



# MARC Beacon

Volume 12, Issue 5 The Morongo Basin Amateur Radio Club Newsletter

MAY 2023

Hello radio operators. Spring is definitely here. The flowers are blooming and it's getting warmer. Cinco de Mayo is on Friday during a full moon, which means it will probably be a crazy night.

**Our next monthly meeting will be a week early, 1800 Thursday 11 May, at the Church of the Nazarene in Yucca Valley. The subject will be "Field Day".**

Don't forget Mother's Day on Sunday 14 May.

The Annual Community Preparedness Event will be held 0900 - 1300 on Saturday 20 May, in the Walmart parking lot. Which is also Armed Forces Day. Around 0800 Judy and I will set up a white canopy tent with the MARC banner and flag. We will also have a 2-meter radio set up for the coffee talk net, and an HF radio for long distance comm. An assortment of FRS and GMRS radios will also be on display. The theme will be "emergency communications with radios". Please join us to talk about HAM radio, and convince people to get their license.

*Monday 29 May is Memorial Day. A solemn occasion to remember all of those who sacrificed their lives for our country during conflicts.*

Please schedule time to check in on the 7 PM Tuesday net, and if you can, please join us on the "Cawfee Tawk" net everyday from 1000 to 1100 AM.

Take care of yourself and enjoy each day. If you're not having fun, then you're doing something wrong.

**Rob Cloutier**  
**WO4ROB**

Joshua tree  
Club President  
(760)401-6666

[rob\\_cloutier@hotmail.com](mailto:rob_cloutier@hotmail.com)



## Nets

Amateur Radio Emergency Service (ARES)  
Mon @ 1915  
Morongo Basin Amateur Radio Club (MARC)  
Tue @ 1900  
**MARC Daily informal Kawfee Talk**  
**1000-1100 DAILY**

## Social Media,

Club web page: <http://www.w6ba.net>

Facebook:

<https://www.facebook.com/MorongoBasinAmateurRadioClub>

## Club Meeting

**Every 3rd Thursday of the month at 6 PM. At the church of the Nazarene in Yucca Valley at 56248 Buena Vista Dr**

## Linked Repeaters

**Yucca Valley, W6BA**

146.790 MHz (- shift = 146.190 MHz) 136.5 Hz PL/CTCSS

**Twentynine Palms, W6BA**

147.060 MHz (+ shift = 147.660 MHz) 136.5 Hz PL/CTCSS

**Landers, WB6CDF**

447.580 MHz (- shift = 442.580 MHz) 173.8 Hz PL/CTCSS

## OTHER AREA REPEATERS

IRLP Node KD6DIQ 145.770 pl 67.0

San Jacinto TRAM one 145.480 (-) pl 107.2

Snow Peak 445.160 (-) pl 67.0

ALLSTAR NODE on the mesa 147.705 pl 146.2

ALLSTAR NODE in Y.V. 446.120 pl 131.8

**WWW.W6BA.NET**



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## KEN HENDRICKSON, W6BZY



Some helpful you tube videos from Ken W6BZY about Linux and raspberry Pi.



Search **W6BZY** on YouTube.



## LOCAL REPEATER ON PAXTON HILL

### OUR CLUB MEETING!!!!

IN THE MONTH OF APRIL, OUR LOCAL CLUB MEETING WILL BE :

6:00 P.M. APRIL 20 TH

At Church of the Nazarene in  
Yucca Valley at  
56248 Buena Vista Dr.

## NEW CLUB FACEBOOK GROUP FOR THE MARC CLUB

I have created a Facebook "Group" for the Club. We currently have a FB "Page" which only allows Admins and Moderators to post directly on the Posts section.

Here is the link to the new "Group" - so if you are on Facebook, please click on this link and LIKE our new Group.

<https://www.facebook.com/groups/577155023327981>

The new Group will be must more user friendly.  
Feedback is most welcome. Thanks, Judy, N6JLL

THANK YOU JUDY N6JLL

# Membership Dues

We are doing our club dues round up at the beginning of the year.

If you're not sure if your dues are up to date, please check with Glenn N6GIW and he can let you know if they are due or when they are due.

Not everyone is due at the same time of the year

## COMING SOON





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**PLEASE NOTE !!! OUR  
MAY CLUB MEETING  
WILL BE ONE WEEK  
EARLIER THAN NORMAL  
ON MAY 11<sup>TH</sup>.**

## **ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band**

The Federal Communications Commission (FCC) is seeking comments about changing the secondary allocation available to radio amateurs on 60 meters. The FCC issued a Notice of Proposed Rulemaking (NPRM) on April 21, 2023, that deals with the band. In a prior petition, [ARRL The National Association for Amateur Radio®](#) urged protecting the existing use of the band by amateurs when adding a new allocation adopted internationally.

Currently, radio amateurs in the US have access to five discrete channels on a secondary basis: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Users of these channels are limited to an effective radiated power (ERP) of 100 W PEP.

The FCC proposes to allocate 15 kHz of contiguous bandwidth between 5351.5 - 5366.5 kHz on a secondary basis with a maximum power of 15 W EIRP (equivalent to 9.15 W ERP). This allocation was adopted at the 2015 World Radiocommunication Conference (WRC-15).



The federal government is the primary user of the 5 MHz spectrum. The government's manager of spectrum use, the National Telecommunications and Information Administration (NTIA), has expressed support for implementing the allocation as adopted at WRC-15. Doing so would result in amateurs losing access to four of the five discrete channels, and power limits would be reduced from 100 W ERP to 9.15 W ERP. However, it would provide access to a new contiguous 15 kHz band that includes one of the current five channels.

In 2017, [ARRL petitioned the FCC](#) to keep the four 60-meter channels that fall outside the new band, as well as the current operating rules, including the 100 W PEP ERP limit.

The ARRL petition stated, "Such implementation will allow radio amateurs engaged in emergency and disaster relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly, and more capably conduct those communications."

ARRL said that years of amateur radio experience using the five discrete channels have shown that amateurs can coexist with primary users at 5 MHz while complying with the regulations established for their use. The petition also stated, "Neither ARRL, nor, apparently, NTIA, is aware of a single reported instance of interference to a federal user by a radio amateur operating at 5 MHz to date."

In [the NPRM](#), the FCC recognizes that Canada has already adopted 60-meter allocations and related rules that align with those proposed by ARRL. The Commission wrote, "Finally, we note that Canada has essentially implemented the same rules as ARRL has requested."



The FCC proposed to allocate the 15 kHz bandwidth, but stopped short of making a proposal on whether the existing channels should remain allocated to amateur radio and





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what the power limitations should be. They requested comments on their proposal and the related channel and power issues.

Comments will be due 60 days after the NPRM is published in the Federal Register, which is expected within the next two weeks.

## Annual Armed Forces Day Crossband Test

The US Department of Defense (DoD) will host this year's Armed Forces Day (AFD) Crossband Test on May 13, 2023. This annual event is open to all licensed amateur radio operators and will not impact any public or private communications. For more than 50 years, military and amateur stations have taken part in this event.

The AFD Crossband Test is a unique opportunity to test two-way



communications between military communicators and radio stations in the Amateur Radio Service (ARS), as authorized in 47 CFR 97.111. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise scenario.

Military stations will transmit on selected frequencies and will announce the specific ARS frequencies monitored. All of the times are Zulu (Z), and all frequencies are Upper Side Band (USB) unless otherwise noted. The frequencies used for the test will not stray outside the confines of the exercise.

A complete list of frequencies, time periods, QSL cards, and other information can be found at [DoD MARS - Armed Forces Day](#).

AFD is a time of honor. It will be celebrated on Saturday, May 20, 2023. The first AFD was celebrated with parades, open houses, receptions, and air shows. Today, many events and activities take place and may include multi-service military displays in areas open to the public, various educational activities that teach children about the armed forces, and large parades with local celebrations.

The longest running AFD parade in the United States is held in Chattanooga, Tennessee. Certain types of music will be played at AFD 2023 events to show respect to those in the armed forces who died for their country.

## 2023 Online Ham Bootcamp

The [Nashua Area Radio Society's](#) spring 2023 online Ham Bootcamp will be held on Saturday, May 13, from 10 AM to 6 PM Eastern Time.

Access to the session will be provided via [Zoom](#).



Ham

Bootcamp includes a series of demonstrations and tutorials designed to help newly licensed Technician-, General-, and Extra-class license holders get on the air. Ham Bootcamp is also a great opportunity for hams who are interested in seeing what the hobby has to offer.

The online Ham Bootcamp program is available to all licensed and prospective amateur radio operators. You can register for the next Ham Bootcamp session [here](#). For additional information, contact Anita Kemmerer, AB1QB, of the Nashua Area Radio Society at [ab1qb@arrl.net](mailto:ab1qb@arrl.net).



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The Nashua Area Radio Society is an ARRL Affiliated Club.

## National Voice of America Museum of Broadcasting Open during 2023 Dayton Hamvention®.

The National Voice of America Museum of Broadcasting, in conjunction with the West Chester Amateur Radio Association, announced their expanded hours during the 2023 Dayton Hamvention®.

The museum will be open Thursday, May 18, from 1:00 PM to 9:00 PM; Friday, May 19, from 1:00 PM to 9:00 PM; Saturday, May 20, from 12:00 PM to 9:00 PM, and Sunday, May 21, from 12:00 PM to 5:00 PM.



VOA Museum.

Admission is \$10.00 at the door. The West Chester Amateur Radio Association, WC8VOA, will be on the air. The museum is a short drive from Hamvention, down Interstate 75 or Route 42 from Xenia. Use the Crosley Blvd address on your GPS.

New exhibits include a dedicated room for amateur radio and shortwave equipment and a newly renovated ham shack with state-of-the-art equipment from Yaesu, Icom, and Elecraft. Docents and operators will be available to enhance visits to the museum.

For further information, visit [voamuseum.org](http://voamuseum.org) or [wc8voa.org](http://wc8voa.org). You can also find the museum on Facebook or call 513-777-0027. The museum's regular hours are Saturdays and Sundays from 1:00 PM to 4:00 PM, and it is located at 8070 Tylersville Road, West Chester, Ohio.

## ARSA Announces 2023 Award Winner

The [Amateur Radio Software Award \(ARSA\)](http://www.arsaaward.com) Committee has announced that GridTracker, a project led by Stephen Loomis, N0TTL, and the GridTracker.org team, has been selected as the recipient of the 4th annual Amateur Radio Software Award.

The award recognizes software projects that enhance amateur radio and promote innovation, freedom, and openness in amateur radio software development.



The committee received many nominations for the 2023 award, and after careful consideration, GridTracker was chosen as the winner. The committee was impressed by the breadth of features in GridTracker, its innovative graphic interface, and its ability to make amateur radio more fun.

GridTracker is a tool that visualizes WSJT-X amateur radio traffic, like FT8 and contacts from log files, which makes it easier for radio amateurs to track their contacts and participate in contests. Its unique approach to visualizing radio traffic adds a new dimension of enjoyment to the radio art.

To learn more about GridTracker, visit <https://gridtracker.org>.



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As part of the award, Loomis has requested that a \$300 grant be donated to the [National Alliance on Mental Illness \(NAMI\) of Oregon](#), a nonprofit organization dedicated to improving the lives of individuals and families affected by mental illness.

The ARSA Committee is already looking forward to next year's award and welcomes input and nominations for future awards



The year-long ARRL Volunteers on the Air event continues, recognizing ARRL volunteer's support and contributions. Get on the air and make contacts with as many ARRL volunteers or members as possible. There will be week-long activations of portable W1AW/# stations in all 50 states, and in several US Possessions/Territories. For a schedule of W1AW/# portable operations, see the [W1AW Portable Activations Schedule](#). Be sure to upload your logs to LoTW and check your score online. Check out the full details at <http://vota.arrl.org>

## WHAT IS FIELD DAY !!

Produced by ARRL, the national association for amateur radio <http://www.arrl.org> ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, thousands of radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations. Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN! It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar. The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than



optimal conditions. We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency







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activities. But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called “hams”) are well known for our communications support in real disaster and post-disaster situations. What is the ARRL? The American Radio Relay League is the national association for Amateur Radio in the USA, representing over 170,000 FCC-licensed Amateurs. The ARRL is the primary source of information about what is going on in ham radio. It provides books, news, support and information for individuals and clubs, special events, continuing education classes and other benefits for its members. What is Amateur Radio Often called “ham radio,” the Amateur Radio Service has been around for a century. In that time, it’s grown into a worldwide community of licensed operators using the airwaves with every conceivable means of communications technology. Its people range in age from youngsters to grandparents. Even rocket scientists and a rock star or two are in the ham ranks. Most, however, are just normal folks like you and me who enjoy learning and being able to transmit voice, data and pictures through the air to unusual places, both near and far, without depending on commercial systems. The Amateur Radio frequencies are the last remaining place in the usable radio spectrum where you as an individual can develop and experiment with wireless communications. Hams not only can make and modify their equipment, but can create whole new ways to do things. For More Information visit: [www.arrl.org/field-day](http://www.arrl.org/field-day)

## ARRL Field Day Rules

*Revised 3/3/2023*

**1. Eligibility:** Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit and may submit entries as check-logs.

**2. Object:** To work as many stations as possible on

the 160-, 80-, 40-, 20-, 15- and 10-meter HF bands, as well as all bands 50 MHz and above, and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of amateur radio.

**3. Date and Time Period: Field Day 2023 will be held June 24-25.** Field Day is **ALWAYS the fourth full weekend**, beginning at 1800 UTC Saturday and ending at 2059 UTC Sunday.

3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire 27-hour Field Day period.

3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No class A or B station may begin its set-up earlier than 0000 UTC on the Friday (Thursday afternoon or evening local time) preceding the Field Day period. Cumulative set-up time shall not exceed a total of 24 hours.

**4. Entry Categories:** Field Day entries are classified according to the maximum number of simultaneously transmitted signals, followed by a designator indicating the nature of their individual or group participation. The minimum number of transmitters that must be claimed is one (1). Twenty (20) transmitters maximum are eligible for the purpose of calculating bonus points (2,000 points maximum). However, additional transmitters which may legitimately be used simultaneously will determine your entry category classification, but will not earn additional bonus points (i.e. 22 transmitters = 22A). The use of switching systems that allow for lock-outs in order to use multiple transmitters (i.e., an “octopus”) in an attempt to enter a lower-number-of-transmitters class are prohibited (i.e. using 2 transmitters that can transmit simultaneously, with two operators, and a lock-out system and entering class 1A). The use of simulcasting devices which allow a single operator to key and transmit on more than one transmitter at a time, is prohibited. **Bonus stations, such as the GOTA station and satellite station do not count towards determining the number of transmitters for the class and do not qualify for transmitter bonus points.**

**4.1. (Class A) Club / non-club portable:** Club or a non-club group of three or more persons set up specifically for Field Day. Such stations must be located in places that are not regular station locations and must not use facilities installed for permanent station use, or use any structure installed permanently for Field Day. A single licensee or trustee for the



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entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). To be listed as Class A, all contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains. Entrants whom for any reason operate a transmitter or receiver from a commercial main for one or more contacts will be listed separately as Class A-Commercial.

**4.1.1. Get-On-The-Air (GOTA) Station.** Any Class A (or F) entry whose transmitter classification is two or more transmitters may also operate one additional station without changing its base entry category, known as the GET-ON-THE-AIR (GOTA) station. **This GOTA station may operate on any Field Day band, HF or VHF, but is limited to one GOTA station transmitted signal at any time.**

4.1.1.1. This station **must use a different callsign** from the primary Field Day station. The GOTA station must use the same callsign for the duration of the event regardless if operators change. **The GOTA station uses the same exchange as its parent.**

4.1.1.2. The GOTA station may be operated by any person licensed since the previous year's Field Day, regardless of license class. It may also be operated by a generally inactive licensee. Non-licensed persons may participate under the direct supervision of an appropriate control operator. A list of operators and participants must be included on the required summary sheet to ARRL HQ.

4.1.1.3. As per FCC rules, this station must have a valid control operator present at the control point if operating beyond the license privileges of the participant using the station.

4.1.1.4. The maximum transmitter output power for the GOTA station shall be 100 watts. If the primary Field Day group is claiming the QRP multiplier level of five (5), the maximum transmitter output power of the GOTA station may not exceed 5 watts.

4.1.1.5. **NEW FOR 2023: There is no limit to the number of contacts made by the GOTA station. All GOTA station contacts are worth five (5) points, regardless of mode.** In addition, bonus points may be earned by this station under rule 7.3.13.

4.1.1.6. The GOTA station may operate on any Field Day band. Only one transmitted signal is allowed from the GOTA station at any time.

4.1.1.7. The GOTA station does not affect the additional VHF/UHF station provided for under Field Day Rule 4.1.2. for Class A stations.

4.1.1.8. Participants are reminded that non-licensed participants working under the direction of a valid control operator may only communicate

with other W/VE stations or with stations in countries with which the US has entered a third-party agreement.

4.1.1.9. The GOTA station does not qualify as an additional transmitter when determining the number of transmitters eligible for the 100-point emergency power bonus under Rule 7.3.1.

**4.1.2. Free VHF Station:** All Class A entries may also operate one additional transmitter if it operates exclusively on any band or combination of bands above 50 MHz (VHF/UHF) without changing its basic entry classification. This station does not qualify for a 100-point bonus as an additional transmitter. This station may be operated for the clubs Field Day period and all contacts count for QSO credit. **It is operated using the primary callsign and exchange of the main Field Day group** and is separate and distinct from the GOTA station.

**4.2. (Class A - Battery) Club / non-club portable:** Club or non-club group of three or more persons set up specifically for Field Day. All contacts must be made using an output power of 5 watts or less and the power source must be something other than commercial power mains or motor-driven generator (e.g.: batteries, solar cells, water-driven generator). Other provisions are the same for regular Class A. Class AB is eligible for a GOTA station if GOTA requirements are met; however if a GOTA station is used in this class it must meet the 5 watts or less power requirement of this category. Class A - Battery entries will be listed separately.

**4.3. (Class B) One or two person portable:** A Field Day station set up and operated by no more than two persons. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B entries will be listed separately.

**4.4. (Class B - Battery) One or two person portable:** A Field Day station set up and operated by no more than two persons. All contacts must be made using an output power of 5 watts or less **and** the power source must be something other than commercial mains or motor-driven generator. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B - Battery entries will be listed separately.

**4.5. (Class C) Mobile:** Stations in vehicles capable of operating while in motion and normally operated in this manner. This includes maritime and aeronautical mobile. If the Class C station is being powered from a car battery or alternator, it qualifies for emergency power but does not qualify for the multiplier of 5, as the alternator/battery system constitutes a motor-driven generating system.





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**4.6. (Class D) Home stations:** Stations operating from permanent or licensed station locations using commercial power. Class D stations can count contacts with any other station for QSO credit.

**4.7. (Class E) Home stations - Emergency power:** Same as Class D, but using emergency power for transmitters and receivers. Class E may work all Field Day stations.

**4.8. (Class F) Emergency Operations Centers (EOC):** An amateur radio station at an established EOC activated by a club or non-club group. Class F operation must take place at an established EOC site. Stations may utilize equipment and antennas temporarily or permanently installed at the EOC for the event. Entries will be reported according to number of transmitters in simultaneous operation. Class F stations are eligible for a free VHF station. At Class 2F they are also eligible for a GOTA station.

4.8.1. For Field Day purposes, an Emergency Operations Center (EOC) is defined as a facility established by:

- a) a Federal, State, County, City or other Civil Government, agency or administrative entity; or,
- b) a Chapter of a national or international served agency (such as American Red Cross or Salvation Army) with which your local group has an established operating arrangement;

4.8.1.1. A private company EOC does not qualify for Class F status unless approved by the ARRL Field Day Manager.

4.8.2. Planning of a Class F operation must take place in conjunction and cooperation with the staff of the EOC being activated.

4.8.3. Other provisions not covered are the same as Class A.

4.8.4. A Class F station may claim the emergency power bonus if emergency power is available at the EOC site.

4.8.4.1. The emergency power source must be tested during the Field Day period but you are not required to run the Class F operation under emergency power.

## 5. Exchange:

**Stations in ARRL / RAC sections** will exchange their Field Day operating Class and ARRL / RAC section. Example: a three transmitter Class A station in Connecticut which also has a GOTA station and the extra VHF station would send "3A CT" on CW or Digital, or "3 Alpha Connecticut" on Phone.

**DX stations** send operating class and the term DX (i.e. 2A DX).

A COMPLETE LIST OF RULES CAN BE FOUND AT

<http://www.arrl.org/field-day-rules>

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Field Day is June 24-25,  
2023 Start: 1800 UTC  
Saturday End: 2059 UTC  
Sunday (see rules 3.1,  
3.2, 3.3) Always the  
fourth full weekend in  
June

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## OUR LOCAL FIELD DAY INFORMATION

FIELD DAY will be located at our usual spot the Yucca Mesa Community Center

3133 Balsa ave yucca valley off of Aberdeen dr.

Talk in will be on the yucca valley repeater

146.790 pl 136.5

For more info contact me Keith N6GKB

760-401-5124. OR [n6gkb@live.com](mailto:n6gkb@live.com)

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## Notes:

- So the plan is that Friday the 23<sup>th</sup> I plan to setup antennas and coax runs and stations inside and test equipment. And get kitchen setup for the weekend.



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- Please let me know if you can help that day. **I deeply appreciate it.**
- Test laptops and check with everyone that is participating to be sure they are ready for logging the weekend entries. And any last-minute questions.
- Remember, Field Day is a non-adjudicated operating event and not a “full speed ahead” contest. It is also not an HF-only event -- all amateur radio bands above 50 MHz may be used during the event. I may try using UHF VHF.
- There will be food served Friday for the volunteers that help with the setup. Also food Saturday and Sunday for all hams that are paid upto date with the club. If your not sure we can look up your date and you can pay onsite.
- Also Saturday there will be testing available if you need to get your technician or wish to upgrade your current ham license.

**safe for now still participate in field day with the other club members but from your home. If you need help setting up your computer or the software let me know ASAP so I can get time to do so. But hopefully it is simple to get and use with the instructions above.**



## LOGGING INFO FOR FIELD DAY

You CAN use this software from N3FJP; I have updated the Field Day software to accommodate point scoring for D station to D station QSOs. If you plan to operate in a category other than D, version 6.2 is fine, **but if you will be operating in the D class, please upgrade to version 6.3.** You will find version 6.3 here:

<http://n3fjp.com/fieldday.html>

And the upgrade steps here:

<http://n3fjp.com/upgradestepscontest.html>

**USE THE PASSWORD 34744 AND IF YOU DO YOU WILL NEED TO ENTER MY CALL N6GKB.**

To get full use of the program!

**This will be the program can use on your computer for logging.**

**I think this will help a lot of our club members that can't make it out or wish to stay home and**



WWW.ARRL.ORG



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## For Sale Yaesu VL-1000 Quadra Amplifier



If you know anyone who wants an amplifier, I have one. Terms are available.

Hi!

For Sale Yaesu VL-1000 Quadra Amplifier. Good+++++ condition. Reason For Selling --- Downsizing! Only owner and used every day. I used it with my Yaesu 991A, Elecraft KX3 and Yaesu 857D\*\*\*\*\*. Included are:

Manual and original Boxes.

ACL Cable

Band Data Cable

Control Cable

Here is an excellent you tube video on the components and operation:

<https://www.youtube.com/watch?v=-mFcUjjhFIQ>

### Ultra-Conservative Design

The VL-1000 is crafted with reliability as the #1 objective and other parameters allows the microprocessor to control time. And the extensive heat sink design provides a huge heat sink for the components.

### Quad Push-Pull Design

Utilizing eight rugged MRF-150 MOS FET power transistors, the design team has conquered the difficult challenge of low spurious emission, along with high reliability.

### Automatic Band Change

When operating with most modern Yaesu transceiver and the VL-1000, allowing automatic band changing.

The VL-1000 also provides automatic band changing and band excitors; just a press of the "F-SET" key is required to change bands.

### Two Input and Four Output Jacks

Ensuring easy integration into your multi-rig Yaesu station, the VL-1000 has four output (antenna) jacks. The microprocessor automatically selects the correct antenna according to your original setup, so you never have to change cables.

### Automatic Antenna Tuner

The built-in Automatic Antenna Tuner is designed to match the antenna system, ensuring full power output without placing the antenna under stress.

And unlike some solid state amplifiers, if you forget to check the SWR somewhat over 2:1, the VL-1000 doesn't turn itself off, let you try to make the contact. further power reduction is not required.

THIS INFO CAN BE FOUND @

<https://www.yaesu.com/indexVS.cfm?cmd=DisplayProducts&ProdCatID=102&encProdID=261A83CAF673084AAC58C6801013F76F>

## SUMMARY

### HF/50MHz Linear Amplifier

For a bold, clean signal from "Top Band" through the "Magic Band," the VL-1000/VP-1000 QUADRA SYSTEM belongs in your station! Innovative Quadra Push-Pull RF Design for 1 kW of MOSFET Power! Yaesu's engineers have conquered the challenging task of providing high power output from 160 through 6 meters!\* Yaesu's exclusive Quadra Push-Pull design utilizes 8 rugged MRF-150 MOS FETs for years of reliable operation. Special attention to system grounding and RF bypassing ensures very low spurious emissions, even at maximum power output.

Retail New \$4,000+ Asking \$1,500

Tom McLean KJ6DZT

760.393.1999

## FEATURES





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## MAY 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS G				
7	8	9	10	11	12	13
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS ROB		CLUB MEETING AT 8:00 PM		
14	15	16	17	18	19	20
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS FRED				
21	22	23	24	25	26	27
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS KEITH				
28	29	30	31			
	ARES Net 7:15 pm	MARC Net 7:00 pm NCS LARRY				