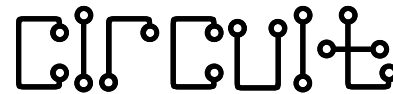


The El Dorado County



Newsletter of the El Dorado County Amateur Radio Club

December 2018, Vol.12, No. 12

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Holiday Dinner

Sunday

December

9th

5-8 PM

6491 Pony Express Trail

Pollock Pines

YOU MUST RSVP!

Submitting Material to the Circuit

Material may be submitted for publication by sending it directly to the editor. This can be done by US Mail, or via the Internet (preferred). The deadline for each issue is the **Thursday**, one week before the monthly meeting.

by mail
Bob Hess, W1RH
5020 Glory View Drive
Placerville, CA
95667

FROM THE PRESIDENT

This will be the last article for the year and I hope 2018 has been a good year for you.

The Amateur Radio community has been very busy in 2018. The new FT8 digital mode has created an explosion of activity in the data sub-bands allowing many to make DX contacts with limited stations and poor band conditions. Several specialized groups collecting contacts such as Summits on the Air (SOTA), Parks on the Air (POTA) and Grid Chasers have also increased band activity. Many have discovered the digital voice modes on 2m and 70cm bands that allow Hams to talk across continents or to large groups beyond the range of their local repeater with a simple handheld transceiver. A few DXpeditions created some DX excitement in the Fall. Finally, our ARES and RACES groups have been busy providing communications during the many disasters our country faced this year. This tells me that Amateur Radio is still relevant and growing and you are all part of it. Congratulations on doing your part to keep the hobby growing.

The club has one more activity this year, our holiday dinner on Sunday, December 9th. It looks like there might be some rain in Pollock Pines on Sunday, but we should be below the snow level. Then in January we will have our regular meeting on the 24th and the Coloma Gold Discovery Special Event Station on January 26th and 27th. More information will be provided soon for the special event station. The board has already started looking for club activity ideas for early 2019, so stay tuned in!

From my family to yours, I'm wishing you a Merry Christmas and a Happy New Year!

73,

Jay, KE6GLA

THE AG6AU REPEATERS

YOUR DONATION TO THE REPEATER FUND WILL KEEP US COMMUNICATING!!
IRLP Node 7195 and the AG6AU-R Echolink 668182 node are available for use on the 440 and 2 meter repeaters. Autopatch available on the 6M repeater

BAND	FREQUENCY	PL
6 Meters	52.78 MHz	107.2 Hz
2 Meters (wide area)	147.825 MHz	82.5 Hz
1.25 Meters	224.06 MHz	127.3 Hz
70 Centimeters	441.725 MHz	82.5 Hz
33 Centimeters	927.2375 MHz	127.3 Hz
33 Centimeters	927.2750 MHz	127.3 Hz

ITEMS FOR SALE

- Heath Kit linear amplifier SB-200 80/40/20/15/10 meters \$400.00
- Heath Kit power/SWR meter \$45.00
- MFJ-214 tone (cw generator) for tuning amp \$45.00
- Motorola MTX 9250 Handheld with charger \$45.00 (need programing cable and software for 900 Mhz)

Contact: **DON BROOKS KG6YST**
530 902-2198

- Pro-Am Portable Antenna (turns 5 ham sticks into dipoles). Includes 40 & 75 meter antennas, mast, and carrying case. (\$200)
- AEA Antenna Analyzer (\$250)
- Heil Gold ICM Microphone w/HB-1 Boom (beautiful for a base station) (\$100)

Contact: **BOB HESS W1RH (W6HFM Estate)**
w1rh@yahoo.com

REPEATER TIDBITS

Bob, W1RH

Here's a few codes you might want to jot down:

2#111—Punch in this code on 2 meters and the repeater will respond, "RADIO CHECK READY" Key your microphone, say a few words, release the mic, and hear your signal as it is recorded at the repeater.

4#111—Punch in this code on the 440 repeater and the repeater will respond, "RADIO CHECK READY" Key your microphone, say a few words, release the mic, and hear your signal as it is recorded at the repeater.

6#111—Punch in this code on 6 meters and the repeater will respond, "RADIO CHECK READY" Key your microphone, say a few words, release the mic, and hear your signal as it is recorded at the repeater.

2#112—Will play back the date and time on 2 meters.

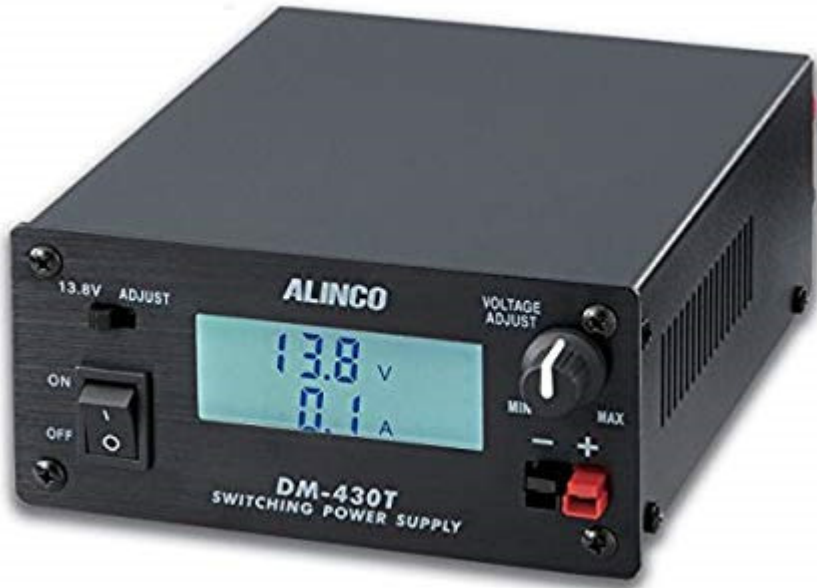
4#112—Will play back the date and time on 440.

6#112—Will play back the date and time on 6 meters.

61291—Enter this code on 6 meters to link 6 meters to 2/440

61292—Enter this code on 6 meters to un-link 6 meters from 2/440

HOLIDAY DINNER DOOR PRIZES



EL DORADO COUNTY AMATEUR RADIO CLUB – MONTHLY MEETING MINUTES

Aaron, W6CK

Date: 15 November 2018

Place: Federated Church – Placerville CA

In attendance: [x] Jay Harmor, President, KE6GLA
[x] Jordan Heichman, Vice President, WC6J
[x] Nancy Harmor, Treasurer, KG6PNP
[x] Aaron Tassin, Secretary, W6CK
[x] Dave Sanders, Board Member, K6TQ
[x] Don McCallum, Board Member, AF6ND
[x] Michael Picco, Board Member, K6MLE
[x] Phil Mosbacher, Board Member, KK6YYD
[..] Don Brooks, Board Member, KG6YST

Board Meeting:

Board meeting was called to order by Club President Jay Harmor at 1830 hours.
The Board Meeting minutes from the last meeting were approved.

Old Business:

Discovery of Gold event set for 26th and 27th January 2019. Event is published in the QST; application pending.

Holiday Party. Please check the club website (EDCARC.net) for details. New date is 9 December 2018.

New Business:

ARES trailer tires in need of replacement. These will be paid for from the Repeater Fund.

New member, Alan Lubanes, KM6VPJ, approved. Welcome to our club!

New Coffee Pot put into service at this meeting. Paid for by coffee can donations. Thank you Don – AF6ND, for making all the arrangements.

Treasurer's Report:

Nancy reported our savings account at El Dorado Savings has a balance of \$497.14; there are a few deposits pending.

General Meeting:

Meeting called to order about 1915 hours by Club President Jay Harmor.

Pledge of Allegiance to the American flag lead by Club President Jay Harmor.

Club Elections: Nominations were accepted and selections made as follows:

Jay Harmor – President

Jordan Heichaman – Vice President

Nancy Harmor – Treasurer

Aaron Tassin – Secretary

Dave Sanders – Broad Member

Don McCallun – Broad Member

Michael Picco – Broad Member

Phil Mosbacher – Broad Member

Sue Mosbacher – Board Member (Welcome Sue to the Board!)

Bob Leclerc – Board Member (Welcome Bob to the Board!)

Meeting Presentations:

Jordan WC6J and Phil KK6YYD gave presentations relating to Summits of the Air (SOTA) activations. Jordan discussed SOTA Watch2 and modes used in this aspect of the hobby. Summit activations are done in CW, Phone, and Digital. See the website www.sotawatch.org for details. Jordan also demonstrated a home brew portable 20 meter antenna he built. Phil gave a presentation on Satellite Beacons, comparing the Spot “Messenger” device and the Garmin “In-Reach Explorer +”. These devices make SOTA outings much safer for the operator and aid in spotting activated summits.

Raffle tickets were sold and raffle prizes awarded to lucky members of the general meeting.

General meeting adjourned about 2100 hours.

Minutes taken by: Aaron Tassin, W6CK

TUBE OF THE MONTH
Norm, N6JV
Visit the Museum: n6jv.com

The 3-1000A/H

The 4-1000A has been around since the late 1940's. It was a very popular tube for FM broadcasting and many transmitters and industrial heating units. With large numbers of "time pulls" available to hams, the 4-1000A was a common final in many DX/contest stations. Having a "California kilowatt" wasn't enough for several low banders and the "Nevada kilowatt" with a pair of 4-1000A was not uncommon. The 4-1000A could be wired as a triode, but needed extra drive.

Prices for the used tubes were low and few



hams bought new tubes. In 1974, the list price was \$135. The popularity of the zero bias 3-500Z prompted EIMAC to make a giant 3-500Z called the 3-1000A. With a mu of 200, it was the ideal high power tube for the ham with its reduced driving power and a 1974 price of \$105. It is difficult to say why it never caught on. I think hams tend to be cheap (especially me) and the 4-1000A was still less expensive. The popularity of all glass tubes diminished with time.

EIMAC made several versions of both tubes for pulse modulation and industrial heating. The 3-1000H was made with a mu of 25 for use in heating.

DUES

The dues are: Member: \$15.00 / Spouse/Assoc. Member: \$7.50.
There are three ways you can pay your dues and make a repeater donation.

1. Through PayPal. Go here: <http://www.edcarc.net/html/membership.shtml> and scroll down to the PayPal button. There is a slight handling charge.
2. By mail, send a separate check for the dues and repeater donation. Club dues check to be made out to "EDCARC" and repeater donation check to "AG6AU Repeater Fund". You can mail the checks to:

EDCARC
P.O. Box 451
Placerville, CA, 95667

3. In person, bring your checks (see #2) to the next EDCARC meeting. If you have any updates to your personal information, e.g. address (residence or email), phone #'s, etc. then fill out an application form here: http://www.edcarc.net/files/El_Dorado_County_ARC_Membership_App.pdf and either mail it to the address in #2 or bring it to the meeting.

Thanks to everyone for supporting your club!
73, Nancy, KG6PNP, Treasurer

THE EDCARC TUESDAY NIGHT NET
HAVE YOU SAID HI TO NANCY LATELY?
WILL YOU BE CHECK-IN #20?
8:00 PM EVERY TUESDAY

52.78 (107.2)

147.825 (82.5)

147.975 (82.5) (currently off-line)

441.725 (82.5)

927.27 (127.3)

Or
Echolink

HAM RADIO LICENSING TESTING



January 12th, 2019
9:00 AM

**THE AMERICAN
LEGION
POST 119**

4561 GREENSTONE Rd.
PLACERVILLE, CA 95667

FEES ARE \$14.00
(Subject to change)

CONTACT:
KEN VOGELE, W6KWV
530-642-9523



2018 OFFICERS BELOW

2019 OFFICERS WILL BE LISTED IN THE JANUARY CIRCUIT

First Class Postage

Post Office
Will Not
Deliver
Without
Proper
Postage

El Dorado County Amateur Radio Club
PO Box 451
Placerville, CA 95667

Club Information 2018

President	Jay Harmor	KE6GLA		jharmor@comcast.net
Vice President	Jordan Heichman	WC6J		radon@jordan-h.com
Treasurer	Nancy Harmor	KG6PNP		nanharmor@comcast.net
Secretary	Aaron Tassin	W6CK		
Board Member	Dave Sanders	K6KNS		
Board Member	Don McCallum	AF6ND		
Board Member	Michael Picco	K6MLE		
Board Member	Phil Mosbacher	KK6YYD		
Board Member	Don Brooks	KG6YST		
Repeater Trustee	Bob Hess	W1RH	530-350-3843	w1rh@arrl.net
Newsletter Editor	Bob Hess	W1RH	530-350-3843	w1rh@arrl.net
Webmaster	Jay Harmor	KE6GLA		jharmor@comcast.net

- ◆ Meeting: Club meetings are normally held on the 4th Thursday of each month (except for June and November), 7:15 PM, at the Federated Church, 1031 Thompson Way, Placerville
- ◆ Club Nets: Tuesday evenings, 8:00 PM, on the AG6AU repeater, 147.825 MHz / 441.725 MHz / 52.78 MHz / 927.275