



The Kern River Voice

The Monthly Newsletter of the Sequoia Amateur Radio Group



Volume 14 Issue 8

August 2019

N6KRV – An ARRL Affiliated Club

PO Box 2446, Lake Isabella CA 93240

<http://www.n6krv.org>



n6krv@n6krv.org

Newsletter Editor – Bill N6TF- editor@n6krv.org

2019 S.A.R.G. Leadership

President

Bill Hesse (661) 867-3203

Vice President / Programs Chr

Robert Bradley KI6TLB (760) 417-3739

Secretary

Skip Reymann N6SR (760) 646-6719

Nancy Reymann K6NJR (760) 646-6720

Treasurer/ Web Master

Mike Higgins KA6IYS (760) 378-1028

Membership Chair

Charles Caudell (760) 223 3929

Board Members

Don Jefferson KC6OCA (760) 379-5084

(also Club Historian & The Raffle Guy)

Jan Robertson N7CCV (760) 223 0762

Newsletter Editor

Bill Hesse editor@n6krv.org

Past President

Skip Reymann N6SR

.....

ARES Net

Monday – 6:45 PM

145.450 (-) PL 156.7

Monday – 7:00 PM

Club Nets

HF Net – Tue / Thu & Sat 8 PM

3.770 MHz

VHF Net – Friday 7PM

145.450 (-) PL 156.7

Prune Juice & BS Net

Daily (exc. Sunday) 9AM

145.450 (-) PL 156.7

SARG Monthly Meetings

2nd Sat. (exc. Dec.) 9:30AM

KRV Elk's Lodge

6708 Wofford Blvd.,

Wofford Heights, CA 93285



The Prez Sez:

So I'm just going to get on my soap box a bit here and point out a person who is a credit to the Club and also the Amateur Radio hobby in general.

Marty Jefferson KC6RIZ is one of those people who is always there but doesn't attract attention to herself. For many years she did a great job as Club Secretary, patiently recording the meetings, taking pictures and communicating on behalf of the Club, sending out get well cards and fielding applications for membership etc...

Marty also has been the glue that binds the ubiquitous " Prune Juice and Baloney Sandwich" net heard every morning (except Sunday) on 2 meters. As part of that responsibility she organizes the monthly luncheons and quarterly breakfasts.

She just does it. Day in, day out...week in week out...she's always there.

“Prez” continued.....

Lately though turnout at the luncheons has been remarkably light. Please make an effort to attend these functions. Marty goes to a lot of trouble to put these things together and having people show up is a treat for her.

And the next time you see Marty tell her “thank you” and give her a big hug. She deserves all that and more.....

-Bill- N6TF-

OUR NEXT MEETING: Our next meeting will be at 09:30 am, Saturday, August 10th at the Elks Lodge in Wofford Heights.

Doors open at 09:00 and the meeting starts at 09:30. Coffee and pastries will be available.

+++++

The Teacher says to the class: Who ever stands up is stupid

Nobody stands up

Teacher: I said who ever stands up is STUPID!

Little Johnny stands up

Teacher: Johnny, do you really think that you are stupid?

Little Johnny: No, I just thought that maybe you are lonely being the only one standing.

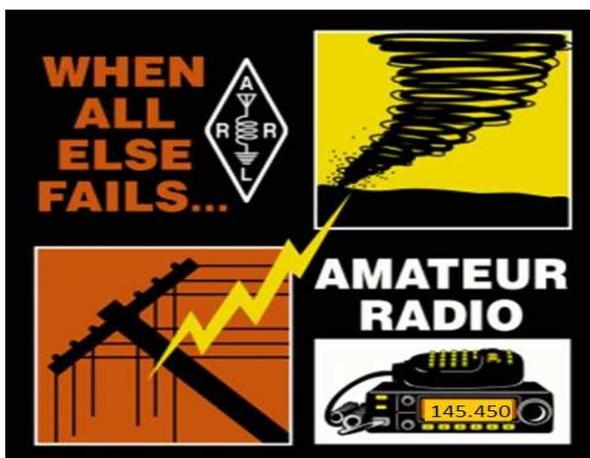
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VE Exams

The club offers exams for new or upgraded licenses after each meeting. Please bring a government issued photo ID (even if we personally know you) and your current license if you have one. Exams are processed by the Greater Los Angeles Amateur Radio Group and the fee is \$5. If you pass your exam and wish to take the exam for the next higher class of license there is no additional charge. If you fail the exam and there is time to take a second exam there is an additional \$5 fee. We can process renewals and address changes for \$2, but we recommend that you do this on the FCC website for free. Effective March 1, 2019 you must have a Federal Reference Number (FRN) before applying to take an exam. If you have any current license for any radio service issued by the FCC, you already have one that must be used. You can apply for yours at

<https://apps.fcc.gov/coresWeb/publicHome.do> if you do not have one. On July 1, 2019 a new question pool will be instituted for the General Class Exam. The club website N6KRV.ORG has all three question pools with the distracters (wrong) answers deleted. There is also a link to the complete question pool with all 4 choices showing. Your FCC approved application Form 605 will ask you if you have ever been convicted of a felony. If you answer yes the FCC will contact you before they process your application. The exam team will not ask for any



"Exams" continued....

explanation and we will process the application the same as if you had answered no. Questions or reservation requests should be directed to mike@n6krv.org. We ask that you notify us at least 24 hours before the meeting if you intend to take an examination so that we can make sure to have enough examiners available after the meeting.

Some upcoming events

Coming up later this year:
Nomination of officers
Election of officers
Annual Christmas party
suggestions are welcome



SICKNESS AND DISTRESS

We have received information about two of our members who recently moved to Oregon. Clarence, KI7SJQ (ex-KJ6MCJ) has shaved his beard and hair in support of his wife's upcoming chemo treatments. Darlene has encountered a relapse of cancer and has just started weekly chemo treatments. Your prayers and kind thoughts are solicited and appreciated.

If you hear of any of our members who aren't feeling so well, please let Skip N6SR or Nancy N6NJR know so they can get a card out to them. Keep those prayers going.....



...this month in History

August 1, 1944 - Anne Frank penned her last entry into her diary. "[I] keep on trying to find a way of becoming what I would like to be, and what I could be, if...there weren't any other people living in the world." Three days later, Anne and her family were arrested and sent to Nazi concentration camps. Anne died at Bergen-Belsen concentration camp on March 15, 1945, at age 15.

Birthday August 4, - Jazz trumpet player Louis Armstrong (1901-1971) was born in New Orleans, Louisiana. Known as "Satchmo," he appeared in many films and is best known for his renditions of *It's a Wonderful World* and *Hello, Dolly*.

August 9, 1974 - Effective at noon, [Richard M. Nixon resigned](#) the presidency as a result of the Watergate scandal. Nixon had appeared on television the night before and [announced his decision](#) to the American people. Facing possible impeachment by Congress, he became the only U.S. President ever to resign.

August 11-16, 1965 - Six days of riots began in the Watts area of Los Angeles, triggered by an incident between a white member of the California Highway Patrol and an African American motorist. Thirty-four deaths were reported and more than 3,000 people were arrested. Damage to property was listed at \$40 million.

August 14, 1945 - V-J Day, commemorating President [Truman's announcement](#) that Japan had surrendered to the Allies.

Birthday August 16 - Israeli leader Menachem Begin (1913-1992) was born in Brest-Litovsk, Poland. He fought for the establishment of a Jewish state in Palestine in the 1940's, serving as the leader of a militant Zionist group. In 1977, he became Prime Minister of Israel, and is best known for signing the 1979 [Camp David Peace Accord](#) between Israel and Egypt with President [Jimmy Carter](#) and President Anwar el Sadat of Egypt.

August 22, 1986 - Deadly fumes from a volcanic eruption under Lake Nios in Cameroon killed more than 1,500 persons.

“History” continued...

August 25, 1985 - *Samantha Smith died in an airplane crash in Maine. In 1982, the 11-year-old American schoolgirl had written a letter to Soviet Russia's leader Yuri Andropov asking, "Why do you want to conquer the whole world, or at least our country?" To her surprise, Andropov replied personally to her and offered an all-expense paid trip to the U.S.S.R. She toured Russia for two weeks amid worldwide publicity and came to symbolize American and Russian hopes for peaceful co-existence.*

Birthday August 28 - German author-philosopher Johann Wolfgang von Goethe (1749-1832) was born in Frankfurt am Main, Germany. He is best known for the dramatic poem *Faust*, completed in 1831.

August 29, 1792 - In one of the worst maritime disasters, 900 men drowned on the British battleship *Royal George*. As the ship was being repaired, a gust of wind allowed water to flood into open gun ports. The ship sank within minutes.

From the ARRL:

So Now What? Podcast

07/25/2019

“Tips on using Coaxial Cable” will be the focus of the new (July 25) episode of the [So Now What?](#) podcast for Amateur Radio newcomers.

If you're a newly licensed Amateur Radio operator, chances are you have lots of questions. This biweekly podcast has answers! *So Now What?* offers insights from those who've been just where you are now. New episodes will be posted every other Thursday, alternating new-episode weeks with the [ARRL The Doctor is In](#) podcast.

So Now What? is sponsored by [LDG Electronics](#), a family owned and operated business with laboratories in southern Maryland that offers a wide array of antenna tuners and other Amateur Radio products.

ARRL Communications Content Producer Michelle Patnode, W3MVP, and ARRL Station Manager Joe Garcia, NJ1Q, co-host the podcast. Presented as a

lively conversation, with Patnode representing newer hams and Garcia the veteran operators, the podcast will explore questions that newer hams may have and the issues that keep participants from staying active in the hobby. Some episodes will feature guests to answer questions on specific topic areas. Listeners can find *So Now What?* on [Apple iTunes](#), [Blubrry](#), [Stitcher](#) (free registration required, or browse the site as a guest) and through the free *Stitcher* app for iOS, Kindle, or Android devices. Episodes will be archived on the ARRL website.

And, once again: our agreement is to “re-print it EXACTLY as published originally” ... We did! So if you noticed any spelling errors, improper spacing, seemingly meaningless statements, punctuation errors, font, etc., etc. It ain't me! (I do all my misspelling, and seemingly meaningless statements elsewhere in this document, and 'apurpose

--- Editor---

Q: What do you call a fish with no eyes?



A: Fsh.

Let me hear from you if you like or don't like what you've seen in this issue of *your* “Kern River Voice”. EDITOR@N6KRV.ORG

Ham Radio Glossary

Editor's note:

Although I have run "Ham Radio Glossary" in past editions and have already covered it all "from A to Z" it is my intention to cover it all again. This is intended as a service to the new "Ham" as well as gentle reminders for the seasoned veteran.

So here we go again, starting with:

A-

Alternating current (ac) -- Electrical current that flows first in one direction in a wire and then in the other. The applied voltage is also changing polarity. This direction reversal continues at a rate that depends on the frequency of the ac.

Amateur operator -- A person holding a written authorization to be the control operator of an amateur station.

Amateur service -- A radiocommunication service for the purpose of self-training, intercommunication and technical investigations carried out by amateurs, that is, duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest.

Amateur station -- A station licensed in the amateur service, including necessary equipment, used for amateur communication.

Ammeter -- A test instrument that measures current

Ampere (A) -- The basic unit of electrical current. Current is a measure of the electron flow through a circuit. If we could count electrons, we would find that if there are 6.24×10^{18} electrons moving past a point in one second, we have a current of one ampere. We abbreviate amperes as amps. (Numbers written as a multiple of some power are expressed in exponential notation, as shown here.)

Amplitude modulation (AM) -- A method of combining an information signal and an RF (radio-frequency) carrier. In double-sideband voice AM transmission, we use the voice information to vary (modulate) the amplitude of an RF carrier. Shortwave broadcast stations use this type of AM,

as do stations in the Standard Broadcast Band (535-1710 kHz). Few amateurs use double-sideband voice AM, but a variation, known as single sideband, is very popular.

Antenna -- A device that picks up or sends out radio frequency energy.

Antenna switch -- A switch used to connect one transmitter, receiver or transceiver to several different antennas.

Antenna tuner -- A device that matches the antenna system input impedance to the transmitter, receiver or transceiver output impedance. Also called an antenna-matching network, impedance-matching network or Transmatch.

Autopatch -- A device that allows repeater users to make telephone calls through a repeater.

Also from the ARRL:

Report: California Earthquakes Disrupted HF Propagation on West Coast

07/08/2019

British Columbia radio amateur Alex Schwarz, VE7DXW, said that an Independence Day magnitude 6.4 earthquake in California's Mojave Desert and multiple aftershocks negatively affected HF propagation on the US west coast. Schwarz, who maintains the "[RF Seismograph](#)" and has drawn a correlation between earthquake activity and HF band conditions, said the radio disruption began at around 1600 UTC on July 4, and continued into July 5. He said that on July 4, the blackout was total except for 20 meters, where conditions were "severely attenuated," Schwarz said. The RF Seismograph also detected the magnitude 7.1 earthquake on July 6 in the same vicinity,

“Earthquakes” continued...

Schwarz reported. The distance between the monitoring station in Vancouver, British Columbia, and that quake’s epicenter is 1,240 miles. “Things are back to normal after the strong quake, as far as the ionosphere is concerned, but the unrest has not stopped yet,” Schwarz told ARRL on July 8. “There were over 7,000 mostly small quakes, and these do not seem to have the energy to affect the ionosphere. We all hope that this will settle down soon.” Schwarz said the RF Seismometer detected a magnitude 6.9 earthquake in Indonesia.

Over the holiday weekend, Schwarz had reported “a massive short-wave radio blackout” on the west coast. “It is not caused by the sun (the sun is quiet), but the field lines of the ‘quakes themselves,” he said. A magnitude 6.2 earthquake took place off Vancouver Island, British Columbia, on July 4.

On July 6, Schwarz said, the RF Seismograph showed an increase in noise on 80 meters some 13 hours beforehand, as well as some propagation changes on 40 and 30 meters — low before the quake and increasing in its wake. Increases in noise on 15 and 10 meters were detected some 10 hours before the earthquake, diminishing about 3 hours afterward. In addition, noise level and propagation changes on 20 meters some 3 hours before the earthquake.

Schwarz said larger quakes spur longer periods of 80-meter noise which cross the day/night boundary. “The difficulty is the 80 meter noise difference between day and night, which is hard to subtract from the graphs,” he added. With earthquakes of lesser magnitude (4.0 to 5.9), the RF Seismograph displays the rise and fall typically within daytime or nighttime propagation, making it more obvious. “The measurement on the other bands is more consistent, and the quake can have

either an amplifying or attenuating effect on propagation,” Schwarz told ARRL.

All of the earthquakes of the past few days occurred within a 4-square-mile area in and around Ridgecrest in Kern County. Several injuries were reported, along with property damage. ARES and the Sierra Amateur Radio Club (SARC) have actively supported communications during the earthquake swarm and magnitude 7.1 quake in and around Ridgecrest, in the Mojave Desert. “Many club members are busy collecting information, running an emergency net, as well as staffing a back-up communication van,” Mike Herr, WA6ARA, told ARRL on July 7.

The RF Seismograph propagation tool employs an omnidirectional multiband antenna to monitor JT65 frequencies (± 10 kHz) on 80, 40, 30, 20, 15, and 10 meters. Recorders monitor the background noise and display the result in six color-coded, long-duration graphs displaying 6 hours of scans. When signals are present on a band, its graph trace starts to resemble a series of vertical bars.

The RF Seismograph recorded the magnitude 7.5 earthquake in Ecuador on February 22. Schwarz [recounted](#) that noise on 15 meters began to be visible about 1 hour before the quake; then, 2 hours after the quake released, 15 meters started to recover. It did not affect 80 meters. “The earthquakes show up as RF noise because of the electric field lines, now scientifically confirmed to change the way the ionosphere reflects RF,” Schwarz said.

Schwarz has cited an article in the October 2018 edition of *Scientific American*, which, he says, explains the phenomenon. (See Erik Vance’s [“Earthquakes in the sky,”](#) *Scientific American*, October 2018, p. 44.)

The *Scientific American* article explores measurements in Japan and how earthquakes can create electric field lines that extend into the

“Earthquakes” continued...

atmosphere. Schwarz said 171 earthquakes — all magnitude 6.0 events or greater — were studied, and only 15 of them had no RF noise associated with them.

RF Seismograph is now a [project](#) on Scistarter.com, facilitated through Arizona State University. Contact [Schwarz](#) for additional information.

The Traffic Stop

An older lady gets pulled over for going 70mph in a 35mph zone ...Older Woman: Is there a problem, Officer?

Officer: Ma'am, you were speeding.

Older Woman: Oh, I see.

Officer: Can I see your license please?

Older Woman: I'd give it to you but I don't have one.

Officer: Don't have one?

Older Woman: Lost it, 4 years ago for drunk driving.

Officer: I see...Can I see your vehicle registration papers please.

Older Woman: I can't do that.

Officer: Why not?

Older Woman: I stole this car.

Officer: Stole it?

Older Woman: Yes, and I killed and hacked up the owner.

Officer: You what?

Older Woman: His body parts are in plastic bags in the trunk if you want to see.

The Officer looks at the woman and slowly backs away to his car and calls for back up. Within minutes 5 police cars circle the car. A senior officer slowly approaches the car, clasping his half drawn gun.

Officer 2: Ma'am, could you step out of your vehicle please! The woman

steps out of her vehicle.

Older woman: Is there a problem sir?

Officer 2: One of my officers told me that you have stolen this car and murdered the owner.

Older Woman: Murdered the owner?

Officer 2: Yes, could you please open the trunk of your car, please.

The woman opens the trunk, revealing nothing but an empty trunk.

Officer 2: Is this your car, ma'am?

Older Woman: Yes, here are the registration papers. The officer is quite stunned.

Officer 2: One of my officers claims that you do not have a drivers license.

The woman digs into her handbag and pulls out a clutch purse and hands it to the officer.

The officer examines the license. He looks quite puzzled.

Officer 2: Thank you ma'am, one of my officers told me you didn't have a

license, that you stole this car, and that you murdered and hacked up the owner.

Older Woman: *Bet the liar told you I was going 70 in a 35, too.*



AUGUST 2019

Serving the Kern River Valley and Walker Basin



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
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