



The Kern River Voice

The Monthly Newsletter of the Sequoia Amateur Radio Group



Volume 16 Issue 7

July 2021

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

2021 S.A.R.G. Leadership

President

Don Jefferson KC6OCA (760) 379-5084
(also Club Historian & The Raffle Guy)

Vice President / Programs Chr

Cheryl Ripley (661) 867 0501

Secretary

Christine Hesse KK6AZQ

Treasurer/ Web Master

Mike Higgins KA6IYS (760) 378-1028

Membership Chair

Christine Hesse KK6AZQ

Board Members

Charles Caudell K16GOG (760) 223 3929

Newsletter Editor

Bill Hesse editor@n6krv.org

Past President

Bill Hesse N6TF

.....

ARES Net

Monday – 6:45 PM
145.450 (-) PL 156.7

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:

Hi folks

Well Field Day has come and gone. Those who went to the mountains had a great time. I stayed home and tried to make my low band rig work. I did make one lone contact that proved it worked but the noise level was so high that I could not make any others. Murphy was stalking us the whole weekend.

Looking forward to the meeting on the tenth. we will have a musical tribute to the armed forces that have made this land of opportunity what it is. There will be doughnuts and door prizes and a drawing for a grand prize and as always lots of friendly conversation.

Hope to see you there.

Don KC6OCA

ARRL:

The K7RA Solar Update

06/25/2021

Tad Cook, K7RA, Seattle, reports: Average daily sunspot number was 14 this reporting week (June 17 – 23), essentially unchanged from last week's 13.9. Average daily solar flux increased from 75.2 to 79.3.

Geomagnetic indicators were quieter. Average planetary A index declined from 9.6 to 5.3, and average middle latitude A index dropped from 9.7 to 6.1.

Predicted solar flux is 82 on June 25 – July 1; then 80 and 78 on July 2 – 3; 75 on July 4 – 7; 78 on July 8 – 11; 75 on July 12 – 16; 78 on July 17 – 22; 75 on July 23 – 25, and 78 on July 26 – 30.

Predicted planetary A index is 5 on June 25 – July 3; 12 on July 4; 5 on July 5 – 8; 8 on July 9 – 10; 5, 15, and 12 on July 11 – 13; 5 on July 14 – 20; 8 on July 21, and 5 on July 22 – 30.

Sunspot Group 2833 is about to rotate over our sun's western horizon, but I see promising activity around and beyond the eastern horizon when viewing the [STEREO mission images](#). Also check the [Solar Monitor](#) site to see this emerging activity.

Note that the 2300 UTC [June 22 solar flux reading](#) from the Dominion Astrophysical Observatory in Canada jumped way up to 104.5. The official solar flux for that day was the noon reading, 80.8 at 2000 UTC.



VE Exams

Volunteer License Exams are available in the Kern River Valley on the third Saturday of each month. They are held at 11AM in the Community Center of Valley Estates, 14213 Allen Avenue, Weldon, CA 93283. They are administered through the Greater Los Angeles Amateur Radio Group (GLAARG.ORG) and the exam cost is \$10.

The FCC has enacted rules that will at some time in the near future add an additional license fee to the exam fee. Details have not been released as to the exact amount and effective date. For details on how to sign up for an exam visit <http://n6krv.org/exam-info/>.

Mike KA6IYS – Lead Examiner

Coming up this year:
Annual Christmas party December 11th



SICKNESS AND DISTRESS

If you hear of any of our members who aren't feeling so well, please let Christine Hesse KK6AZQ know so she can get a card out to them. Keep those prayers going.....

This month in History

July 2, 1788 - Congress announced the [United States Constitution](#) had been ratified by the required nine states and that a committee had been appointed to make preparations for the new American government.

July 4, 1882 - The "Last Great Buffalo Hunt" began on Indian reservation lands near Hettinger, North Dakota as 2,000 Teton Sioux Indians in full hunting regalia killed about 5,000 buffalo. By this time, most of the estimated 60-75 million buffalo in America had been killed by white hunters who usually took the hides and left the meat to rot. By 1883, the last of the free-ranging buffalo were gone.

July 9, 1868 - The 14th [Amendment](#) to the U.S. Constitution was ratified. The Amendment defined U.S. citizenship and prohibited individual States from abridging the rights of any American citizen without due process and equal protection under the law. The Amendment also barred individuals involved in rebellion against the U.S. from holding public office.

July 14, Birthday - American folk singer and social activist Woody Guthrie (1912-1967) was born in Okemah, Oklahoma. Best known for [This Land Is Your Land](#), [Union Maid](#), and [Hard Traveling](#).

July 16, Birthday - Norwegian explorer Roald Amundsen (1872-1928) was born near Oslo. He was the first to sail from the Atlantic to the Pacific Ocean via the Northwest Passage. He discovered the South Pole in 1911 and flew over the North Pole in a dirigible in 1926. In June 1928, he flew from Norway to rescue survivors of an Italian Arctic expedition, but his plane vanished.

July 18, Birthday - American politician Samuel Hayakawa (1906-1992) was born in Vancouver, British Columbia. He is remembered as the college president who climbed atop a sound truck at San Francisco State College in 1968 during student protests, then disconnected the wires thus silencing the demonstrators. This made him popular among conservatives including California Gov. Ronald Reagan. Hayakawa became a Republican and was elected in 1976 to the U.S. Senate, serving just one term. In 1986, he led the successful California initiative to declare English the state's official language.

July 24, 1943 - During [World War II in Europe](#), the Royal Air Force conducted Operation Gomorrah, raiding Hamburg, while tossing bales of aluminum foil strips overboard to cause German radar screens to see a blizzard of false echoes. As a result, only twelve of 791 Allied bombers involved were shot down.

July 31, 1790 - The U.S. Patent Office first opened its doors. The first U.S. patent was issued to Samuel Hopkins of Vermont for a new method of making pearl ash and potash. The patent was signed by [George Washington](#) and [Thomas Jefferson](#).

OUR NEXT MEETING: Our next meeting will be at 09:00 am, Saturday, July the 10th at the Elk's Lodge in Wofford Heights. Doors open at 9AM. Meeting starts at 9:30 AM.

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



RF Exposure and Your Station

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 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 and 2 sites that the ARRL recommends for using in calculating the exposure:

<http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RFXFAQJune15.pdf><http://www.lakewashingtonhamclub.org/resources/rf-exposure-calculator/>

http://hintlink.com/power_density.htm

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.

Submitted by Mike Higgins KA6IYS

A Homeless Man's Funeral

As a bagpiper, I play many gigs. Recently I was asked by a funeral director to play at a graveside service for a homeless man. He had no family or friends, so the service was to be at a pauper's cemetery in the Kentucky back country.

As I was not familiar with the backwoods, I got lost and, being a typical man, I didn't stop for directions.

I finally arrived an hour late and saw the funeral guy had evidently gone and the hearse was nowhere in sight. There were only the diggers and crew left and they were eating lunch.

I felt badly and apologized to the men for being late. I went to the side of the grave and looked down and the vault lid was already in place. I didn't know what else to do, so I started to play.

The workers put down their lunches and began to gather around. I played out my heart and soul for this man with no family and friends.

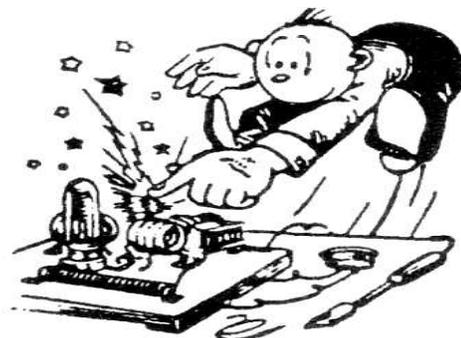
I played like I've never played before for this homeless man.

And as I played 'Amazing Grace,' the workers began to weep. They wept, I wept, we all wept together. When I finished I packed up my bagpipes and started for my car. Though my head hung low, my heart was full.

As I opened the door to my car, I heard one of the workers say, "I never seen nothin' like that before and I've been putting in septic tanks for twenty years."

Apparently I'm still lost...it's a man thing.

Why are all of Superman's costumes tight?



They're all size S

Also from the ARRL:

ARRL Announces Partnership with Maglite

06/21/2021

ARRL The National Association for Amateur Radio® and [Mag Instrument](#), the US manufacturer of the MAGLITE® Flashlight have announced they have formed a partnership based on common interests in equipping people to be prepared for emergencies and to serve their communities in extreme situations such as natural disasters. ARRL members expand the reservoir of trained operators and technicians in radio communications and radio technology, and provide public service through the ARRL Amateur Radio Emergency Service® (ARES®). Maglite is the leading maker of U.S.-manufactured high-quality flashlights that have a deserved reputation for toughness and durability.

“Amateur radio operators, or ‘hams,’ help people in times of difficulty, often by supporting emergency communications when critical infrastructure is damaged, and by aiding first responders’ need to keep connected,” said Anthony Maglica, Founder, Owner and CEO of MAG Instrument Inc. “We manufacture a product that has been used in public safety for over 40 years, and we are very supportive of the incredible dedication of radio amateurs, so culturally this is a great alliance for both brands.”

“ARRL is delighted that Maglite recognizes the service and skill of ARRL members. This partnership will help us introduce amateur radio to more people,” said David Minster, NA2AA, ARRL CEO. Mag Instrument is creating a special laser-engraved Maglite® product [collection](#) for ARRL, as well as

offering their members special pricing on a select line of Maglite gear. In turn, those purchases raise funds to support ARRL’s mission. Members can find details at www.arrl.org/benefits and by clicking “Member Discounts” in the left-hand navigation on that page.

Maglite is also promoting a special giveaway in recognition of 2021 ARRL Field Day (no purchase is necessary). Visit Maglite on the web for entry details and Terms and Conditions at <https://maglite.com/pages/the-maglite-arrl-2021-field-day-giveaway>.

ARRL, headquartered in Newington, Connecticut, counts the majority of active radio amateurs in the US among its ranks. Since its founding in 1914, ARRL and its members have advanced the art, science, and enjoyment of Amateur Radio.

FCC Reaffirms Nearly \$3 Million Fine for Marketing Unauthorized Drone Transmitters 06/30/2021

In a *Memorandum Opinion and Order* ([MO&O](#)) released June 17, the FCC denied a *Petition for Reconsideration* filed by HobbyKing of a \$2,861,128 fine for marketing noncompliant RF equipment and for failing to respond to FCC orders in its investigation of the company’s practices. In the same step, the FCC enforced its equipment marketing rules. The fine resulted from an FCC investigation initiated by ARRL’s January [2017 complaint](#) that the HobbyKing equipment was “blatantly illegal at multiple levels.”

“The *Forfeiture Order* is the final chapter of a story that started with a report to the ARRL Board by the EMC Committee in 2017, as a result of the discovery that aerial drone TV transmitting equipment was being imported and marketed without proper FCC authorization under FCC Part 15 rules,” said ARRL Electromagnetic Compatibility Committee Chair Kermit Carlson, W9XA. As spelled out in ARRL’s 2017 complaint, the ARRL Laboratory

3 Million Dollar Fine continued....

had documented that the operating frequencies of these drone TV transmitters near the 1.3 GHz amateur band were dip-switch selectable for frequencies internationally assigned for use by Aeronautical Navigation, GPS, GLONASS L1, ATC Mode "S," as well as to both the interrogation and reply frequencies used for Air Traffic Control Air-Route Surveillance "transponder" radar systems. "Transmissions from these drone TV transmitters would have caused harmful interference to these essential Navigation and ATC Radar systems, presenting a real and dangerous threat to the safety of flight," Carlson said.

ARRL's complaint noted that given the channel configuration, these units would not have a legitimate amateur radio use, and that the marketing was directed at drone enthusiasts and not to licensed radio amateurs. "ARRL Laboratory tests did prove that only one of the seven available channels was within the 1.3 GHz amateur band," Carlson said.

"This is another example of ARRL not only affirmatively acting to protect our Members' interests, but also acting to protect the safety and security of vital services and the general public," Carlson said.

HobbyKing had denied that it was marketing its drone transmitters to US customers, but as the ARRL January 2017 complaint pointed out, ARRL Laboratory Manager Ed Hare, W1RFI, was able to purchase two drone transmitters from HobbyKing and have them shipped to a US address for testing in the Lab.

Hare and ARRL Lab staffers Mike Gruber, W1MG, and Bob Allison, WB1GCM, tested the units. Carlson, as well as the Electromagnetic Compatibility Committee he chairs, were credited in the complaint for calling attention to the issue and prompting ARRL's action.

"The FCC noted that Amateur Radio equipment used to telecommand model craft are limited to 1 W (1,000 mW), but three transmitters included in the FCC investigation operated at significantly higher power levels of 1,500 mW and 2,000 mW," ARRL said.

HobbyKing had told the FCC that it had no notice of the Commission's authorization requirements; that the Fifth Amendment relieved HobbyKing of its duty to respond; that the forfeiture amount was inappropriate because its parent company, Indubitably, Inc., lacked the ability to pay to the *Forfeiture Order*; and that the Commission was time-barred from taking action against ABC Fulfillment Services LLC because it was not part of HobbyKing's business.

"Upon review of HobbyKing's *Petition for Reconsideration* and the entire record, we find no basis for reconsideration because the petition fails to present new information warranting reconsideration," the FCC said in the *MO&O*. "Rather, HobbyKing again raises the very same arguments already considered and rejected in the *Forfeiture Order*."

The fine reaffirms the monetary penalty sought in a June 2018 FCC *Notice of Apparent Liability* ([NAL](#)). The FCC said it found that dozens of devices marketed by the company transmitted in unauthorized radio frequency bands and, in some cases, operated at excessive power levels.

HobbyKing is the trade name of two US-based companies that include ABC Fulfillment Services LLC and Indubitably, Inc. HobbyKing has a New York office and customer service operations in the US, the FCC noted.

In its earlier *Forfeiture Order*, the FCC said it had made clear that "[d]evices used in the Amateur Radio Service do not require authorization prior to being imported into the United States, but "if such equipment can operate in amateur and non-amateur frequencies, it must be certified prior to marketing and operation." The FCC investigation found that 65 models of devices marketed by HobbyKing did not have the required FCC certification.

"HobbyKing has a continuing obligation to market only radio frequency equipment that is properly authorized," the FCC said. "We therefore remind HobbyKing that continuing to market noncompliant radio frequency devices could result in further significant forfeitures."

Humor.....

Most everyone has heard of the famous political figure Karl Marx.

Sadly his sister Anya hasn't received the attention she deserves for inventing the starting pistol..

Pass the Plate

One Sunday a pastor asked his congregation to consider giving a little extra in the offering plate. He said that whoever gave the most would be able to pick out three hymns. After the offering plates were passed, the pastor glanced down and noticed that someone had contributed a \$1,000 bill. He was so excited that he immediately shared his joy with his congregation, and said he'd like to personally thank the person who had placed the money in the plate.

A very quiet, elderly, saintly widow shyly raised her hand. The pastor asked her to come to the front. Slowly she made her way to the pastor. He told her how wonderful it was that she gave so much and asked her to pick out three hymns.

Her eyes brightened as she looked over the congregation, pointed to the three most handsome men in the building and said, "I'll take him, him, and him."

Red sky at night, shepherd's delight. Blue sky at night, day.

Mom's Lessons:

Logic: "If you fall off that swing and break your neck, you can't go to the store with me."

Humor: "When that lawn mower cuts off your toes, don't come running to me."

Justice: "One day you'll have kids, and I hope they turn out just like you. Then you'll see what it's like!"

"Whoever named it necking is a poor judge of anatomy".

Groucho Marx

Never criticize someone until you've walked a mile in their shoes. That way, when you criticize them, they won't be able to hear you from that far away. Plus, you'll have their shoes.

Does it disturb anyone else that "The Los Angeles Angels" baseball team translates directly to "The The Angels Angels"? Neil DeGrasse Tyson

"How come you never see a headline like "Psychic Wins Lottery"? Jay Leno





JULY 2021

Serving the Kern River Valley and Walker Basin



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
<p>June 2021</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td></td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr> </table> <p>August 2021</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr> </table>				S	M	T	W	T	F	S		1	2	3	4	5		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					1	2	3
S	M	T	W	T	F	S																																																																																				
	1	2	3	4	5																																																																																					
6	7	8	9	10	11	12																																																																																				
13	14	15	16	17	18	19																																																																																				
20	21	22	23	24	25	26																																																																																				
27	28	29	30																																																																																							
S	M	T	W	T	F	S																																																																																				
1	2	3	4	5	6	7																																																																																				
8	9	10	11	12	13	14																																																																																				
15	16	17	18	19	20	21																																																																																				
22	23	24	25	26	27	28																																																																																				
29	30	31																																																																																								
				9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450 7:00 PM SARG Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz																																																																																				
4	5	6	7	8	9	10																																																																																				
	6:45 PM EmComm Net 145.450 9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450 7:00 PM SARG Net 145.450	8:00 PM HF Net +/- 3.770.0MHz 9:30 AM SARG meeting																																																																																				
11	12	13	14	15	16	17																																																																																				
	6:45 PM EmComm Net 145.450 9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450 7:00 PM SARG Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz																																																																																				
18	19	20	21	22	23	24																																																																																				
	6:45 PM EmComm Net 145.450 9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450 7:00 PM SARG Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz																																																																																				
25	26	27	28	29	30	31																																																																																				
	6:45 PM EmComm Net 145.450 9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz	9:00 AM Prune Juice Net 145.450 7:00 PM SARG Net 145.450	9:00 AM Prune Juice Net 145.450 8:00 PM HF Net +/- 3.770.0MHz																																																																																				