

KERN COUNTY – CENTRAL VALLEY AMATEUR RADIO CLUB W6LXE

November 2022

NOVEMBER COMMUNICATOR

The Communicator newsletter editor is Larry Bragg-N7LWB
assisted by Rick Simmons-KN6NOC and Dave & Reba Peterson-KM6PJE

Congratulations

The following people passed their amateur radio license on November 11:

- Randy Loos – Technician
- David Crane-KN6VVE – General
- Becky Zobel - Technician
- Dave Peterson-KM6PJE – Extra

Thank you Rock Harbor Church for the use of the room for the VE exams. And a big thank you to the VE's: Larry-KM6OQI, Don-KG6H, and Larry-KF6JOQ



Congratulations to Larry Callahan-KF6JOQ getting a clean sweep on the 'On the Air Route 66' event this year.

**There will be no November meeting.
However, our Christmas dinner and
Installation of Officers is on Saturday,
December 3rd.**



KCCVARC

Annual Holiday Dinner and
Installation of Officers
Potluck Dinner 6:30pm
Dec. 3, 2022
Veterans Hall
2101 Ridge Rd. at Mt. Vernon

Side dishes or desserts needed!
Club furnishes Turkey & Ham
with all the trimmings!

Bring canned goods for donation!
2 cans = 1 drawing ticket
4 or more cans = 2 tickets

Come early, 5:30 to help set-up

\$750 in Prizes

Tickets \$1.00 or 6 for \$5.00
Dues can be paid at this time but we
must have an application filled out!



Club Officers & Directors

President: Larry Callahan-KF6JOQ
1st VP: Dustin Carpenter-KC0AZW
2nd VP: Larry Bragg-N7LWB
Secretary: Scott Royer-KM6RLD
Treasurer: John Stumm-KG6ZBN

Director: Paul Ball-KN6FVI
Director: Glen Del Tour-WB8DTJ
Director: Steve Holmes-KM6POI
Net Chief: Neal Janzen-N6YGG

Thank you to the following for helping to make the Spooktacular Event successful this year.

- Jerry-KB7BX
- Sandi-KE6KJA
- Richard-KD6IMM



- Steve-KM6POI
- Dustin-KC0AZW
- Larry-KF6JOQ



Letter From Kelly Ackford <kellyack@studymap.org>

Good evening Mr. Callahan, Mr. Royer and Mr. Wells,

I would just like to say a quick word of thanks! As a youth services librarian running a fun radio and broadcasting history class for 10-14 year old's, I've been able to get some great use out of your Amateur Radio Club's resource links lists during these times of remote learning. We were even able to use some of this information for our most recent group project! Thanks so much for sharing!

I hope you don't mind, one of our youngest, Dylan has also asked me if I could share an article that he and his father found together recently on The History of the Car Radio with you, which includes a great timeline featuring the large-scale radio broadcasting boom of the 1920's, the invention of the first radio for military purposes, the form and function of early car radios, etc. I've included it below if you'd like to review!

We noticed you didn't have this one listed yet, but Dylan was actually the one to bring up that this could be something you might like to include for others who may also come across your information and have an interest in radio history.

If you find you're able to use this one, would you please let me know? We're meeting tomorrow and I would absolutely love to surprise Dylan if you are able to do so - I'm hoping to keep spirits up in light of the past few year's events and I think it would make him proud to know he was able to 'pay it forward' on a topic he's passionate about (we're big on this principle in our group) and maybe even show his father their contribution if it ends up being included. w6lie.org/links2.html

Thanks again for all your help here,
Kelly Ackford

<https://www.titlemax.com/articles/the-history-of-the-car-radio/>

A bit of history from Neal Janzen – N6YGG KCCVARC Historian

KERN COUNTY CENTRAL VALLEY AMATEUR RADIO CLUB INC.

FROM "THE STORY OF BIG CREEK"

by D. H. Redinger

Florence Lake Development

RADIO COMMUNICATIONS 1920's

One of the most important factors of any construction job is a means of quick and dependable communications. We realized the uncertainty of reliable service from a telephone line over Kaiser Pass and besides, maintenance would be expensive. Previously, the Edison Company had used satisfactorily a telegraph circuit between Los Angeles and the Kern River No. 3 project. A similar hook-up had already been made between Los Angeles and Big Creek.

It was decided to make some tests in the Big Creek area as to the practicability of radio-telegraph for the upper camps. The late Messrs. Roy Ashbrook and Ralph Henry were encouraged sufficiently by the tests to proceed with the installation of such communication between Big Creek and all the upper camps to be established. Ashbrook was furnished a small, pine, slab-covered structure about eight by ten feet, from which he made the necessary tests at the Big Creek end.

With the telephone and telegraph circuits to Los Angeles, supplemented by the radio, communication traffic was seen as a major item of the construction program; consequently, we constructed a special building here at headquarters to accommodate the facilities and the operators, there being three shifts - telephone and radio - on duty during the heavy construction years.

Radio operations really started in November, 1920. Enroute to Camp 61 on foot early in 1922, I heard my first radio broadcast. While laying on a cot in the attic of Camp 61-C's log cabin overnight, I listened with headphones to an alumni address by Dr. Suzzalo, the President of the University of Washington. In those years, the Camp 61-C radio station was reported to be the highest in the world.

Knowing my interest in radio, Operator "Red" Fordham would always hand me items of interest whenever I stopped at his station. I recall several messages passing between Ashbrook and Henry, in which Ashbrook was trying to locate his "Church Warden". As I was not familiar with the name, and since there were no churches in the vicinity, my sense of curiosity was aroused - hence, my message, "What is all this church warden stuff?" Had I recalled James Whitcome Riley's "That Old Sweet-heart of Mine," I would have known it was also Ashbrook's favorite smoking tobacco.

The communication traffic flourished, especially via radio and the telegraph circuits. Our reports indicated that for the month of November, 1923, more than a half-million words were handled. By that time the service had been extended to Camp 63 at Florence Lake.

A letter was received from a man in Idaho. Being an amateur, he had been picking up some of our messages and was concerned about a special type of bolt a camp formen was having trouble locating. He offered to send one he happened to have.

The operators at Big Creek Headquarters were discussing the possibility of reaching the Redingers who were in Japan on a trip in the Orient. They decided to try, and their message, picked up by an amateur in Shanghai, was received by mail at Kobe. The \$10.00 for the three word acknowledgement by cable was considered well spent.



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"TEST YOUR KNOWLEDGE."

BY ... ALEX — WB6ZWG

HOPEFULLY, YOU ARE FAMILIAR WITH EACH RADIO RELATED TERM PRESENTED BELOW. IF IT'S YOUR DESIRE TO BE AMONG THE 100% GROUP, YOU MUST NOT BE DECEIVED BY ERRONEOUS DEFINITIONS. REPLACE ANY DOUBT WITH KNOWLEDGE TO ASSIST IN UPGRADING YOUR LICENSE. SELECT THE CHOICE THAT RELATES TO EACH KEY WORD.

The correct answers may be found on page 14 in this Communicator.

1. **POTENTIOMETER** A: DIGITAL METER FOR MEASURING AC VOLTAGE. B: USED TO ADJUST AUDIO LEVEL. C: USED TO PROTECT AGAINST LIGHTNING STRIKES.
2. **RECTIFIERS** A: ALLOWS CHOICE OF CODE OR VOICE. B: PROVIDES AUTOPATCH BY REPEATER / TELEPHONE LINK. C: CONTROLS DIRECTION OF CURRENT FLOW.
3. **RHOMBIC** A: WORLD WAR II, GERMAN UNDERGROUND RADIO. B: CLASSIC TRIPLE CONVERSION RECEIVER. C: BIDIRECTIONAL ANTENNA CONFIGURATION.
4. **CRYSTAL** A: INSURES PRECISE FREQUENCY. B: SHIELDS PROTON GENERATOR RADIATION. C: USED IN TUBE ENVELOPE CONSTRUCTION.
5. **VERNIAR CONTROL** A: SEPARATES UPPER AND LOWER SIDEBAND. B: INFLUENCES ROTATION RATIO. C: REGULATES PRINTED CIRCUIT COMPONENT VOLTAGE.
6. **P N P** A: ACRONYM FOR PENTODE NEUTRALIZING PROCESS. B: POLAR NEUTRON PROCEDURE. C: COMMON COMPONENT IN SOLID STATE CIRCUITS.
7. **CAPACITOR** A: A SCANNERS MEMORY SYSTEM CAPACITY. B: SELECTS A CAPURE AREA OF VERTICAL ANTENNAS. C: STORAGE DEVICE FOR ELECTRON CHARGE.
8. **HARMONIC** A: WIND-REED DEVISE TO CREATE TONES. B: EXACT MULTIPLE OF A FUNDAMENTAL FREQUENCY. C: DOPPLER EFFECT ECHO.
9. **INDUCTION** A: MICROPHONE FEEDBACK DISTORTION. B: AN ALIGNMENT SIGNAL INJECTION. C: EFFECT OF ELECTROMAGNETIC LINES OF FORCE ON A COIL.
10. **OHMS** A: OPPRESSED HARMONIC MAGNETIC SIGNALS. B: CURRENT REDUCTION THROUGH HEAT DISSIPATION. C: OPTIONAL HARMONIC MEMORY SYSTEM.
11. **INTEGRATED CIRCUIT** A: NECESSARY FOR MULTI-BAND OPERATION. B: SUITABLE FOR EXTREME VOLTAGE RANGE. C: COMPONENTS AND CONDUCTORS IN SINGLE UNIT.
12. **CONDUCTANCE** A: TRANSMISSION OF MUSIC BY RADIO. B: THE RECIPROCAL OF RESISTANCE. C: RATIO OF WIRE SIZE TO CURRENT PLUS VOLTAGE.



Amateur Radio Links of Interest

ARRL License search

<http://www.arrl.org/advanced-call-sign-search>

QRZ License Search

<https://www.qrz.com/>

Yaesu System Fusion information

<http://systemfusion.yaesu.com/what-is-system-fusion/>

Using FT8 and searching for FT8

https://www.google.com/search?q=ft8+ham+radio&rlz=1C1UEAD_enUS961US962&oq=ft8&aqs=chrome.3.0i433i512j46i131i433i512i613j0i512l2j46i512i613l2j0i512j46i512i613j0i512l2.6037j1j7&sourceid=chrome&ie=UTF-8

Ham Radio Outlet

<https://www.hamradio.com/>

Gigiparts Amateur Radio

<https://www.gigaparts.com/>

Setting up DMR and analog transceivers

<https://www.bridgecomsystems.com/>



And here are the answers....

ANSWERS TO "TEST YOUR KNOWLEDGE."		
1. B:	5. B:	9. C:
2. C:	6. C:	10. B:
3. C:	7. C:	11. C:
4. A:	8. B:	12. B: