



The Kern River Voice

The Monthly Newsletter of the Sequoia Amateur Radio Group



Volume 14 Issue 9
September 2019



<http://www.n6krv.org>

N6KRV – An ARRL Affiliated Club

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2019 S.A.R.G. Leadership

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Membership Chair

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(also Club Historian & The Raffle Guy)

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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

3.773 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:

Wow! It's September already. The months are flying by like a picket fence. The August meeting is history and it was a good one. A very interesting speaker and plenty of prizes given out.

Marty Jefferson arranged another enjoyable Prune Juice Luncheon, this time at Ewing's. A good time was had by all. I managed to leave wearing part of my Buffalo Chicken Wrap and the "Mikey Award"

How lucky can a guy get?

As we approach year's end we need to be thinking about next year's officers. You might also want to attend meetings if you haven't already been doing so. You might get nominated...just sayin'....

Last month I mentioned the wonderful job Marty has been doing on the Prune Juice net. This month I want to recognize another outstanding contributor.

Prez Sez” continued...

Chuck Caudell KI6GOG is another one of those reliable people who serves well.

Chuck is our “Membership Chair” year after year. He is the first person you see when you enter the meeting and sign in. (you DO sign in don't you?) His ready smile and pleasant greeting is a great way to start a club meeting.

Shake Chuck's hand and say “thank you” the next time you walk into the club meeting room.

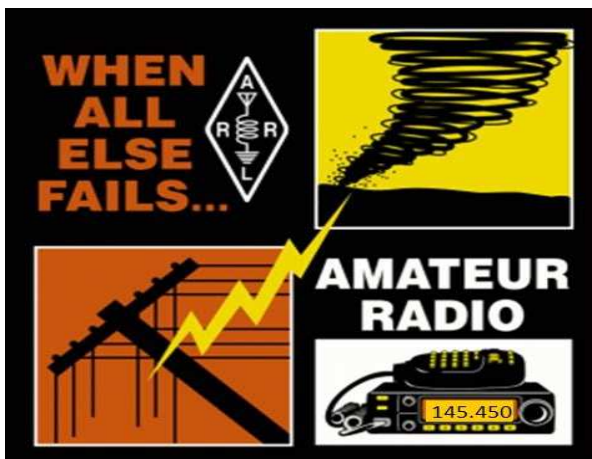
He deserves it. I'll see you there.

-Bill- N6TF-

OUR NEXT MEETING: Our next meeting will be at 09:30 am, Saturday, September 14th 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. Al Price, an outstanding story teller will be giving yet another great presentation.

It helps if you imagine
auto correct as a tiny
little elf in your phone
who's trying so hard
to be helpful but is in
fact quite drunk.



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

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

September 1, 1983 - Korean Air Lines Flight 007 was shot down by a Russian fighter jet while on route from New York to Seoul, killing all 269 persons on board. The Boeing 747 reportedly strayed 100 miles off course over secret Soviet Russian military installations on the Kamchatka Peninsula and Sakhalin Island. It crashed in the Sea of Japan.

September 2, 1752 - The British ended their use of the Julian calendar, switching instead to the Gregorian calendar, resulting in a major adjustment as Wednesday, September 2, was followed by Thursday, September 14. The correction resulted in rioting by people who felt cheated and demanded the missing eleven days back.

September 9, 1776 - The United States came into existence as the Continental Congress changed the name of the new American nation from the United Colonies.

September 14, 1927 - In Nice, France, famed ballet dancer Isadora Duncan was killed in a freak accident as the long scarf she was wearing became caught in the moving wheel of the car in which she was riding, strangling her.

September 19, 1893 - New Zealand became the first country to grant women the right to vote.

September 22, 1862 - [President Abraham Lincoln](#) issued a preliminary Emancipation Proclamation freeing the slaves in territories held by Confederates as of January 1, 1863.

September 24, 1957 - President [Dwight Eisenhower](#) ordered the National Guard to enforce racial integration of schools in Little Rock, Arkansas.

September 29, 1829 - Britain's "bobbies" made their first public appearance. Greater London's Metropolitan Police force was established by an act of Parliament at the request of Home Secretary, Sir Robert Peel, after whom they were nicknamed. The force later became known as Scotland Yard, the site of their first headquarters.

September 30, 1949 - The Berlin Airlift concluded after 277,264 flights carrying over 2 million tons of supplies to the people of West Berlin, who were blockaded by the Soviets.

From the ARRL:

FCC Grants Temporary Waiver Permitting Use of PACTOR 4 for Hurricane Response and Relief

09/02/2019

The FCC has granted ARRL's emergency request for a temporary waiver to permit **only those radio amateurs active and involved in Hurricane Dorian response and relief efforts** to use the PACTOR 4 digital protocol on HF. The waiver is valid through 2100 UTC on Friday, September 6. The waiver request was necessary because Section 97.307(f) of the FCC's Amateur Radio Service rules limits digital data emissions of Amateur stations operating below 28 MHz to a symbol rate not to exceed 300 bauds, and in the 10-meter band (28.0 – 28.3 MHz) to a symbol rate not to exceed 1200 bauds, which precludes PACTOR 4 emissions.

"PACTOR 4 is a data protocol that permits relatively high-speed data transmission in the HF bands, and many amateur stations active in emergency communications preparedness are capable of using this protocol," ARRL told the FCC. The FCC granted a waiver for the use of PACTOR 4 during the 2017 Hurricane Maria relief effort, and more recently in preparing for typhoon relief communications in Hawaii. ARRL told the FCC that the higher-data rates offered by PACTOR 4 are "critical to sending hurricane relief communications, including lists of needed and distributed supplies."

The PACTOR 4 waiver only applies to radio amateurs directly engaged in hurricane relief efforts involving the US mainland. It does not extend to non-emergency communications.

ARRL pointed out that stations involved in Hurricane Dorian response and relief efforts must be able to communicate with one another as well as with federal stations on the five-channels on the 5 MHz band involved with the SHARES network and other interoperability partners on those frequencies, ARRL told the FCC.

FEMA has announced Channel 2 (5348 kHz channel center) of the 60 meter band will be made available, as necessary for digital interoperability between federal government stations and US Amateur Radio stations involved in Hurricane Dorian emergency communications. (Channel 1 will be available for SSB interoperability.)

ARRL noted that its PACTOR 4 waiver request to the FCC was "without prejudice to the resolution of Docket 16-239 which is presently pending and addresses the rule section discussed herein."

ARRL had requested a 30-day waiver, but the FCC said it would entertain requests for an extension of the waiver on an as-needed basis.

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: How does the Man in the Moon cut his hair?



A: Eclipse it!

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.

- [B-](#)

Balun -- Contraction for balanced to unbalanced. A device to couple a balanced load to an unbalanced source, or vice versa.

Band spread--A receiver quality used to describe how far apart stations on different nearby frequencies will seem to be. We usually express band spread as the number of kilohertz that the frequency changes per tuning-knob rotation. Band spread and frequency resolution are related. The amount of band spread determines how easily signals can be tuned.

Band-pass filter -- A circuit that allows signals to go through it only if they are within a certain range of frequencies. It attenuates signals above and below this range.

Bandwidth -- The width of a frequency band outside of which the mean power is attenuated at least 26 dB below the mean power of the total emission, including allowances for transmitter drift or Doppler shift. Bandwidth describes the range of frequencies that a radio transmission occupies.

Battery -- A device that converts chemical energy into electrical energy.

Beacon station -- An amateur station transmitting communications for the purposes of observation of propagation and reception or other related experimental activities.

Beam antenna -- A directional antenna. A beam antenna must be rotated to provide coverage in different directions.

Beat-frequency oscillator (BFO)--A receiver circuit that provides a signal to the detector. The BFO signal mixes with the incoming signal to produce an audio tone for CW reception. A BFO is needed to copy CW and SSB signals.

Block diagram -- A drawing using boxes to represent sections of a complicated device or process. The block diagram shows the connections between sections.

Broadcasting -- Transmissions intended to be received by the general public, either direct or relayed.

Also from the ARRL:

September is National Preparedness Month

09/03/2019

The Federal Emergency Management Agency (FEMA) sponsors [National Preparedness Month](#) each September to promote family and community disaster and emergency planning throughout the year. The 2019 theme is "Prepared, Not Scared." FEMA is a long-time ARRL [partner agency](#). This year, FEMA wants participants — which include Amateur Radio Emergency Service (ARES®) volunteers — to [share](#) their activities and success stories, as well as brief descriptions of their National Preparedness Month plans (include "NPM" in the email subject line).

An appropriate submission would be your ARES team's planned or conducted ARRL Simulated Emergency Test (SET) activity. The SET is designed to assess the skills and preparedness of ARES and other organizations involved with emergency/disaster response, and the 2019 SET is scheduled for the October 5 – 6 weekend.

[Guidelines and specific SET reporting forms](#) for Field Organization leaders are on the ARRL website. Download and send completed forms to [Steve Ewald, WV1X](#), at ARRL Headquarters. See page 71 in the September 2019 issue of *QST* for more information on the 2019 SET.

144 – 146 MHz Removed from French Proposal for Additional Aeronautical Applications

08/30/2019

The 144 – 146 MHz Amateur Radio segment has been removed from a French proposal to study spectrum additional for Aeronautical Mobile Service (AMS) applications. France had included the band, which comprises the entire 2 meter band in ITU Region 1, for consideration as a European Conference of Telecommunications and Postal Administrations (CEPT) position for World Radiocommunication Conference 2019 (WRC-19). Heading into a just-ended CEPT Conference Preparatory Group (CPG) meeting in Turkey this past week, France was holding firm on the proposal to have AMS share 144 – 146 MHz with Amateur Radio. The CPG meeting considered CEPT ECC positions on this and other issues for WRC-19.

The International Amateur Radio Union (IARU) had called the French proposal for 144 – 146 MHz “unsound” and contended that sharing of the current amateur allocation with AMS radio systems would not be possible “without a significant likelihood of mutual interference.”

The French spectrum study proposal would have had to gain approval from at least 10 CEPT countries at the CPG meeting — with not more than 6 opposing — to appear on the agendas of WRC-19 and WRC-23, where a final decision would be made.

Also at the CEPT meeting, at the insistence of the European Commission, a WRC-23 agenda item was considered necessary to address world-wide protection of Regional Navigational Satellite Systems (RNSS) from amateur emissions in the 23 centimeter band, 1240 – 1300 MHz. Delegates agreed to a draft WRC Resolution that stresses the importance of the band to the Amateur Service and explicitly excludes the removal of existing allocations as part of the proposed agenda item. The issue stems from reported incidents of interference to the Galileo GPS E6 signal on 1278.750 MHz.

Other Amateur Radio-related issues addressed at the CEPT CPG included:

- Agreement to a European Common Proposal (ECP) on allocating 50 – 52 MHz to the Amateur Service in Region 1 (Europe, Africa, and the Middle East) on a secondary basis, with a footnote listing those countries where the Amateur Service will have a primary allocation in the band 50 – 50.5 MHz (WRC-19 Agenda Item 1.1).
- Agreement to an ECP on spectrum to be considered for International Mobile Telecommunications (IMT), which does not now include the primary Amateur Radio band at 47 – 47.2 GHz (WRC Agenda Item 1.13).
- Agreement to an ECP that retains the current regulatory position in the 5725 – 5850 MHz band that includes secondary Amateur Radio and Amateur Satellite allocations (WRC Agenda Item 1.16).
- No change to an already agreed upon CEPT position on wireless power transmission (WRC Agenda item 9.1.6). This calls for no change in the *Radio Regulations* to address the question of operating frequency for wireless power transmission for electric vehicle charging (WPT-EV), but leaves open the question of spurious emissions from WPT-EV.

IARU Region 1 President Don Beattie, G3BJ, said that the IARU team at Ankara — the only representatives of the Amateur Service at the meeting — had presented clear and convincing arguments for Amateur Radio positions and that he was pleased that regulators had recognized the strength of the amateur case. He expressed his thanks to everyone who contributed to the outcome at CPG.

CEPT is one of the six regional telecommunications organizations but viewed as the most influential. The issues now move to WRC-19 in Egypt this fall for final resolution. IARU will be represented at the international gathering, which gets under way in late October. — *Thanks to IARU*

The Juggler

A driver was pulled over by a police officer for speeding. As the officer was writing the ticket, he noticed several machetes in the car.

"What are those for?" he asked suspiciously.

"I'm a juggler," the man replied.

"I use those in my act."

"Well, show me," the officer demanded, still a little unsure. So he got out the machetes and started juggling them, first three, then more, finally seven at one time, overhand, underhand, behind the back, putting on a dazzling show and amazing the officer.

Just then another car passed by. The driver did a double take, and said,

"That's it Maude. I've got to give up the drink! Just look at the sobriety test they're giving now!!"

Bird brain

One day a man strolled in to the paint section of a hardware store and walked up to the assistant.

"I'd like a pint of canary colored paint," he says.

"Sure" the clerk replies. "Mind if I ask what it's for?"

"My parakeet," the man said. "See, I want to enter him in a canary contest. He sings so beautifully he is sure to win."

"Well, you can't do that!" the assistant says. "The chemicals in the paint will surely kill the poor thing!"

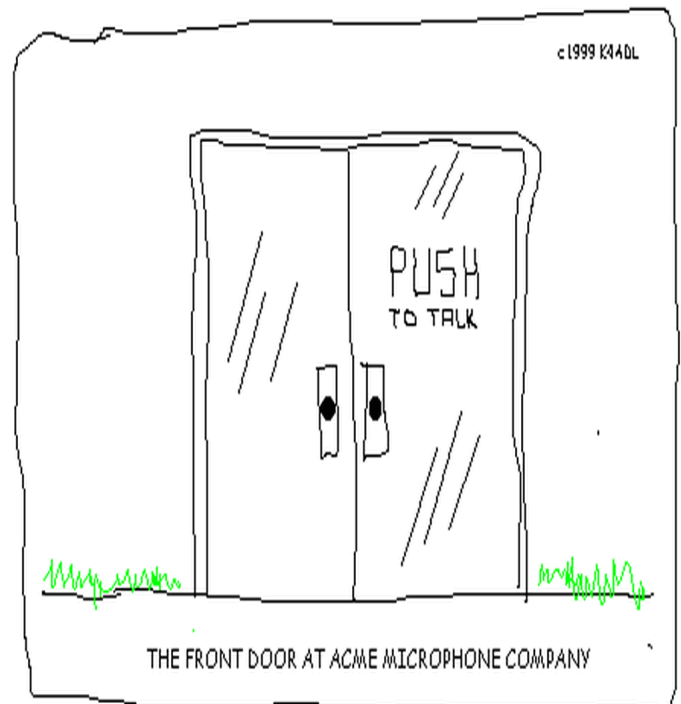
"No they won't," says the customer.

"Listen, buddy, I'll bet you twenty bucks your parakeet dies if you try to paint him."

"You're on" said the customer. Two days later the man walks back in the store and very sheepishly lays \$20 on the counter.

"So the paint killed him?" asked the clerk. "Indirectly," the man said.

"He seemed to handle the paint okay, but I think the sanding between coats did him in."



Cartoon courtesy of : <https://www.qsl.net/k4adl/>



SEPTEMBER 2019

Serving the Kern River Valley and Walker Basin



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