



The Kern River Voice

The Monthly Newsletter of the Sequoia Amateur Radio Group



Volume 18- Issue 5
May 2023



<http://www.n6krv.org>

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2023 Leadership

President

Dale KG6TBQ (661) 867-0501

Vice President

Cheryl KN6PUQ (661) 867-0501

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Christine Hesse (661) 303-6342

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Mike KA6IYS (760) 378-1028

Board Member

Don KC6OCA (760) 379-5084

Membership Chair

Bill N6TF (661) 332-2287

Newsletter Editor

Mike KA6IYS (760) 378-1028

ARES Net

Monday – 6:45PM
145.450(-) PL 156.7

Club Nets

HF Net -Tue/Thu/Sat 8PM
3813.0 MHz

VHF Net – Wed 7PM
145.450(-) PL 156.7

Prune Juice & BS Net

Daily (exc. Sunday) 9AM
145.450(-) PL 156.7

SARG Monthly Meetings

Second Sat. (exc. Dec.)
Kern Valley Elk's Lodge
6708 Wofford Blvd
Wofford Heights, CA 93285

The Prez Sez:



Hello All,

We were saddened to report that Gregg Causey became Silent Key April 13, 2023. We grieve with his family. We'll miss him.

We had a great meeting April 8th. We enjoyed seeing everyone after a long hiatus. We appreciated the information presented by our featured speaker, Ron Thome on the subject of digital radio. It was very informative and useful. We look forward to using the digital repeaters he mentioned.

We look forward to seeing everyone again at our next get-together, which will be a swap meet / hot dog roast / potluck at 10:00 AM, at Valley Estates Community Center, 14213 Allen Avenue, Weldon, CA 93283 Bring items or pictures of items you would like to sell or give away.

We look forward to seeing everyone there. Come and join the fun!

Dale, KG6TBQ

Ham Radio License Exams

The club provides exams for new licenses and upgrades on a monthly basis, except December, at the Valley Estates Community Center, 14213 Allen Avenue, Weldon, CA 93283. The sessions are normally held on the third Saturday of the month at 11AM. In May only, it will be the second Saturday during the Pot Luck/Swap Meet. You must preregister at least one day in advance. The forms and instructions to preregister are on the club website at <https://n6krv.org/exam-info/>. The exam fee is \$10 and there are waivers available as detailed on the webpage. The Federal Communications Commission also has a fee and, in most cases, it is \$35 and is not generally waived. We do not collect the FCC fee; they will provide payment directions after they receive and process your paperwork. If you plan to take the General Class examination, please be aware a new question pool will take effect July 1, 2023. You can find the old and new question pools at <http://www.ncvec.org/>. As the July 1st changeover date gets closer the edited pool with only the correct answers listed will be added to our website as referenced above.



Get on the air! Join us every weekday morning, except Sunday, on the Prune Juice net on the Rocky Point Repeater, 145.450(-), 156.7 Tone, 9AM.



Silent Key



Gregg Causey, KF7ZI, became a Silent Key on April 13, 2023. Gregg was a member of our club in years past, but had become inactive in the latter years as his health declined. At this time a memorial service is planned, but not yet scheduled. His mother, Jane KA6CSZ (SK), was a charter member of our club and held various offices prior to her passing. The club sends it's condolences to the family.

Sickness and Distress

Pete, W6SV, and David, W6JYD, continue to recover from their ails.

Please keep both of them and their families in your thoughts and prayers.

If you know of anyone else that should be listed here, please let the editor know at editor@n6krv.org



You can't say B or M without both of your lips touching.

The average size of an American diamond engagement ring is 0.8 carats.

The average person has 100,000 hairs on their head. Each hair grows about 5 inches (12.7 cm) a year.

Rats laugh when you tickle them.

Currently, there are approximately 752 million domestic pigs worldwide, 406 million of which can be found in China.

The longest snake in the world is the reticulated python, the largest recorded individual being nearly 33 feet long. Because of the size reticulated pythons can eat wild hogs, deer and bears.

Random Facts from the OMG Calendar

The Western lowland gorilla's scientific name is *Gorilla gorilla gorilla*.

Bamboo can grow at a speed of around three feet per day!

A female dude is a dudine, not a dudette.

The Statue of Liberty wears a size 879 sandal.

On a clear night, the human eye can see a candle burning from up to thirty miles away.

Leaving the bottle, Heinz Ketchup travels at .028 miles per hour.

Kissing can reduce tooth decay.

Yawning is contagious. Even thinking about yawning is enough. In fact, there's a 50% chance that you're about to, or just did, yawn.

There are more TV sets in an average household than there are people.

Any free-moving liquid will form itself into a sphere in outer space because of its surface tension.

About 40% of people who go to a party in someone's home admit to snooping in the host's medicine cabinet.

A lightning bolt strikes so quickly it could circle the globe eight times in just one second.

Snakes are venomous, not poisonous. An animal is considered poisonous when eating or touching it makes you sick (e.g. toads). An animal is venomous if being bitten or injected makes you sick (e.g. snakes, jellyfish and spiders)

When we are born our eyes are almost full size, but our nose and ears never stop growing.



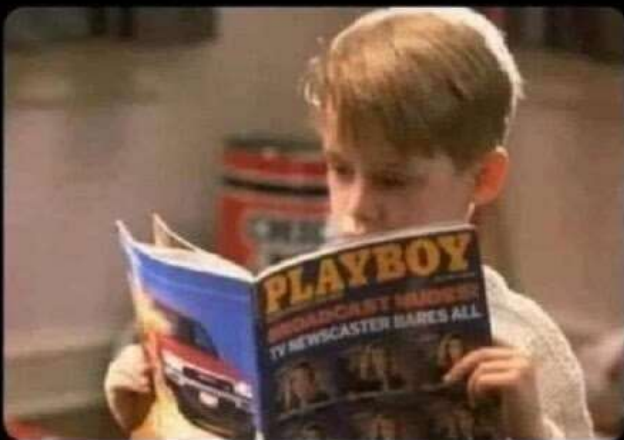
The official sports drink when I was a kid..



sun-gazing.com
INFINITY

Be grateful that no matter how much chocolate you eat, your earrings will still fit.

Gender study when I was a kid



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

04/28/2023

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 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.

RF Exposure and Your Station

[Note: This was first published 2 years ago, the compliance window is now closing]

In some recent rule changes the FCC has strengthened its stance on RF exposure in all radio services, including amateur radio. There are two dates you need to be aware of in order to be in compliance with the new regulations:

1. **May 3, 2023** if you were exempt from doing an RF evaluation under the "old" rules.
2. May 3, 2021 (NOW!) if you put a new station on the air or make any change to the power radiated by an existing station.

For most of us we only need to make some simple calculations using an online calculator to ensure we are not exceeding the exposure limits. Rather than go into details here I will refer you to the ARRL website

<https://www.arrl.org/news/arrl-now-provides-free-rf-exposure-calculator>

<http://arrl.org/rf-exposure-calculator>

You should be able to complete your evaluation using the above links and will most likely find that you are in compliance without having to make any changes to your station(s). It would be a good idea to make a record of your evaluations, though it is not required, in the event the FCC should contact you perhaps based on an RFI complaint from a neighbor.

RF Exposure Calculator [This is a copy of the ARRL webpage]

The FCC has changed its RF-exposure rules, eliminating service-specific exemptions from the need to do a routine RF-safety evaluation and replacing those exemptions with a formula that applies to all radio services. See the [FAQ on the ARRL RF-Exposure page](#) for more information. The rules did not change the exposure limits nor the two-

tiered exposure environments for controlled and uncontrolled exposure. The controlled limits generally apply to amateurs and members of their household if those people have been given instructions by the amateur about RF safety. The uncontrolled limits apply in all other circumstances, such as exposure to the general public.

To use the RF Exposure Calculator, fill-in the form below with your operating power, antenna gain, and the operating frequency. Depending on how far above ground the RF source is located, you might want to consider ground reflections — and then click "Calculate".

You may need to run the calculator multiple times to get a complete picture of your situation, i.e. take into account the antenna's lobes and directionality.

[View detailed instructions](#) for each parameter. (opens in new tab/window)

Parameters

Power at Antenna: ([Need help with this?](#)) (watts)

- Mode duty cycle:

Transmit duty cycle: (time transmitting)
You transmit for minutes then receive for

- minutes (and repeat).
- Antenna Gain (dBi): ([Need help with this?](#))

- Operating Frequency (MHz):

Include Effects of Ground Reflections

If you would like to receive future announcements of any FCC news related to RF-exposure or the requirements for amateurs to evaluate their stations, you may **optionally** provide an email address.

Email Address: (optional)

Comments: (optional)

Results for a controlled environment:

Maximum Allowed Power Density (mw/cm²):

Minimum Safe Distance (feet):

Minimum Safe Distance (meters):

For an uncontrolled environment:

Maximum Allowed Power Density (mw/cm²):

Minimum Safe Distance (feet):

Minimum Safe Distance (meters):

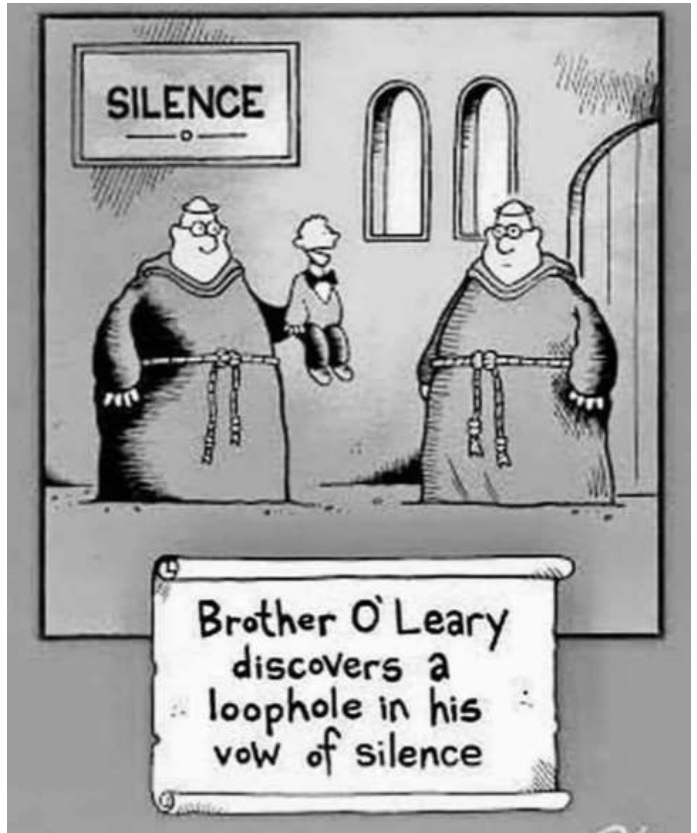


Calculation Sources:

FCC's OST Bulletin 65, originally issued in 1985 and revised in 1997, provides additional guidance for evaluating compliance with the latest FCC policies and guidelines and is available [here](#). A supplement for the Amateur Radio Service (Supplement B) is available [here](#). Likewise a supplement for Mobile and Portable equipment (Supplement C) is available [here](#).

Credits:

The Javascript contained on this page was derived from a public domain BASIC program written by Wayne Overbeck N6NB and published in the January, 1997 issue of CQ VHF, p. 33. Terms: [GNU Licence](#). This version of the calculator is an iteration of what was generously provided by the [Lake Washington Ham Club](#), Kirkland WA



Yep, it's a Ham Radio.



**YOU KNOW WHEN
YOU BUY A BAG
OF SALAD & IT
GETS ALL BROWN
& SOGGY?**

**COOKIES DON'T
DO THAT**

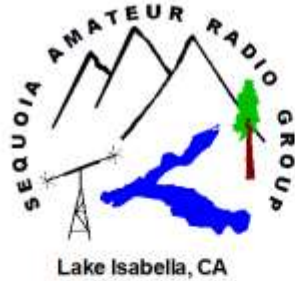
My teacher told me not to worry about spelling because in the future there will be autocorrect And for that I am eternally grapefruit.

Last year I replaced all the windows in my house with those expensive, double-pane, energy-efficient kind. Today, I got a call from Home Depot who installed them. The man complained that the work had been completed a year ago, and I still hadn't paid for them.

HHHelloo.....just because I'm blonde doesn't mean that I am automatically stupid. So, I told him just what his fast-talking sales guy had told me last year... that these windows would pay for themselves in a year.

Hellooooo, it's been a year, so they're paid for, I told him. There was only silence at the other end of the line, so I finally hung up. He never called back. I bet he felt like an idiot!!!

For most people when you lose your "khakis" you've lost your pants. When you're from Boston & lose your "khakis" you can't start your car.



May 2023

Sequoia Amateur Radio Group



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																								
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It is time for our Annual Pot Luck and Swap Meet. We will hold it at the Valley Estates Community Center, 14213 Allen Ave., Weldon, CA 93283 on Saturday May 13, 2023. The gates open at 10AM and we will eat around 11AM. The club will furnish hot dogs, buns and condiments, as well as bottled water. Attendees are asked to bring a side dish or desert to share. If you wish you may bring your own entrée to grill on the BBQ or use the range/oven at the facility.

For the swap meet feel free to bring anything you would find at a yard sale with the exception of clothing. Try to emphasize electronic equipment and radio gear.

There are a limited number of tables available to display your items. If you have a card table or portable table you may wish to bring it. There are plenty of metal folding chairs, but you might find your folding camping/patio chair more comfortable, especially if it has a side table.

