SMJ
- Official Observer Coordinator: Open
- Section Traffic Manager: Brian Jenks – W9BGJ
- Public Information Coordinator – Barry Palencer – KC9WMS
- Section Youth Coordinator – Andrew Murrey – N9AWM
- Technical Coordinator – Thomas Busch – WB8WOR
- Affiliated Club Coordinator – Jimmy Merry – KC9RPX

<http://www.inarrl.org>

### Section Jobs Description

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

## From the President

Hello Members;

As you know October is almost over and we're going to be electing Officers, so we need everybody's input for the election. And we also need to talk about the Christmas party now that Sirloin Stockade is no longer in business so we are going to have to do a private catering company and someplace to have the party. And I know with Covid-19 a lot of people's been staying at home and not coming out to functions and that's OK. I understand that but we have to conduct business and try to get the club to where we can elect officers for the coming year. We have only tested a few people in the months of July, August, and September. We have another one in October the next meeting only one. Hope to see everybody at the meeting this month of October, Everybody take care, please stay safe.

From your President  
Mitch Miller - W9DDX

### Grant County ARC Nets

**What:** 2 Meter Net  
**When:** Every Sunday Evening  
**Time:** 2030 hrs Local Time  
**Freq:** 147.790- (PL 141.3)

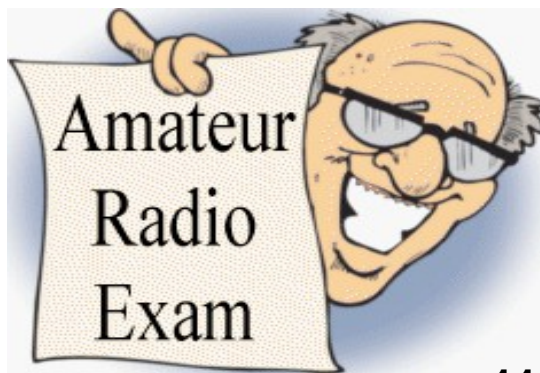
**What:** DMR Net – Indiana Crossroads Net  
**When:** Every Monday Night  
**Time:** 2000 hrs Local Time  
**Freq:** 442.750+ (Color Code 1)

**What:** Dstar Net – Indiana Statewide Dstar Net  
**When:** Every Thursday Evening  
**Time:** 2000 hrs Local Time  
**Freq:** 443.400+ {(W9EBN) (Reflector 24b)}



The American Radio Relay League  
225 Main Street, Newington, CT 06111  
or phone (860)594-0200  
or fax (860)594-0303





**11/07/2020**

**Sponsor:** Wells County Radio Club

**Time:** 9:00 AM (Walk-ins Allowed)

**Contact:** Rick Allen Velasquez  
(260) 820-0376

**Email:** ab9hp@yahoo.com

**VEC:** ARRL/VEC

**Location:** Annex Building  
223 West Washington Street  
Bluffton, IN 46714-1996

**11/07/2020**

**Sponsor:** Hancock County ARC

**Time:** 9:00 AM (**Walk-ins Allowed**)

**Contact:** Jill Schaumloeffel  
(317) 363-4674

**Email:** n2jlc@yahoo.com

**VEC:** ARRL/VEC

**Location:** Park Chapel Christian Church  
1176 E McKenzie Road  
Greenfield, IN 46140-1100

**11/14/2020**

**Sponsor:** Indianapolis RC

**Time:** 12:00 PM (**No Walk-ins / Call Ahead**)

**Contact:** James K. Rinehart  
(317) 721-1458

**Email:** k9ru@arrl.net

**VEC:** ARRL/VEC

**Location:** Salvation Army EDS Training Center  
4020 Georgetown Road  
Indianapolis, IN 46218-2169

**11/17/2020**

**Sponsor:** Anderson Repeater Club

**Time:** 7:00 PM (Walk-ins Allowed)

**Contact:** Stephen M Riley  
(765) 425-4627

**Email:** wa9cwe@arrl.net

**VEC:** ARRL/VEC

**Location:** Madison County EOC  
200 Delaware Street  
Anderson, IN 46016-2238

**11/23/2020**

**Sponsor:** Marshall County ARC

**Time:** 8:00 PM (Walk-ins Allowed)

**Contact:** Richard J. Basham  
(574) 216-6080

**Email:** rhbasham@yahoo.com

**VEC:** W5YI Vec

**Location:** REMC Building  
11299 12<sup>th</sup> Road  
Plymouth, IN 46563-9012

**11/24/2020**

**Sponsor:** Grant County ARC

**Time:** 5:00 PM (**No Walk-ins / Call Ahead**)

**Contact:** James C. Davis  
(765) 664-9848

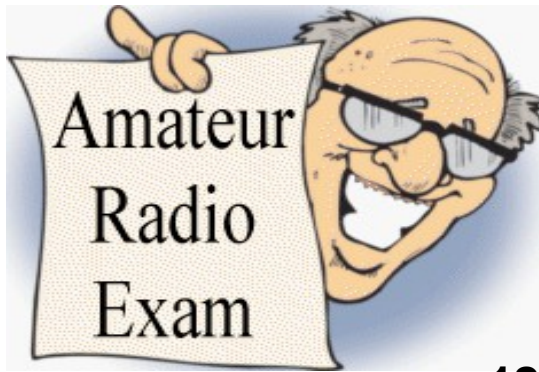
**Email:** davis@comteck.com

**VEC:** ARRL / VEC

**Location:** Marion Public Library  
600 South Washington Street  
Marion, IN 46952-9999

**Due to the Coronavirus outbreak, please verify with your VE team that the exam session is being held.**





## 12/12/2020

**Sponsor:** Indianapolis RC

**Time:** 12:00 PM (**No Walk-ins / Call Ahead**)

**Contact:** James K. Rinehart  
(317) 721-1458

**Email:** k9ru@arrl.net

**VEC:** ARRL/VEC

**Location:** Salvation Army EDS Training Facility  
4020 Georgetown Road  
Indianapolis, IN 46254-2407

## 12/12/2020

**Sponsor:** Central Indiana ARA

**Time:** 10:30 AM (**No Walk-ins / Call Ahead**)

**Contact:** Joe March  
(317) 224-9433

**Email:** jmarch54@att.net

**VEC:** ARRL/VEC

**Location:** Hamilton Cty Emer Ops Center  
18100 Cumberland Road  
Sheriff's Campus Training Room

**CALL AHEAD**

Noblesville, IN 46060-1624

## 12/15/2020

**Sponsor:** Anderson Repeater Club

**Time:** 7:00 PM (Walk-ins Allowed)

**Contact:** Stephen M. Riley  
(765) 425-4627

**Email:** smriley@hughes.net

**VEC:** ARRL/VEC

**Location:** Madison County EOC  
200 Delaware Street  
Anderson, IN 46016-2238

## 12/19/2020

**Sponsor:** Michael Elder.

**Time:** 9:00 AM (**No Walk-ins / Call Ahead**)

**Contact:** Michael Dwight Elder  
(765) 389-0166

**Email:** wj9e@yahoo.com

**VEC:** ARRL / VEC

**Location:** Rushville Public Library  
130 West 3<sup>rd</sup> Street  
Rushville, IN 46173-1846

**Call 4-5 days in advance to schedule appointment**

**Due to the Coronavirus outbreak, please verify with your VE team that the exam session is being held.**

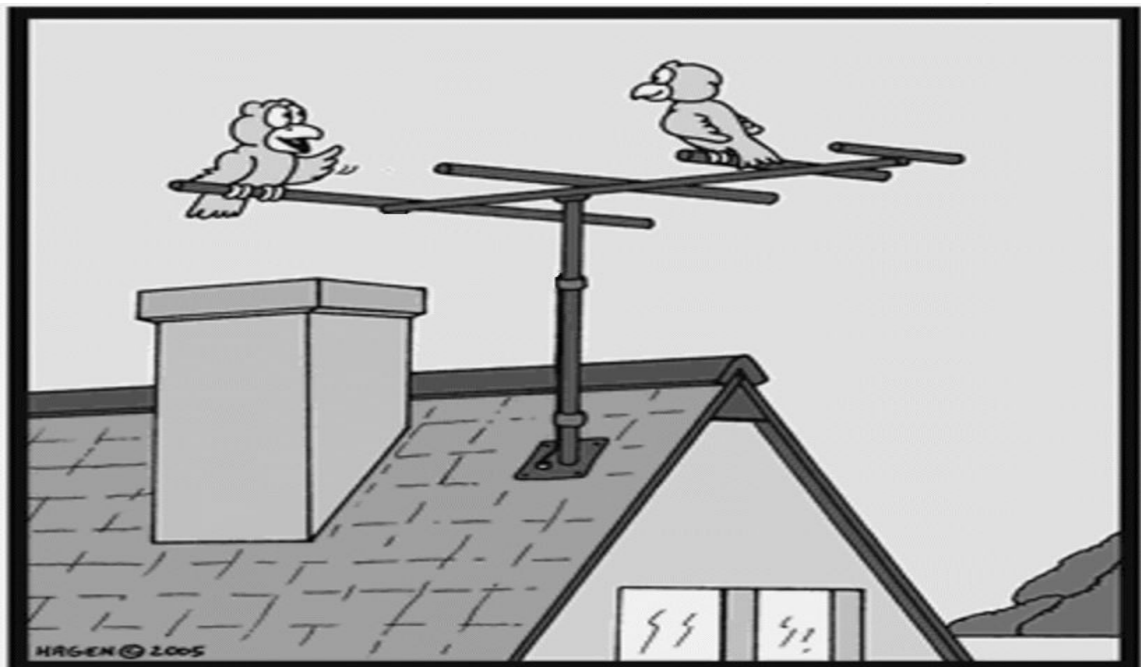




The only 2 hamfest within a 100 mile radius of Marion, IN that were suppose to take place in November and December of 2020 has been canceled.

11/14/2020 – 11/15/2020 **CANCELED** - Fort Wayne Hamfest & Computer Expo, ARRL Central Division Convention

12/05/2020 **CANCELED** - Winterfest 2020 Delta, OH



**\*\* Membership Dues \*\***

2021 membership dues are now due. You can send your check or money order to:

**Steve Shepler WA9RVM  
Box 824  
Marion, IN 46952**

Form is on line at: [grantarc.org](http://grantarc.org)

**Make your check or money order out to:  
GCARC**

Dues:

Full Annual Membership: \$20.00 per person

Family Annual Membership: Full membership + \$5.00 per person, maximum of \$30.00/household

Associate Membership: \$10.00 per person

Partial-Year Membership: After July 1<sup>st</sup>, Dues are reduced to ½ the normal rate for Full or

Associate Membership.



# Contesting



Below is a list for contesting. This list is from the ARRL.org webpage

## November 2020

Nov. Sweepstakes - CW      Date: 07-09

Nov. Sweepstakes – Phone      Date: 21-23

EME – 50 to 1296 MHz -  
Wknd 3      Date: 28-29

## December 2020

160 Meter      Date: 04-06

10 Meter      Date: 12-13

Rookie Roundup -  
CW      Date: 19

Rules can be found at [www.arrl.org/contest](http://www.arrl.org/contest)

Also for other contest that are available go to the above webpage and look under Contest Corral.

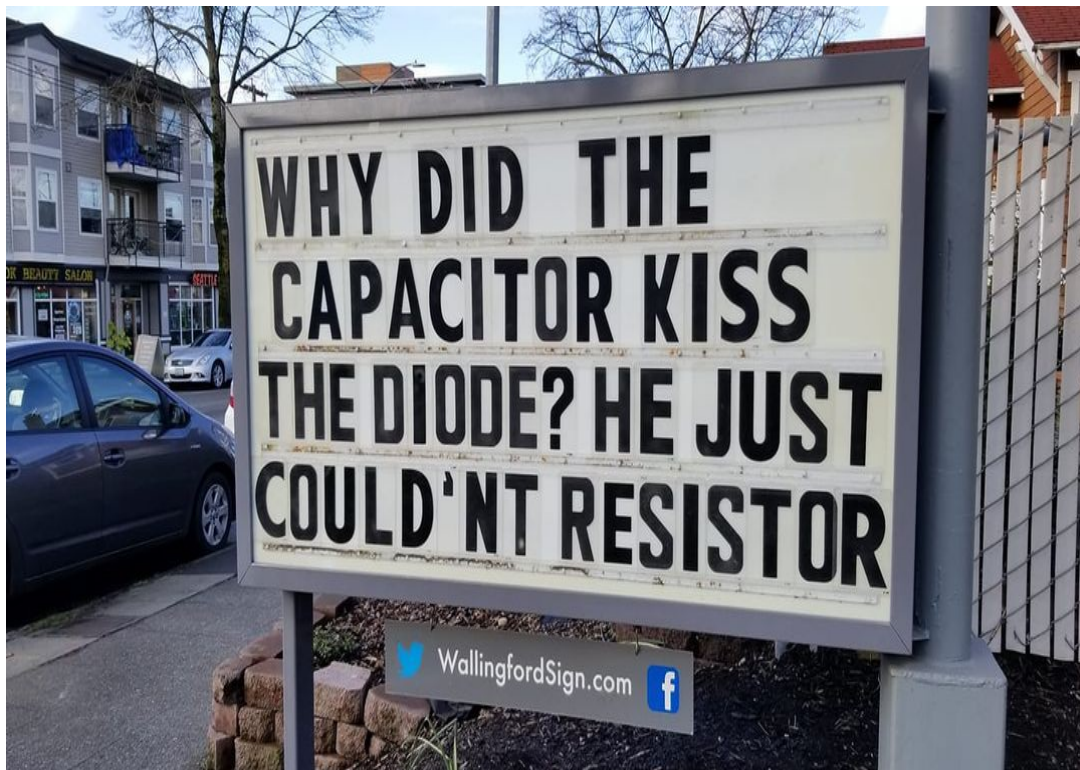


## Special Event Stations



<u>Date</u>	<u>Name of Special Event</u>	<u>Webpage</u>
11/02 to 11/16/20	45 <sup>th</sup> Anniversary, Sinking of SS Edmund Fitzgerald	livoniaare.com
11/06 to 11/08/20	Commemorating US Coast Guard Auxiliary 31 <sup>st</sup> Anniversary <a href="https://uscgauxnational.blogspot.com/2020/06/81st-anniversary-of-us-coast-guard.html">https://uscgauxnational.blogspot.com/2020/06/81st-anniversary-of-us-coast-guard.html</a>	
11/07 to 11/15/20	Portage County Amateur Radio Service 15 <sup>th</sup> Anniversary	www.porcars.org
11/11/20	The American Legion's National Salute To America's Veterans	www.legion.org/hamradio
11/21/20	175 <sup>th</sup> Anniversary of Concordia United Church of Christ	www.scarc.net
12/05 to 12/06/20	Celebrating the 21 <sup>st</sup> Amendment to the US Constitution	www.breweriesontheair.com
12/05/20	Christmas in Bethlehem	<a href="https://www.clarkcountyarc.org">https://www.clarkcountyarc.org</a>

More info on these Special Events Stations go to: [http://www.arrl.org/special\\_events/](http://www.arrl.org/special_events/)



November 2020

# Grant County Amateur Radio Club

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 2 meter weekly net 8:30 PM Net Control KB9RAX	2 DMR Weekly Net 8 PM Net Control KC9OYW	3	4	5 Indiana D-Star Weekly Net 8 PM Net Control K9NQW	6	7 Blackford's Cnty Amateur Radio Club Breakfast 8:30 am Richards, Hartford City
8 2 meter weekly net 8:30 PM Net Control W9DDX	9 DMR Weekly Net 8 PM Net Control KC9OYW	10	11	12 Indiana D-Star Weekly Net 8 PM Net Control K9NQW	13	14 Monthly Breakfast Meeting 8:30AM Kammy's Kafe
15 2 meter weekly net 8:30 PM Net Control KC9QCJ	16 DMR Weekly Net 8 PM Net Control W9DDX	17	18	19 Indiana D-Star Weekly Net 8 PM Net Control KA9OPL	20	21
22 2 meter weekly net 8:30 PM Net Control K9NQW	23 DMR Weekly Net 8 PM Net Control K9NQW	24 GCARC Meeting 6:30 PM Marion Public Library	25	26 No Dstar Net Happy Thanksgiving	27	28
29 2 meter weekly net 8:30 PM Net Control K9NQW	30 DMR Weekly Net 8 PM Net Control K9NQW					

December 2020

# Grant County Amateur Radio Club

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
				Indiana D-Star Weekly Net 8 PM Net Control K9NQW		Blackford's Cnty Amateur Radio Club Breakfast 8:30 am Richards, Hartford City
6	7	8	9	10	11	12
2 meter weekly net 8:30 PM Net Control KB9RAX	DMR Weekly Net 8 PM Net Control KC9OYW			Indiana D-Star Weekly Net 8 PM Net Control K9NQW		Monthly Breakfast Meeting 8:30AM Kammy's Kafe
13	14	15	16	17	18	19
2 meter weekly net 8:30 PM Net Control W9DDX	DMR Weekly Net 8 PM Net Control KC9OYW			Indiana D-Star Weekly Net 8 PM Net Control KA9OPL		
20	21	22	23	24	25	26
2 meter weekly net 8:30 PM Net Control KC9QCJ	DMR Weekly Net 8 PM Net Control W9DDX			No Dstar Net Christmas Eve	Merry Christmas	
27	28	29	30	31		
2 meter weekly net 8:30 PM Net Control K9NQW	DMR Weekly Net 8 PM Net Control K9NQW			No Dstar Net New Years Eve		





## Oldest Known US Radio Amateur, Cliff Kayhart, W4KKP, SK at 109

10/29/2020

Charles Clifford “Cliff” Kayhart, W4KKP, of White Rock, South Carolina, died on October 26, a few days past his 109th birthday. An ARRL member, he was the oldest known US radio amateur and possibly the oldest ham in the world.

Last November, Roanoke Division Director Bud Hipsisley, W2RU; Vice Director Bill Morine, N2COP, and South Carolina Section Manager Marc Taplee, N4UFP, jointly presented Kayhart with ARRL’s Centurion Award, which honors centenarian members with at least 40 years of ARRL membership. On that occasion, Hipsisley [interviewed](#) Kayhart.

First licensed in 1937 as W2LFE in New Jersey, he also held W9GNQ. According to his [obituary](#), Kayhart built his first radio at the age of nine. After working for New York Telephone Company as a young man, he became enamored with engineering, so he headed off to Tri-State University in Indiana, graduating with a degree in aeronautical engineering. Afterward, he went to work for RCA in New Jersey, becoming a quality control manager. Positions followed at Philco Radio and Bendix Aviation.

During World War II, Kayhart joined the US Army Signal Corps, which sent him off to school to study radar. He was assigned to the US Army Air Corps in Georgia and then sent to Hawaii to become part of a Signal Service Battalion. He served at Iwo Jima, shortly after the US victory there, setting up equipment for long-range radio communication and broadcasting, with rhombic antennas in four directions.

In 1946, Kayhart left the Army with the rank of captain, joining Magnavox the following year as its first field engineer; at the time, Magnavox was about to launch a line of television sets. Eventually, he was transferred to the Customer Acceptance Department in Tennessee. Kayhart traveled to Japan in 1963 in search of Japanese television sets. He retired from Magnavox in 1976.

In the 1970s, while living in Tennessee, he spearheaded a project that installed a 2-meter FM repeater on the summit of Camp Creek Bald, still in operation on the Tennessee/North Carolina border.

After Kayhart moved into an assisted living facility in 2017, he had an HF station in his room, courtesy of the Dutch Fork Amateur Radio Group, to which he belonged, and the Columbia Amateur Radio Club. Kayhart remained active on the air until shortly before he died.

# ARRL Urges Members to Join in Strongly Opposing FCC's Application Fees Proposal

10/27/2020

ARRL will file comments in firm opposition to an FCC proposal to impose a \$50 fee on amateur radio license and application fees. With the November 16 comment deadline fast approaching, ARRL urges members to add their voices to ARRL's by filing opposition comments of their own. The FCC *Notice of Proposed Rulemaking (NPRM)* MD Docket 20-270 appeared in the October 15 edition of *The Federal Register* and sets deadlines of November 16 to comment and November 30 to post reply comments, which are comments on comments already filed. ARRL has prepared a [Guide to filing Comments with the FCC](#) Which includes tips for preparing comments and step-by step filing instructions. File Comments on MD Docket 20-270 using FCC's Electronic Filing System ([ECFS](#)).

Under the proposal, amateur radio licensees would pay a \$50 fee for each amateur radio Application for new licenses, license renewals, upgrades to existing licenses, and vanity call sign requests. The FCC also has proposed a \$50 fee to obtain a printed copy of a license. Excluded are applications for administrative updates, such as changes of address, and annual regulatory fees. Amateur Service licensees have been exempt from application fees for several years.

The FCC proposal is contained in a *Notice of Proposed Rulemaking (NPRM)* in MD Docket 20-270, which was adopted to implement portions of the "Repack Airwaves Yielding Better Access for Users of Modern Services Act" of 2018 –the so-called "[Ray Baum's Act](#)". The Act requires that the FCC switch from a Congressionally-mandated fee structure to a cost-based system of assessment. In its *NPRM*, the FCC proposed applications fees for a broad range of services that use the FCC' Universal Licensing System (ULS), including the Amateur Radio Service. The 2018 statute excludes the Amateur Service from annual regulatory fees, but not from application fees. The FCC proposal affects all FCC services and does not single out amateur radio.

ARRL is encouraging members to file comments that stress amateur radio's contributions to the country and communities. ARRL's [Guide to Filing Comments](#) includes "talking points" that may be helpful in preparing comments. These stress amateur radio's role in volunteering Communication support during disasters and emergencies, and inspiring students to pursue Education and careers in engineering, radio technology, and communications.

As the FCC explained in its *NPRM*, Congress, through the Ray Baum's Act, is compelling regulatory agencies such as the FCC to recover from applicants the cost involved in filing and handling applications.

In its *NPRM* the FCC encouraged licensees to update their own information online without charge. Many, if not most, Amateur Service applications may be handled via the largely automated Universal License Service (ULS). The Ray Baum's Act does not exempt filing fees in the Amateur Radio Service, and the FCC stopped assessing fees for vanity call signs several years ago.



# ARRL's Guide to Filing Comments with the FCC Opposing \$50 Amateur Radio Licensing

## Fee Preparing Your Written Comments (See second page for Steps to Submit Online Filing)

Here are some points that can be used when preparing your written comments opposing the FCC proposal Public Service Amateurs contribute to the public good. In many areas they provide an emergency communications backbone capability at no taxpayer cost. Consistently we have witnessed storms and natural disasters completely wipe out internet, cellular, and other means of communication. Radio amateurs often fill that void on an unmatched, flexible basis when needed. Recent examples of Amateur Radio Service readiness and response include the California wildfires and Gulf Coast hurricanes. A Voluntary, Non-Commercial National Resource Unlike operators in other FCC licensed services. Amateur Radio Service operators by law – domestic or international – must not use their license for any pecuniary interest. Radio amateurs are prohibited from earning or charging any money for any communications activity. The expenses for their equipment, training, and other activities come out of their own pockets, with no opportunity for reimbursement or payment of any kind. Technology Amateur radio is a source of significant technological innovation that should be encouraged, not discouraged. Youth and Education-The United States is experiencing a severe lack of RF engineers and expertise at the very time it is needed by the rapidly growing wireless industries. Amateur radio is helping to meet the deficit, but much more is needed and youngsters, (High School and College-aged) are least able to afford licensing fees. RF knowledge and related digital expertise is needed to maintain US leadership in wireless industries. At a minimum, young people (below the age of 26) should be Exempt from the proposed license fees. Self-Regulating-Amateur radio is self-regulating: (a) Amateur examinations are written and administered by radio amateur volunteers. (b) Examination results and paperwork most often are submitted electronically to the FCC. Electronic submission could be required if there would be a cost saving to the Commission. (c) Amateur radio educational classes are conducted by volunteers who by and large do not charge fees or tuition for teaching. (d) The Amateur Service, in cooperation with the FCC's Enforcement Bureau, has a volunteer corps that monitors the amateur Airwaves and has programs that work to prevent their misuse before FCC involvement might be needed. These amateurs also observe non-amateur signals both within amateur spectrum and outside it, and report unusual or suspicious signals. Additional Suggestions – Focus on the positive aspects and value that the Amateur Radio Service offers our nation. - Avoid arguing that the fee will “kill” amateur radio. Rather, make pertinent arguments on why the fees would impair the public benefits of the Amateur Radio Service. - Avoid ham hargon (QSO, worked, ticket, bird) in your comments, which will not be understood by FCC personnel administering this proposal. The fee proposals cover every FCC license and service across the board and the consideration was directed by Congress. ARRL will file comments with the FCC opposing their proposal to adopt a \$50 fee for each Amateur Radio License application. The fee would apply to applications for new licenses, renewal and upgrades to existing licenses, and vanity call sign requests. ARRL members are urged to file individual comments. The deadline to make your voice heard is November 16, 2020. The reply comment deadline – that is, the deadline for comments on comments already filed – is November 30. Use this guide to help you prepare and submit your written comments to the FCC. Remember to include your name and address within the document and save it with a filename and location on your computer where you can find it. When you are ready to file your comments with the FCC, use the step-by-step instructions on the Second page of this guide. For further information, visit <http://www.arrl.org/FCC-Fees-Proposal>.



# ARRL's Guide to Filing Comments with the FCC Opposing \$50 Amateur Radio Licensing

Steps to Submit an Online Filing (See first page for Preparing Your Written Comments)  
Prepare a document (PDF is strongly recommended, but the system will accept doc, docx, and some other file formats). Include your name and address within the document and save it with a filename and location on your computer where you can find it. When you're ready to file your comments, go to the FCC filings form from an internet browser on a computer or other online device; <https://www.fcc.gov/ecfs/filings>. Or use the FCC Express Comment form to file short, typed-in comments (no document upload) at <https://www.fcc.gov/ecfs/filings/express>. Select the first text box labeled Proceeding(s). Type in 20-270. This is the filing number. Be sure the pop-up box displays the title of the correct proceeding, and select it or press ENTER (or Return) key. Once you've done this, 20-270 will be highlighted in yellow. Select the box labeled Name(s) or Filer(s). Type your full Name and then press the ENTER key. You will need to press ENTER after you've typed it in. Once you've done this, your name will be highlighted in yellow. Skip the boxes labeled "Law Firm" and "Attorney" (unless applicable). Select the box labeled Primary Contact Email and type your email address. This box will NOT get highlighted. The filer's email address will not be made public by inserting it here. However, any information you include in your comments, including an email address, will be made public. Select the box labeled Type of filing and select "Comments" from the dropdown items. It is the first item. Skip the boxes labeled "Report Number", "Bureau ID" and "File Number". Move down the list of boxes to Address of and select "Filer" from the dropdown items, as you are the Filer of this comment. Then, type your address in the boxes labeled Address, City, State (select from dropdown), and Zip. Move to the Upload Documents box to upload your pre-written comments. By clicking on the hyperlink inside the box, you will be prompted to upload the document you saved with your comments. Go to the file folder and select the document. Then hit "Open" to upload the document into the FCC system. If you've done it correctly, it should now show the name of the document in blue below the Upload Documents area. Click on the small Email Confirmation checkbox so that you'll get a confirmation of your submission. Then click on the blue Continue to review screen. This will allow you to review all the submitted information before you hit the Submit button. If you are satisfied with your entries, select the Submit button. If not, use the BACK button on your browser to return to the entry page and make any corrections or changes, then continue again to the review screen and submit. There is a delay before your comments will appear on the FCC website. However, if you receive the email confirmation – usually within minutes – the comment has been successfully filed. Congratulations! You're done and can exit from the web page.



# Ham Radio Trader

This is a new section of the newsletter. Items on this page are for sale by hams. The following rules will apply for items to be listed on this page.

1. All items must be Amateur Radio related

**Examples:** Ham radio gear and computer items.

2. Ads must be submitted by the following deadlines.

For the July/August Newsletter – June 15<sup>th</sup>

For the September/October Newsletter – August 15<sup>th</sup>

For the November/December Newsletter – October 15<sup>th</sup>

Ads must have the following information.

Item description, picture of item in jpg form, selling price, and email of seller.

You can send your ad to [k9nqw@arrl.net](mailto:k9nqw@arrl.net)

## For Sale



**MFJ-989C Antenna Tuner**  
3KW MFJ-989C Versa Tuner V  
Frequency Range: 1.8 to 30 Mhz  
Cross-needle SWR/Power Meter  
Has forward power ranges 200  
To 2,000 watt. Back Panel Outputs:  
2 Coaxial Cables, 1 wire or balanced  
Line and 1 Dummy Load  
Size: 10 ¾ x 4 ½ x 15 inches  
Asking: \$125.00  
Contact: Nick at [k9nqw@yahoo.com](mailto:k9nqw@yahoo.com)



**Icom IC-2720H Transceiver**  
Icom IC-2720H VHF/UHF  
Transceiver: VHF-144-148 MHz  
UHF-440-450 MHz  
Receiver Frequency Coverage:  
Left side: 118-550 Mhz,  
Right side: 118-174, 375-850, 910-999.99 MHz  
(less Cellular)  
Mode: FM, AM Memory Channels: 212  
Output Power: VHF: 50W, 15W, 5W  
UHF: 35W, 15W, 5W  
Power output is selectable  
Power Supply Requirement: 13.8V DC  
Asking: \$220.00  
Contact: Nick at [k9nqw@yahoo.com](mailto:k9nqw@yahoo.com)