kc8spv@gmail.com

From: Big South Fork Amateur Radio Club <w4bsf@bsfarc.org>

Sent: Saturday, November 22, 2025 8:02 AM

To: Bill Green

Subject: Modulator November- 2025

View this in your browser.



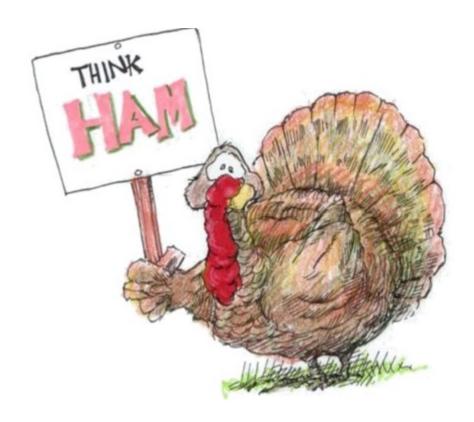
Volume 33 Number 11- November 2025

The Modulator

Newsletter and happenings of the Big South Fork Amateur Radio Club. Servi Big South Fork Region since 1992.

If you enjoy reading our publication, be sure to open it fully or you will be automatically dropped from our mailing list in 6 mol

Happy Thanksgiving!





Interested in emergency communications? We have team in Fentress, Morgan and Scott counties looking for volunteers.

ARES



We are suspending the YL NET for 2026 as we explore other ways to connect with others. If your OM is licensed, he can be your control operator for you to get on the air with us. Our LAST NET is Tuesday December 9th at 7pm EDT.

YL NET



ARRL has annou free membership time students age and younger.

ARRL Member



2026 has been designated by the ARRL Board of Directors as the Year of the Club, recognizing that radio clubs are the ba of ARRL. The growth and development of amateur radio rely on our vibrant community of radio clubs. As BSFARC is an A Club we are eligible to participate! This should be an exciting promotion for our hobby and could help us better focus on to our members while getting the word out to others.

The ARRL is looking for submissions for a club web site contest. We can discuss if we want to patriciate at our next club The deadline is January 30, 2026

Web Site Contest Information

They will also have a newsletter contest! That too has a deadline of January 30, 2026, so if we are to compete, we need to going!

Newsletter Contest Information



Christmas Social and Elections December 11, 2025

At our next gather/quick meeting we will be voting for our 2026 board of directors. Our recording secretary and treasurer will not be seeking re-election for next year. Feel free to self-nominate!

Consider bringing a small dish of snacks to share during the 'Radio Active Challenge' presentation. We will also be discussing our training sessions and how we wish to support them in 2026.

Club Bi-Monthly Meeting January 8, 2026

Our next regular club meeting will be held on January 8th - 2026 at 7:00pm Eastern at Roane State Community College in Huntsville TN. This will be our bi-monthly business meeting plus a meet & greet. We always meet



Let us know if you are ready for the exam at W4BSF@BSFARC.ORG can schedule a session just for you!

Local and In-Person Exams

The VE (Volunteer Examiner) team has made the transition to electrous submission for testing documents. While we still only do in-person to the applicant can choose to take a paper exam or complete their test computer. Forms are then emailed to the applicant, ARRL and to the faster processing. The ARRL testing fee is still \$15 for adults and unage of 18 it is only \$5. The \$35 license fee is paid directly to the FCC the ARRL youth program they will reimburse the youths that fee! We with you to schedule an exam in your area at a convenient time. No waiting, long drives or trying to take an on-line test with multiple cartry to make it as easy as possible to take but it's up to you to pass!

The technician question pool will change in July 2026.

LICENSE EXAM



the 2nd Thursday of each month. Our agenda will include planning of special events and training sessions for 2026.

Meeting Minutes

If you did NOT receive the meeting minutes for the last meeting you may have been dropped from the club roster. Our member only portal password has also been changed. Contact Ricky (W4NRTango at gmail.com) to check on your membership status. Our dues are still only \$10.00 per year for the first person in your household!

Previous copies of 'The Modulator' are now on our web site. You can also subscribe to the newsletter there too.





ARRL 10-Meter Contest

December 13-14th

IMPORTANT UPDATE!!

ARRL Introduces New LIVE Online Course Ham Radio Licensing

ARRL The National Association for Amateur Radio® has intro new, fully-interactive two-day online course for ham radio licer The <u>ARRL Technician Class LIVE Video Course</u> includes eveneeded to prepare for the FCC Technician Class amateur radicense exam. Enrollment is open now for the inaugural course will take place December 20 - 21, 2025.

Join ARRL Education Specialist Wayne Greene, KB4DSF, for interactive online class. "We're going to have fun!," said Greer guide you through operating your first ham radio to how to communicate through amateur radio satellites. We are going t fully immersed in every question and answer with the info you pass the test!"

In addition to live instruction, course participants will receive the popular Technician Class prep book authored by ARRL Nation Instructor Gordon West, WB6NOA, which has helped thousan new hams get licensed with fast results. One-year of ARRL Membership is also included, ensuring these new hams will have quick access to all ARRL benefits, services, and programs.

Course Includes:

• Two days of LIVE instruction with expert ARRL Education Sp Wayne Greene, KB4DSF• Technician Class prep book by Gor West, WB6NOA• One-year of ARRL Membership

Those who remember ARRL's recorded video courses of the recall how valuable it is to see and hear lively video instruction new course will ensure students have an even more personal interactive experience. Greene will present the material in bite sections, demonstrating just how much fun amateur radio is!

Buddy W7BSF is once again hosting an openhouse (make that an open ham-shack) for the contest. He will have various radios and antennas for you to use. Some members will be activating from their home QTH so we can even contact each other! We encourage you to find an Elmer if needed to help get you on the air. Check with Buddy W7BSF or Bill KF4TY if you need help activating for the contest.

BSFARC 10-METER CONTEST

Club Apparel



The club has ordered some extra t-shirts and currently has 7 medium, 3 large and 8 XXL shirts available. Let Kelly KI4JAV know if you want and she will bring them to the next meeting. They are only \$7.00 each thanks to Rugby Screen Printers as we are able to purchase at a discounted rate. Show your support for BSFARC and Rugby Screen Printers by ordering yours today!

Visit the ARRL Shop to complete the <u>paid enrollment</u> for a specintroductory price of \$99. Registrants will receive a follow-up of with instructions for registering for the live video course after completing your order. If you have any questions regarding the course, please contact the ARRL Education and Learning Depart 860-594-0285 or email <u>ead@arrl.org</u>

Calendar of Events for 2025



11/13/2025	BSFARC Meeting
12/6/2025	Skywarn Recognition Day
12/11/2025	BSFARC Training/Meet & Greet
12/13/2025	ARRL 10-Meter Contest
12/14/2025	ARRL 10-Meter Contest

The skywarn recognition day for 2025 has been cancelled by the NV Maybe next year we can get a small group to travel to MRX and acti station as part of the event.

Calendar of Events 2026 (Tentative) Dates yellow have NOT been confirmed yet.

1/8/2026	BSFARC Meeting
1/17/2026	POTA Support Your Parks Weekend
1/18/2026	POTA Support Your Parks Weekend
1/24/2026	Winter Field Day
1/25/2026	Winter Field Day



UPDATE



Thanks to all the radio operators who assisted this year. While we may not like the overnight shift which was long and cold it was a great event and a chance to practice passing real health and welfare traffic. We received accolades for our efforts as we were able to handle all the communications at our aidstations which allowed others to take care of the runners. Some of us ended up using a back-up radio at sometime during the event but that goes to show how we were prepared for the unexpected. A special thanks to Joe N4YLA for helping coordinate our effort.

Radio-Active 2025

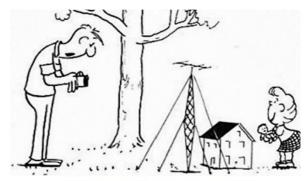
2/13/2026	HamCation Orlando FL
2/14/2026	HamCation Orlando FL
2/15/2026	HamCation Orlando FL
2/12/2026	BSFARC Training/Meet & Greet
3/8/2026	International YL Day
3/13/2026	MTARS Tullahoma Hamfest
3/14/2026	MTARS Tullahoma Hamfest
3/12/2026	BSFARC Meeting
3/22/2026	West TN Hamfest Trenton
3/15/2026	Sevier County 2025 Hamfest
4/9/2026	BSFARC Training/Meet & Greet
4/12/2026	Freefest Bartlett Swap (Memphis)
4/19/2026	Greenville TN Hamfest
4/18/2026	POTA Support Your Parks Weekend
4/19/2026	POTA Support Your Parks Weekend
4/25/2026	Big South Fork Spring Planting Day Festival
5/14/2026	BSFARC Meeting
5/15/2026	Hamvention Dayton OH
5/16/2026	Hamvention Dayton OH
5/16/2026	TN Mountain Laurel Festival
5/17/2026	Hamvention Dayton OH
6/6/2026	KY QSO Party
6/6/2026	Museum Ship Weekend SES
6/7/2026	Museum Ship Weekend SES
6/7/2026	KY QSO Party
6/11/2026	BSFARC Training/Meet & Greet
6/13/2026	Knoxville Hamfest/ARRL convention
6/27/2026	ARRL Field Day
6/28/2026	ARRL Field Day
7/9/2026	BSFARC Meeting
7/19/2026	Greater Nashville & Middle Tennessee Hamquest



We are in the home stretch and hope you are collecting points still. Please send your tally sheets to Bill KF4TY by December 1st so we can prepare the certificates accordingly. Certificates will be presented at the club meeting/Christmas Social on December 11th.

Link Radio-Active 2025
Page

Get a load of this...



Angela, could you please move? I'm taking a picture for my QSL card.

Ground-mounted verticals are all the rage these days in portable HF operations. This is particularly true in POTA activations. We all like to get extra mileage out of our verticals in terms of their frequency range and efficiency, no?

7/19/2026	MCARC (McMinn) Ham Fest
7/18/2026	POTA Support Your Parks Weekend
7/19/2026	POTA Support Your Parks Weekend
8/13/2026	BSFARC Training/Meet & Greet
8/16/2026	Huntsville AL Hamfest
8/17/2026	Huntsville AL Hamfest
8/24/2026	Cedars of Lebanon Hamfest – Lebanon, TN.
9/5/2026	Endurance Horse Ride
9/6/2026	Endurance Horse Ride
9/6/2026	Tennessee QSO Party
9/10/2026	BSFARC Meeting
	https://overmountain-rally.com/volunteer-positions
9/19/2026	Big South Fork Haunting in the Hills Story Telling Festiv
10/8/2026	BSFARC Training/Meet & Greet
10/17/2026	Big South Fork Blue Heron Ghost Mine
10/17/2026	POTA Support Your Parks Weekend
10/18/2026	POTA Support Your Parks Weekend
10/23/2026	NB 100 Race
10/24/2026	NB 100 Race
11/12/2026	BSFARC Meeting
12/5/2026	Skywarn Recognition Day
12/10/2026	BSFARC Training/Meet & Greet
12/12/2026	ARRL 10-Meter Contest
12/13/2026	ARRL 10-Meter Contest
-	•

LOCAL HAM FESTS 2025-2026

One method is to add an inductor to the radiating element to extend what its length looks like for RF resonance. Some versions of this are to bottom-load the vertical (Wolf River Coils does this with their Sporty Forty coil) as well as centerload it (as does Chelegance does with some of their JPC line of verticals). There are top-loaded designs, too.

An issue the portable HF operator might face if they create their own vertical antenna system is determining the value of the inductor coil. I'll walk through this briefly to illustrate one problem that many vendors create for them in their product offerings.

Learn More



Handwritten notes, HAM radio help rescue mother, son lost in California forest

by: Josh DuBose

A 49-year-old woman and her 9-year-old son who found themselves stranded deep in



03/06/2026 - 03/07/2026

Charlotte Hamfest

Location: Concord, NC **Type:** ARRL Hamfest

Sponsor: Mecklenburg ARS

Website: http://charlottehamfest.org

Learn More

06/13/2026 -

Knoxville Hamfest, ARRL Tennessee State

Convention

Location: Knoxville, TN **Type:** ARRL Convention

Sponsor: Radio Amateur Club of Knoxville

Website: http://www.w4bbb.org

FCC Announces Intent to Delete Minor Par Provisions

As part of a <u>much larger overhaul focused on deleting almost</u> <u>obsolete wireless regulations</u>, the Federal Communications

the dense Stanislaus National Forest late last week left a trail of handwritten notes that helped their rescuers locate them, officials announced this week.

On July 11, the pair traveled from the Sacramento area to Camp Wolfeboro for an overnight camping trip, officials with the Calavera County Sheriff's Office said.

During their excursion, the 49year-old was using a GPS unit that offered alternate routes to their destination along with more common ones. When the GPS unit lost its signal, the mother and son were already well inside a remote area of the forest and were unable to retrace their route back out.

Rescue efforts unfolded on July 12 after a person reported that the woman and her son had not returned or called as expected.

"A deputy was dispatched to initiate a missing persons investigation, and the search and rescue team was deployed to begin search efforts," officials said. "The reporting party also provided a location

Commission (FCC) has announced plans to delete or modify to minor provisions of Part 97.

ARRL's Washington Counsel has reviewed the proposal and a that the deletions are to obsolete rules and will have no impact today's modern Amateur Radio Service. One of the <u>deletions</u> <u>suggested by ARRL</u> as part of an earlier FCC request for public on rules ripe for deletion.

The proposed regulatory changes are to:

- 1. **Delete § 97.27**. This provision relates to the FCC's right to station licenses. The Commission rationale for deletion is that duplicates Section 316 of the Communications Act. Its deletion result in no substantive change to the right of the FCC to mod station license.
- 2. **Delete § 97.29**. This provision specified the procedure to repaper licenses. The FCC stopped producing paper licenses at of 2020, having implemented a system that allows any license download license originals using the password-protected area FCC's ULS computer database system that is web-accessible ARRL proposed deleting this section in comments filed earlier year.
- 3. **Delete § 97.315 (b)(2)**. This provision grandfathered HF and purchased before April 28, 1978 by an amateur radio operator at that operator's station and also grandfathered those manufactories applicability of this rule has long passed.
- 4. **Delete § 97.521(b) and Appendix 2**. This rule and append to VEC regions, which were based on the traditional amateur areas. The FCC no longer limits VECs to regions and there is reason for doing so given the nature of remote exams.

"Direct Final Rule" proceedings such as this are limited to rule are no longer applicable because they have sunset by operation law; govern an expired event; regulate an obsolete technology regulate virtually a null set of FCC licensees; regulate an outdown market structure; or otherwise are no longer used in practice of otherwise in the public interest. The deletions will become effective are no longer used in practice of the public interest.

obtained from a locationsharing app they previously used with the missing persons."

A command post was established in a recreational area off Highway 4 where team members began "assessing the terrain and the complex network of interconnecting, labyrinth-like roads" to establish search parameters.

During the early part of the rescue effort, a Forest Service Law Enforcement Ranger responded to a 911 text from a camper around Black Springs and Winton roads who said they'd seen a vehicle matching the missing persons report at around 4 p.m. the previous day.

"This information, along with data provided by the reporting party, confirmed that the teams were searching in the correct area," officials said.

While stranded with no GPS or cellphone signal, deputies said the pair took actions to increase the likelihood of being rescued, including using the vehicle's hazard lights at night. The 9-year-old also utilized an international signal for help by

days after publication in the Federal Register unless the Comfinds that adverse comments filed within 20 days of publication significant issues that merit additional consideration.

ARRL will continue to engage with the FCC in the regulatory a rulemaking process as part of our mission to promote and pro art, science, and enjoyment of amateur radio, and to develop generation of radio amateurs.

Learn More

Right Band, Right Mode and Right Time?

By Bill Green KF4TY

Have you wondered how reliable is the band condition prediction gr QRZ.COM? How can they possibly tell if the bands are good or just the without knowing where you are at? I personally have been very successive when QRZ suggested that the bands were poor or fair. I recently can a free web site that not only takes into account SFI, and A/K indexes one step further and predicts the band conditions down to a particular square. As we know from real estate it's all about location-location band or mode is good someplace may not be quite the same where Give it a try and let me know if you think their predictions are better graphic on QRZ.

DX Look (External Site)

Ham Radio Day Ignites STEM Curiosity In Northwest Ohio

From "The Village Reporter"

periodically using his whistle in three short bursts.

Then there were the mother's handwritten notes.

Full Article

Novel Amateur Radio Drill Aids in Emergency Communications at Paducah

-Contributor: Dylan Nichols

Original Article

PADUCAH, Ky. — The U.S. Department of Energy (DOE) Office of Environmental

Management (EM) Paducah Site has incorporated amateur radio into a drill for its emergency management program — a first in the nuclear cleanup complex that demonstrates the site's ability to maintain backup communications in the event of widespread equipment failure or telecommunications service loss during an emergency.

In the drill, local Amateur Radio Emergency
Service team members mobilized at the
Paducah Site Emergency Operations Center
where they established a portable
transmission station. Instead of relying on
traditional internet connection, they relayed
drill messages as emails over radio waves to
the DOE headquarters location in Washington,

Clubs from the very corner of northwest Ohio held a "very open" Har Open House event outside of Northwest State Community College s Archbold.

Standing by a tent erected on the college lawn, Stan DeGroff, W8SRI enthusiastically addressed a group of students saying, "Amateur rad of career choices! It can lead you in so many directions."

DeGroff, who is president of the Williams County Amateur Radio As: (WCARA), reminded them that so many facets of amateur radio can fascinating careers in the fields of science, technology, engineering mathematics. He explained how his own interest in amateur radio a computer programming led him to some interesting applications in career.

The students were there to meet with area ham radio operators as a an open house in celebration of World Amateur Radio Day.

One of the club members, Mike Kwiatkowski, KE8YUJ, an instructor college and a recent graduate of the ARRL Teacher's Institute, has be working with other WCARA club members to plan experiences that a more interest in young people about amateur radio.

After getting the go-ahead from the college to hold the Ham Radio C House on April 22, the group set up a tent with some working radios antennas and remote solar-powered equipment.

Kwiatkowski also spoke with a colleague, Matt Geiger, WB3AK, an ir at the Four County Career Center, which is next door to the college, said he would bring over a couple of classes of his high school stud the tent.

Since the students from both schools are largely from Williams, Fult Defiance and Henry counties, the club also put out the word to some members of the neighboring county amateur radio clubs to see if the like to come that day. D.C., and the <u>Portsmouth Paducah Project</u> <u>Office</u> in Lexington, Kentucky.

The unique drill highlights how EM draws from innovation to ensure safety excellence while working to meet DOE's legal cleanup responsibilities.

"This drill highlights our commitment to preparedness and innovation when dealing with emergencies," Paducah Site Lead April Ladd said. "By incorporating amateur radio, we've added another layer of resiliency that can keep vital communication lines open, even when traditional methods are down."

Historically, operators of amateur radio — commonly known as ham radio — have provided critical support during emergencies, including recent natural disasters affecting western Kentucky communities. Their participation in the Paducah Site drill underscores the important role community partners play in supporting DOE's mission, such as mutual aid agreements with local law enforcement and outside first responder agencies.

Four Rivers Nuclear Partnership (FRNP), the Paducah Site deactivation and remediation contractor, coordinated the innovative exercise. FRNP is tasked with conducting cleanup in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act.

"Strong partnerships between DOE, contractors and the community are at the

Gretchen Arno, KE8OKA, secretary of the Fulton County Amateur Ra made an impactful presentation as she contacted a man who was chis radio in a Parks On The Air contest in New Jersey.

It opened up a slew of questions about how amateur radio operator contacts, participate in contests, what equipment they use, how it h people, and more. Randall Schad, WZ8Q, president of the Defiance (Amateur Radio Club, also stopped by during the day.

Full Article

heart of the emergency management program at the Paducah Site," FRNP Program Manager Myrna Redfield said. "Exercises like this not only enhance our preparedness but also strengthen ties with local responders who share our commitment to protecting people and the environment."

The drill shows amateur radio can bridge communication gaps when cell phones, landlines or internet service are unavailable, giving first responders a powerful tool to ensure critical connections continue during a crisis.

While the Paducah Site maintains several communications systems, the addition of amateur radio provides a proven, low-cost and reliable alternative when conventional infrastructure is unavailable, site officials say

UPCOMING EVENTS AND INFORMATION

Special Event Stations

Contact these stations and help commemorate an historical occasion or other special event. Many special event stations a special QSL card or certificate.

Certificates and QSL cards: To obtain a certificate from any of the special-event stations offering them, send your QSO information along with a 9x12 inch self-addressed, stamped envelope to address listed in the announcement. To receive event QSL card (when offered), be sure to include a self-addressed, stamped business envelope along with your QSL card information.

December 2025



12/01/2025 | QCWA Anniversary Special Event Activity

Dec 1-Dec 7, 0000Z-2359Z, W2MM, Sandpoint, ID. Quarter Century Wireless Association, Inc.. 3.540/7.035/14.040/21.050/28.050 CW 3.810/7.244/14.262/21.365 SSB 28.325 MHz SSB Standard FT8/FT4 frequencies. Certificate. QCWA Activities Manager , 1613 Poplar St, Sandpoint, ID 83864-2081.

activitiesmanager@qcwa.org

12/01/2025 | W2W Pearl Harbor Day Commemoration

Dec 1-Dec 11, 1300Z-2200Z, W2W, Hunt Valley, MD. Amateur Radio Club of the National Electronics Museum (ARCNEM). 14.241 14.041 7.241 7.041. Certificate & QSL. ARCNEM, 338 Clubhouse Road, Hunt Valley, MD 21031. Amateur Radio Club of the National Electronics Museum (ARCNEM) will operate W2W in commemoration of the anniversary of Pearl Harbor Day and the role

12/11/2025 | WX3MAS

Dec 11-Dec 14, 1400Z-2200Z, WX3MAS, Nazareth, PA. Christmas City ARC. 14265 7270 3850. QSL. WX3MAS c/o DLARC, 14 Gracedale Ave, Nazareth, PA 18064. DLARC.club

12/13/2025 | Ike's Atoms for Peace Anniversary

Dec 13, 1430Z-2200Z, K3S, Port of Baltimore, MD. Nuclear Ship Savannah Amateur Radio Club. 7,14,18,21,28. Certificate. Ulis Fleming, 980 Patuxent Rd, Odenton, MD 21113. Check spotting networks for frequency. See QRZ.com info for Savannah Award grz.com/db/k3s

12/13/2025 | Pearl Harbor Remembrance Day

Dec 13, 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway Museum Ship. 14.320 7.250

of electronics in WWII. Primary operation will be Dec 1-Dec 7 with additional operation possible during the Dec 8-Dec 11 period as operator availability permits. Operation on 80M (3.541, 3.841) and digital modes possible during event. Frequencies +/- according to QRM. QSL and Certificate available via SASE; details at ww-2.us ww-2.us

12/05/2025 | Tubac, Arizona Luminaria Nights

Dec 5, 1700Z-2100Z, WE7GV, Sahuarita, AZ. Green Valley Amateur Radio Club. 14.242 14.250 14.260. Certificate & QSL. Tom Lang, 1085 West El Toro Road, Sahuarita, AZ 85629. https://www.gvarc.us

12/06/2025 | Christmas in Bethlehem

Dec 6, 0000Z-2359Z, W9WWI, Bethlehem, IN. Clark County Amateur Radio Club of Indiana (W9WWI) Local repeater (W9JBQ) 146.850 no tones . 7.2. Certificate. Clark County Amateur Radio Club , P.O. BOX 201, Sellersburg, IN 47172. https://www.clarkcountyarc.org

12/07/2025 | Pearl Harbor Remembrance USS Wisconsin on the air

Dec 7, 1700Z-2200Z, N4WIS, Norfolk, VA. USS Wisconsin ARC. 14.264 7.264 7.064. QSL. Nauticus c/o Battleship Wisconsin Radio Club 14.070 PSK31 DSTAR on Papa System Repeaters. QSL. USS Midway Museum Ship COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101. www.qrz.com/db/ni6iw

12/19/2025 | Christmas in Bethlehem, NM

Dec 19-Dec 24, 1500Z-2359Z, KC50UR, Peralta, NM. Valencia County ARA. 7.183 14.283 21.283 28.383. QSL. VCARA, P.O. Box 268, Peralta, NM 87042. KC50UR.com

O1/O2/2026 | 20th Annual Straight Key Month. K3Y/O thru 9 plus KH6, KL7, KP4 and DX member stations in six WAC areas operating straight key, bug and cootie keys. QSL card confirms one QSO per area, up to 19 for all-area sweep. See URL for op sched/map, stats, etc.

Jan 2-Jan 31, 0000Z-2359Z, K3Y, Ellicot City. SKCC - Straight Key Century Club. 3.550 7.055 14.050 21.050. Certificate & QSL. SKCC c/o Ted Rachwal - K8AQM, 6237 Twin Lakes Drive, Smiths Creek, MI 48074.

www.skccgroup.com/k3y



To learn more about and to search even more special event stations click the adjacent link:

BSFARC.ORG



Be sure to like and follow us on FaceBook

f

Visit us on the web at https://BSFARC.ORG

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The Modulator newsletter is published monthly for members and friends of the Big South Fork Amateur Radio Club. BSFARC any responsibility for the accuracy or content of articles published herein. The opinions expressed are solely those of the aut BSFARC neither necessarily endorses nor opposes said opinions, brand names, products, businesses, organizations, etc. Substant of any amateur radio related articles is encouraged and welcomed. Submit your article to the editor: Bill Green-KF4TY, PO Bosonieda, TN 37841 (or E-mail to: KC8SPV@gmail.com) for publication in THE MODULATOR. The deadline for articles is the 15 month.

MailPoet