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## November Meeting

**Thursday, January 26**

**7:15 PM**

**Scott Gathard will do a talk about the on BC-348 radio and how it relates to amateur radio**

## 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

2012 is here and I hope that your New Year is off to a good start. The radio club is getting back in gear after our holiday break. Our first activity of the year will be a special event station to commemorate the discovery of gold in Coloma, California. We will be operating, using the club call of AG6AU, and the station will be located at the James Marshall monument within the Gold Discovery Park. We plan on running the station on Saturday the 28<sup>th</sup> and Sunday the 29<sup>th</sup> from 8:00 am to 5:00 pm. We will have one HF station and one VHF station on the air. The planned operating frequencies can be found on the club web site <http://www.edcarc.net> or in the January QST magazine. I hope the band conditions will be good and we can make lots of contacts. Everyone is welcome to come out and help operate the station and I have a good supply of parking passes so you won't have to pay the park fees. If you can't make it to the special event station take a minute to work us on the air.

With the start of a new year it means that it is time for all of us to renew our club membership. You can either bring your dues to the club meeting or mail them into our PO box. At the same time you can make a donation to the AG6AU repeater fund. The club dues help pay for our liability insurance, rent of our meeting place, rental of our PO box and some postage. The repeater donation also helps with insurance and maintenance costs of the repeater system. Also if you have had a change in your contact information please fill out a new application located at

[http://www.edcarc.net/files/El\\_Dorado\\_County\\_ARC\\_Membership\\_App.pdf](http://www.edcarc.net/files/El_Dorado_County_ARC_Membership_App.pdf).

This will help the Treasurer with compiling the club roster for the 2012 year.

That's it for now I hope all of you can make it to our first meeting of the year. If not have a great month and we will see you in February.

**JAY, K266LA**

### Special event operating frequencies:

21.248 MHz SSB, 14.248 MHz SSB, 7.248 MHz SSB, 146.52 simplex FM

## THE AG6AU REPEATERS

YOUR \$25 DONATION TO THE REPEATER FUND WILL KEEP US COMMUNICATING!!

BAND	FREQUENCY	PL
6 METERS	52.78 MHz	107.2 Hz
2 METERS	147.825 MHz	82.5 Hz
70 CENTIMETERS	441.725 MHz	82.5 Hz

**IRLP Node 7195 and the AG6AU-R Echolink 668182 node are now available for use on the 441.725 repeater.**

## EDCARC BOARD MEETING

NOVEMBER 16, 2011

Don, KG6YST

The meeting was called to order by President Jay, KE6GLA at 6:33 PM.

October minutes to be corrected to show amount due for insurance is \$160.00.

Board members present: Jay, Dave, Kirby, Loretta, and Don.

### New Business:

Nominations and Election of officers for 2012 this evening.

Holiday dinner request for food listing. Jay will send out in the next few days. Jay and Nancy Will bring table decorations. Don will provide a ham.

Special Event station at Coloma in January 2012 looks good to go. Jay is waiting for a copy of insurance certificate and will submit permit application.

Nevada County Amateur Radio Club wants to link to our web site.

El Dorado County Office of Education looking for volunteers to contact ISS on 2 meters Jan 23 – 29, 2012. Contact Cindy Terpe 295-2213 or [cterpe@edco.org](mailto:cterpe@edco.org)

### Treasurer Report:

Balance in checking \$1,246.07. Half of club insurance paid to repeater fund. Holiday dinner and door prize bills outstanding.

### New Members:

Tom O'Donnel N6GVZ and Jordan Hekhman KJ6NHF we approved as new members. Loretta motioned to approve, 2<sup>nd</sup> by Don. All yeas.

**Meeting adjourned at 6:56 PM**

## EDCARC MEMBERSHIP MEETING

NOVEMBER 16, 2011

Don, KG6YST

The meeting was called to order at 7:21 pm by President Jay.

El Dorado County Circuit

Jay led the pledge of allegiance.

Alan, KJ6OFB upgraded to Extra Class.

Two new members were introduced.

Member introductions were held.

The Holiday dinner was scheduled for 12/3/11 at the Federated Church. There will be door prizes for Club members present. Raffle prizes will be for all attendees.

The special event station is set for January 28/29, 2012 in Coloma to commemorate the 174<sup>th</sup> anniversary of the discovery of gold.

Treasurer's report was presented with same information as in the Board minutes.

Michael, N6MLE will set up a club project possibly in January to build a Beacon Transmitter.

### NOMINATIONS FOR 2012 BOARD:

President – Jay, KE6GLA  
V-President – Don, KG6YST  
Secretary – Dave, KG6YBE  
Treasurer – Loretta, N6NQH  
Board Member – Mel, N6MCM  
Board Member—Jordan, KJ6NHF  
Board Member—John, KJ6GHC  
Board Member—Tom, N6GVZ

Board approved as nominated by membership present.

Information given to membership on a request by the County Office of Education for volunteers to contact ISS January 23 – 29, 2012.

**BREAK TAKEN AT 7:50 PM  
CALLED TO ORDER AT 8 PM**

Program - Video of South Orkney Island DXpedition. VP8ORK

Raffle was held

**MEETING ADJOURNED AT 9 PM**

## EDCARC OCTOBER FOXHUNT

Don, KG6YST / Pictures by Karen Hess

On October 22, 2011 the EDCARC held a Fox Hunt hosted by Bob, W1RH. There were six teams participating.

The starting point was at Golden Sierra High School in Garden Valley. The ending point was at Dave Moore Recreation Area on Highway 49 between Pilot Hill and Coloma. This was within a five mile radius of the starting point. Below are some pictures of the happy winners and those who didn't quite win, but are still winners.



# HAM RADIO LICENSING TEST

March 10, 2012

American Legion Post 119  
Building

4561 Greenstone RD  
Placerville, CA 95667

STARTING  
AT  
9:00 AM

Test fee \$14.00  
Subject to change

CONTACT  
KEN, W6KWW



Take a look at this picture closely. This guy has more radios in his car than even our own Ken, K6KRD!

Thanks to Greg Schwab for the picture.

## FOR SALE

Mirage A1015G 10 watts in / 150 watts out 6 meter amp. \$150  
Contact Bob, W1RH

## TUBE OF THE MONTH

Norm, N6JV

Visit the museum at [N6JV.com](http://N6JV.com)

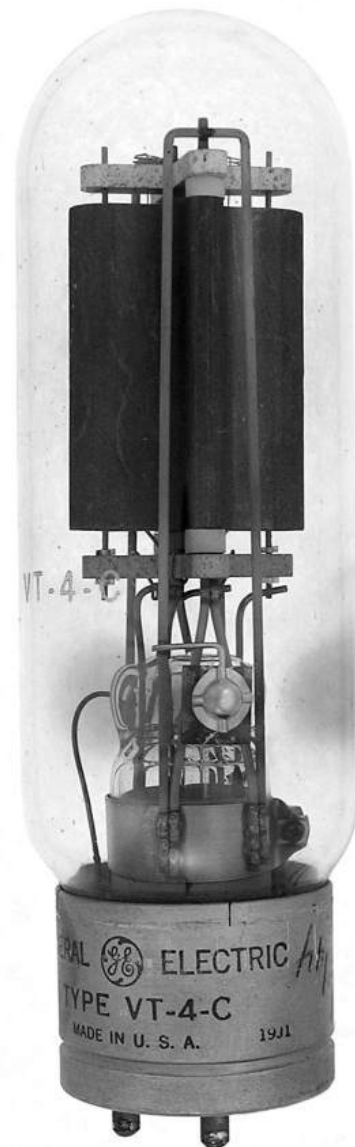
### Tube Of The Month

## UV211

With the success of the UV-203, the RCA Company announced a new version of the "50 watter" in 1923. The 203 was designed as a transmitting tube and there was a need for tubes that would work better as audio amplifiers. AM broadcasting was starting to catch on and modulation tubes were desirable. Audio tubes don't require any special design above that required for a transmitting tube. The 203 had a mu or amplification factor of 25, so reducing the number of turns on the grid would reduce the mu. The UV-211 had a mu of 12.5. The KFBK (Sacramento) transmitter of 1924 had a pair of 50 watters in parallel in a Hartley circuit and was modulated by a pair of 211 types. The military designated the new tube as the VT-4-B and General Electric, who actually made the tubes, called it the PR-11-A. RCA was not shy about stealing ideas and the 211 was a good example. In 1921, the Western Electric Company developed a similar tube called the WE-211A. RCA held the triode patent, so they got away with a lot.

The UV-211 was replaced by the 211 or VT-4-C. In the 1930s, military designers were developing transmitters for the new heavy bombers. The BC-375 was made in vast numbers before and during WWII. This transmitter had three 211s in the final and one as a modulator. One BC-375 was used in every B-17, B-24, B25, B-26 and early B29s. They were also used in portable and mobile applications. The VT-4-C was very common after the war and they were everywhere along with the BC-375s. You could buy them for a dollar at any swap meet.

Then the audio nuts discovered the better sound from vacuum tubes than solid state and the rush was on. In a short time the VT-4-C cost \$75 each and they are still climbing. Recent eBay sales are well over \$100. New single ended audio amplifiers are being sold and big bucks using the old VT-4-C. Never give up on an old tube. <http://home.comcast.net/~n6jv/211.html>



# THE EDCARC 2011 CHRISTMAS PARTY (PICTURES BY KAREN HESS)



## **EDCARC Weekly Net**

Is held Tuesday evenings at  
8:00 pm  
AG6AU Repeater  
147.825 MHz

## **EL DORADO COUNTY ARC MEMBERSHIP**

*Current membership rates are \$15.00 per member and \$7.50 for each additional family member.*

*A donation to our repeater system, in addition to your 2010 dues, will give us the funds to properly maintain the repeater and improve coverage.*

**SATURDAY'S 911 OUTAGE**

Frank, W6DHN

At about 2045, on January 21, I received a phone call from Capt. Theresa Snoke saying that there were phone problems where she could not call out of the 333 prefix. As I recall, she had called Camino on the command frequency to let them know of this problem which included no 9-1-1 access. If understood correctly the dispatcher did not respond positively, so Capt. Snoke, remembering that I had been the "radio guy" for a long time, asked me if I could do anything to assist.

I got on the El Dorado Amateur Radio Club 2-meter repeater and called, Jay, the president of the Club, who lives El Dorado Hills, and asked him to call the Camino ECC. He was able to make the call and let them know our concern about the loss of the availability to the 9-1-1 emergency system and was assured that they would look into it.

Theresa told me that she had made contact with KFOK, our local FM radio station and asked them to announce that anyone with AN EMERGENCY should call the Georgetown Fire Station and report it if they were unable to contact 9-1-1.

I talked with Paramedic Johnson the next morning and she said that the phone system was restored about 0600.

**...AND FROM CHIEF SCHWAB:**

Team Georgetown: Thank you all for your help (quick and decisive action) during Saturday, January 21st (1730-0630 hours) 911 outage:

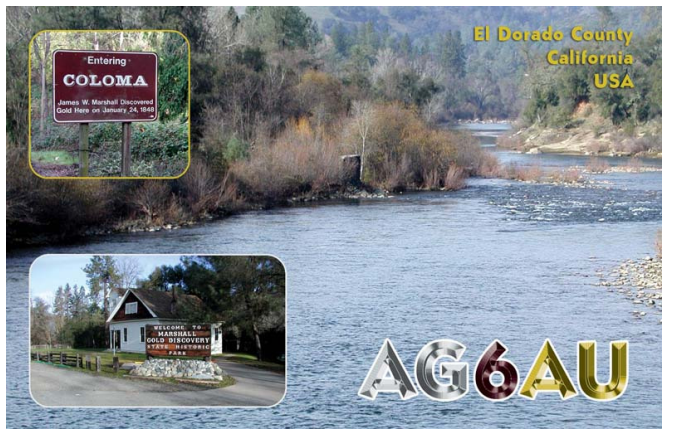
- Frank Sharit (W6DHN) utilizing his amateur radio to make contact Camino ECC
- KFOK 'staffing up' to warn the general public
- Donna Root for activating Volcanoville's phone tree (NEST)

I am working today with the folks from EDSO Communications, Camino ECC, and ATT to better respond in the future; however, our future plans will always include your skills and capabilities.

**QSL OF THE MONTH**

Bob, W1RH

Last year, we did a special event station from my house commemorating the 173rd anniversary of the discovery of gold, in Coloma. My place is not quite in the park, but it does overlook the park. This year, and thanks to Jay, we will be operating the 174th anniversary special event station from Coloma State Park.



Anyway, following the special event, I received a bunch of QSL card requests, so I snapped a handful of pictures and sent them to my favorite QSL supplier, Gennady, UX5UO.

Gennady is located in the Ukraine, but doing business with him is very easy and affordable. 1,000 deluxe cards cost \$76, including shipping. Payment was made via PayPal, to a US ham who handles Gennady's orders in the States.

I have had several sets of cards made for me by Gennady. You email him some pictures, select one of a bunch of templates, and he takes it from there. Generally, he will email you a proof within a day or two. You go back and forth with modifications of the proof until you are satisfied that this is what you want, email the funds via PayPal and your cards arrive in about three weeks.

You'll note that the "AG" is in silver and the "AU" is in gold. That was Gennady's

# AG6AU

El Dorado County ARC                      CQ 14  
 PO BOX 451                                    ITU 27  
 Placerville, CA 95667                      Grid CM98or  
 USA    El Dorado County

CONFIRMING QSO WITH	DATE DAY	MO	YEAR	

UTC	MHz	2-way	RST	QSL
				Pse Trx

The story of gold became reality at Coloma on January 24, 1848, when James Marshall found gold in a sawmill tailrace on the banks of the South Fork of the American River. When the word spread in California and the rest of the West, it was a gold rush to El Dorado County. Besides gold, silver and other minerals have been mined in El Dorado County. Our club call sign, AG6AU, represents the Periodic Table symbols for silver (AG) and gold (AU).

idea. I hope all of our club members know by now that our club call sign stands for silver and gold.

These are the cards we will be sending out following this year's special event. I hope to see many club members joining us at Coloma State Park next weekend.

*To have your favorite QSL card featured in the Circuit, just email me an electronic copy or trust me with a hard copy and I will scan it and return it to you in same the condition I received it.*

*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 2012**

President	Jay Harmor	KE6GLA		jharmor@comcast.net
Vice President	Don Brooks	KG6YST		drbjfb@yahoo.com
Secretary	Dave Cole	KG6YBE		dave_cole@att.net
Treasurer	Loretta Ozment	N6NQH		lwozment@comcast.net
Board Member	John Le Pouvoir	KJ6GHC		
Board Member	Mel McIlwain	N6MCM		
Board Member	Jordan Heichman	KJ6NHF		
Board Member	Tom O Donnell	N6GVZ		
Repeater Trustee	Bob Hess	W1RH		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
- ◆ Mailing Address: El Dorado County ARC, P.O. Box 451, Placerville, CA 95667
- ◆ Club Web Site: <http://www.edcarc.net>