



P.O. Box 6421 Auburn, CA 95604

August 2017

<http://w6ek.org> info@w6ek.org

At The Key of SFARC:

PRESIDENT

Orion Endres, AI6JB
ojendres@outlook.com

VICE PRESIDENT

Michael Perry, KK6GLP
mrprry2@gmail.com

SECRETARY

Bruce Anderson, K6BAA
anderson51@wavecable.com

TREASURER

Sharron Griffith, KK6RGV
sharron@suddenlinkmail.com

DIRECTORS

Greg Dolkas, KO6TH
Bob Brodovsky, K6UDA
Andrew Silvester, KC6O

FIELD DAY CHAIRMAN

Al Martin, NI2U

REPORTERS

Satellites: Greg, KO6TH
Sunshine: Richard, WA6RWS

YAHOO! GROUP

Dennis Gregory, WU6X

REPEATERS

145.430 (-0.6 MHz/PL 162.2)
440.575 (+5.0 MHz/PL 162.2)
223.860 (-1.6 MHz/PL 110.9)

CLUB NET

Thursdays, 7:30PM, W6EK/R
145.430

CLUB MEETINGS

Second Friday of the month,
7:30PM at the Auburn City Hall,
1215 Lincoln Way, Auburn CA

CLUB BREAKFAST

Last Sat of the month at Mel's Diner
1730 Grass Valley Hwy, Auburn 7:30AM

NET CONTROL OPS

Dave Jenkins, WB6RBE
Casey McPartland, W7IB
Bob Brodovsky, K6UDA
Al Martin, NI2U

NEWSLETTER EDITOR

Barbara Anderson, W6EVA
anderson51@wavecable.com

WEBMASTER:

Herb-KM6JBI

VOLUNTEER EXAMINER

Al Martin, NI2U

Calendar of Events

**August 5th - 6th:
TEVIS**

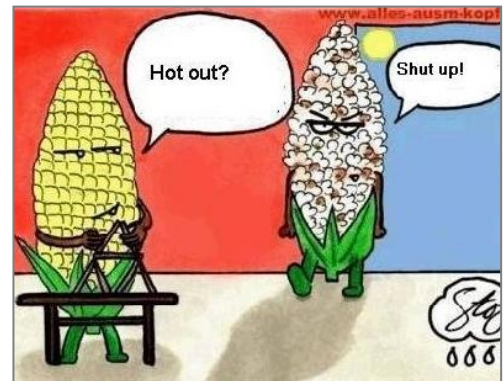
**August 11th:
Club Meeting**

**August 19th:
Club Picnic**

**August 26th:
Club Breakfast**

Inside this issue:

- ***President's Message***
- ***White Elephant Sale***
- ***Ham Researcher to Investigate Effects of Solar Eclipse***
- ***Board & General Meeting Minutes***
- ***Thank you from the CA Enduro Riders Association***



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President's Message

By Orion Endres – AI6JB, President



As I sit here on the Danube watching the Austrian countryside float by, I ponder thoughts for this month's message to you (Ok, I only put that here to make you jealous).

Jamboree On the Air (JOTA)

Each year a million scouts from all over the world gather on the third weekend October for Jamboree On The Air, or also known as JOTA. This year, in particular, is special; it is the 60th year of JOTA. The Sierra Foothills ARC is going to get into the action by hosting a JOTA site. Scouts from our area will be invited to participate. The plan is to setup several stations, e.g. HF, CW, Digital, Satellite?, DStar, etc ..., on Saturday, October 21, and let the scouts have their hand at operating. The idea is for them to be able to talk/communicate with other scouts or Hams. This is an excellent opportunity to get young folks excited about amateur radio. It is also an opportunity for us to get out and use our radios.

In celebration of the 60th year of JOTA, we have setup a Special Event station with the callsign **K6J**. Check out the QRZ page. The callsign is valid from midnight October 20 through October 22. If you have wanted to or never have worked a special event station, here is your chance.

How can you get involved in JOTA? We need folks to setup the operating stations on Saturday. If you would like to volunteer to setup a station, please email me at ai6jb@arrl.net. We need Hams to operate the special event station. Your job would be to call CQ K6J, log contacts, and talk to the scouts. You can use your base station and operate the hours are available. I think it would be cool if we could keep the callsign active the full 72 hours. Email me your hours of availability.

Every special event station has a QSL card. We need someone who would like to create the QSL. If you are interested, please email me.

Unofficial Club Camp-out

Brian, AI6US, is organizing an unofficial club camp-out for the weekend of September 23 & 24. The location is Lake Stampede. Class A RVs to tent campers are all invited. Contact Brian for additional information. Most importantly, you will need to make a reservation.

More Unseen Heroes

As soon as last month's article was penned, a few more unseen heroes came to mind. So instead of making one long article, I thought I would make two. As you may recall, a busy club like ours cannot

be successful without the hard work and dedication of its members. As with any volunteer organization, there are few individuals who are always there to lend a helping hand, or step in when there is a need to be filled. Often, these folks take on the behind the scenes tasks which are not glamorous, but vital to our success. Without any particular order, here are more few folks that deserve your admiration and accolades:

Jim, WA8MPA, has served on our Board and he continues to be there to help-out on Field Day, Hamfest, and other club functions. But what stands out in my mind most, is his desire to provide helpful and useful information to enrich our member's enjoyment of the ham radio hobby. It was his idea to create the Club Library. Not only did he come up with the idea, he ran with it and made it a reality. If you have any materials you would like to donate, please let him know. If you want to avail yourself of any of the materials, come to a meeting, fill out a card, and enjoy!

Birton, N6UG, too is a past board member. He is our club conscience and ensures we stay true to our high standards. We can always count on Birton to be there for club activities. He is quick to volunteer to help on special projects like testing a digital station for interference or offer guidance to our newer members on antenna placement or to setup Echolink or maintain our repeater.

Richard, WA6RWS, is our club call sign Trustee. He has served on the board for many years but still keeps on giving. He helps maintain our club repeater and he is sure to send you a get well soon card from the Club if life causes you some QRM.

Thank you to all of you for your years of service and thank you for the contributions in the future. Everyone, please join me in saying thank you to these fine members and let them know you appreciate them for the work they do for our Club.

Hope to hear you on the air ... when I get back into the country!

73

Orion, AI6JB

President



The White Elephant Sale October 2017!!!

The White Elephant Sale is set for October the 13th!! This will defiantly be a special year for the sale since it falls on lucky Friday the 13th. With that in mind it's time to start cleaning out your closet, garage, radio storage room, and shack! We will sell just about anything and everything you donate!! Please put a note on what you bring letting everyone know what it is; parts radio, working gear, parts box, miscellaneous stuff, etc. If you are going to donate something out standing please let me know so we can let everyone know in advance.

If you're not a member of the SFARC, please join us for this yearly auction; we have a blast and you just might want to join this club!!

But wait there's more.... Remember all of your donations and proceeds of this Auction help make our Christmas party the best in the area!!

~ Tyghe, W6TJR

Ham Researcher to Investigate Effects of Solar Eclipse

Submitted by Dan Romanchik, KB6NU

August 21, 2017, is a once-in-a-lifetime opportunity for many in the U.S. to see a total eclipse. It's also an opportunity for a team of Virginia Tech researchers to study the effects of the eclipse on changes in the upper atmosphere that have an impact on HF propagation and the global positioning system (GPS). Backed by research funding from NASA and the National Science foundation, the team is headed by Dr. Greg Earle, W4GDE.

The Virginia Tech team plans to gather data from a variety of sources, including radar systems, transceivers, satellites, ham radio, and GPS receivers, in order to analyze the effects of the solar eclipse on the conductive region of the atmosphere.

"Whether military radar, or consumer GPS signals, the eclipse is going to have effects on the medium that we would like to understand better, so that we can either mitigate them or use them to our advantage," said Earle.

Here are a couple of links to news stories on the research team and the experiments:

* Virginia Tech team prepares for special project during total solar eclipse
<http://wset.com/news/local/virginia-tech-team-prepares-for-special-project-during-total-solar-eclipse>

* Virginia Tech expert to study August solar eclipse effects on radar, ham radio, GPS
<http://wtkr.com/2017/07/17/virginia-tech-expert-to-study-august-solar-eclipse-effects-on-radar-ham-radio-gps/>

Let's party!

In conjunction with the eclipse, the HamSCI and the ARRL are sponsoring the Solar Eclipse QSO Party (<http://www.hamsci.org/seqp>). (SEQP). According to an article in the August 2017 issue of QST, the goal of the SEQP is to "flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet." Once all the logs are in, researchers will analyze the data to see what effect the eclipse had on radio propagation.

A YouTube video of a presentation at Dayton on the SEQP can be found at <https://youtu.be/3EviY2Cuxpo?list=PLihPo8xWmo8-xDYAtP9BWX9QnhUoT7k4>

The SEQP will run from 1400Z - 2200Z on Monday, August 21. This is well before the eclipse is due to begin on the West Coast. The reason it starts before the eclipse is to establish a baseline for radio propagation conditions.

SEQP organizers urge you to make as many contacts as you can on as many bands as you can operate. Like nearly every contest, contacts are not allowed on 60m, 30m, 17m, and 12m. CW, RTTY, and PSK31 are the preferred modes because automated receivers can record those contacts, but phone and other digital modes count, too.

An interesting twist to this contest is that, like Field Day, you can earn a number of bonus points, including:

- * Operating outdoors (100 points)
- * Operating in a public place (100 points)
- * Operating a wide-band automated receiver at your station (100 points)

Hams have had a long history of supporting scientific research. They provided communications for some of the early polar explorations and listened for Sputnik as it flew overhead. The Solar Eclipse QSO Party continues this tradition, and it's going to be a lot of fun as well. Visit the HamSCI website (<http://www.hamsci.org/seqp>) for more information.

Dan Romanchik, KB6NU, blogs about amateur radio at KB6NU.Com, and is the author of the "No Nonsense" amateur radio license study guides and the CW Geek's Guide to Having Fun With Morse Code." You can reach him by emailing cwgeek@kb6nu.com.





BOARD OF DIRECTORS MEETING MINUTES

July 14, 2017

The SFARC Board meeting for July commenced at 1800 hours at the Sizzler restaurant in Auburn.

Roll Call: All officers and directors were present except Bruce - K6BAA (Secretary). Mike - KK6GLP took the minutes in place of Bruce. Guests included Al - NI2U, Herb - KM6JBI, and Richard - WA6RWS.

REPORTS and DISCUSSIONS

President's Report: Orion - AI6JB submitted the agenda and asked for officer, director, and committee chair reports.

Vice President's Report: Mike - KK6GLP had nothing to report.

Secretary's Report: Bruce - K6BAA was not present.

Treasurer's Report: Sharron - KK6GRV reported the following: 1) She presented the June 30, 2017 WFB Monthly Recon Report to the board members; 2) She presented a \$400 check from the Enduro, made out to George - KG6LSB, who will need to endorse it to the Club; and 3) She presented an invoice of \$85 from WebListings, and will forward same to Carl - WF6J for review.

Director's Reports:

Bob - K6UDA had nothing to report.

Greg - KO6TH had nothing to report.

Andrew - KC6O had nothing to report.

OTHER DISCUSSIONS

Repeater: Richard - WA6RWS said the repeater was working fine.

Greeter/Sunshine: Richard - WA6RWS had nothing to report.

Newsletter: Orion - AI6JB stated that the July 2017 Newsletter was published and distributed.

Webmaster: Herb - KM6JBI said there is no need to obtain different web software, he is happy with the current software. He has backed up the website, and may need to archive old pages and photos, as he is unsure of available space. Sharron - KK6GRV added that she is revising the membership application to make it more user friendly, and will hopefully have it ready for the website in September. Orion - AI6JB asked Herb to add the Club's meeting address to the website.

Yahoo Groups: Dennis - WU6X was not present.

Social Media Officer: Mark - W8BIT was not present.

Membership: Orion - AI6JB stated the Club has 119 members.

VE Exam: AI - NI2U stated that there were 16 candidates at the last session, with more candidates than examiners.

Nominations: Andrew - KC6O stated he has one candidate for a position, and is working on a list of people to ask about their interest.

Volunteer Events: George - KG6SLB was not present.

Drawings: Aaron - KG6TVT was not present.

Refreshments: Orion - AI6JB stated Wendy - KK6HSK will handle refreshments for the July and August meetings, with proceeds going to fund the trip of her daughters to Washington, DC.

Field Day: AI- NI2U stated that he would discuss Field Day results at this day's Club meeting, in the Tech Ten talk. He also said he has an Extra Large ARRL Field Day shirt available for sale.

Calendar of Club Events: Orion - AI6JB reviewed radio events and contests on the General Meeting Agenda. The Club's annual picnic is August 19, and Sharron - KK6RGV will chair the Christmas Party.

OLD BUSINESS

By-Laws Review - Publish Final Version: Sharron - KK6RGV provided the board members copies of the By-Laws showing punctuation, spelling, and other corrections she had made. She said she had corrected all pages save the Table of Contents. Bob - K6UDA motioned to accept Sharron's corrections, which was seconded by Andrew - KC6O, and the motion was carried.

Repeater Fund: Sharron - KK6RGV reported that Dennis - WU6X must be removed as a Club executive from the Repeater Fund account, and Orion - AI6JB added as a Club executive. She will draft a resolution regarding this to be approved by e-mail, and then send same to the bank.

Club Inventory List: Bruce - K6BAA was not present.

NEW BUSINESS

2015 Field Day Tee Shirts: The board agreed to sell off remaining shirts at the October White Elephant Auction.

Jamboree on the Air: Orion - AI6JB stated the scouts asked if the Club wanted to sponsor a JOA site at Railhead Park on October 21 and 22. The board agreed to add same to the calendar.

Meeting adjourned at 1845. Submitted by Mike Perry, SFARC Vice President.

GENERAL MEETING MINUTES

July 14, 2017



The SFARC General meeting for July commenced at 1930 hours at the Auburn City Hall Rose Room, with President Orion - AI6JB was presiding. All officers and directors were present except Bruce - K6BAA (Secretary). Mike - KK6GLP (Vice President) took the minutes in the absence of Bruce. The sign-up sheet reflected 41 members and 5 guests, a total of 46 attendees. Orion led the members and guests in reciting the Pledge of Allegiance to the flag. Then followed an introduction of officers, directors, members, and guests.

CLUB BUSINESS

June Minutes: Jim - WA8MPA made a motion to approve the June 2017 minutes. Richard - WA6RWS seconded the motion. The Club members voted to approve.

Board Meeting Updates:

Old Business: Orion - AI6JB reported that Sharron will chair the Christmas Party.

New Business: Orion - AI6JB reported the following: 1) The Enduro donated \$400 to the Club; 2) The Club will set up a station in October for the scout's Jamboree on the Air; and 3) Brian - AI6US donated a PA system stand to the Club.

REPORTS

President's Report: Orion - AI6JB discussed the agenda and reviewed this evening's board meeting.

Vice President's Report: Mike - KK6GLP had nothing to report.

Secretary's Report: Bruce - K6BAA was not present.

Treasurer's Report: Sharron - KK6RGV had nothing to report.

Directors: Directors had nothing to report.

Repeater (Station Trustee) / Greeter / Sunshine: Richard - WA6RWS said the repeater is working fine, and he has cards with repeater information for Club members.

Newsletter: Bruce - K6BAA was not present.

VE Exam: Al - NI2U reported that the last VE session had 16 candidates taking 25 segments, and it produced 11 new Technicians and 4 new Generals. There were 8 volunteer examiners.

Volunteer Events: George - KG6LSB was not present.

Satellite: Greg - KO6TH discussed slow scan with the International Space Station, and said the August eclipse will affect satellites.

Website: Herb - KN6JBI said the website is up and running.

Yahoo Groups Site: Dennis - WU6X was not present.

Contest Chair: Dennis - WU6X was not present.

Social Media Officer: Mark - W8BIT stated the Club's Facebook and Twitter sites are up.

Club Picnic: Jeremiah - W6DLO stated the Club picnic will be held at Applegate Park on August 19, from 11 AM to 2 PM.

Refreshments: Orion - A16JB said Wendy - KK6HSK would be handling refreshments, the proceeds going to fund the trip of her daughters to Washington, DC.

Drawings: Aaron - KG6TVT discussed drawing items.

ARES: Carl - N6CKV stated that the ARES net meets each Sunday at 1730 hours on the W6EK repeater. He said the ARES group will meet at the Auburn Veterans Hall on September 9, 9 to 11 AM.

Club Library: Jim - WA8MPA discussed the Club Library.

TECH TEN: Al - N12U gave a recap of the Club's Field Day activities at Nyack, with input from Orion - A16JB.

PROGRAM: Rich - AA6RS and Carl - WF6J gave presentations relating to the August antenna build session. Rich discussed dipole antennas and Carl discussed 2m Yagi antennas.

The meeting adjourned at approximately 2105. Submitted by Mike Perry, Vice President.



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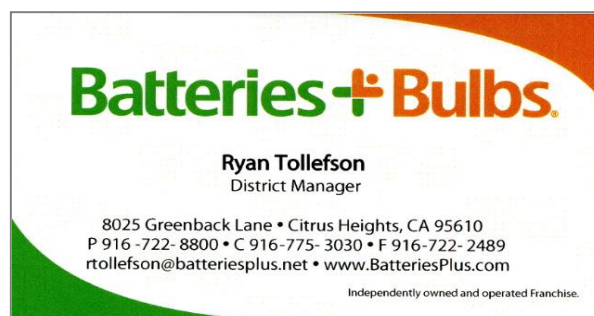
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CALIFORNIA ENDURO RIDERS ASSOCIATION

5746 Daphne Drive
Livermore, CA 94550

June 21, 2017

George Simmons
10785 Penstock Trail
Auburn, CA 95603-9556

The California Enduro Riders Association would like to thank you and your radio club for your continued support and help with our enduro this year. On behalf of the California Enduro Riders Association, enclosed please find check #1388 in the amount of \$400.00 as a donation from our organization.

Sincerely,

Anthony J. Godrich,
Treasurer
California Enduro Riders Association

SIERRA FOOTHILLS AMATEUR RADIO CLUB

P.O. Box 6421, Auburn, CA 95604

2017 MEMBERSHIP APPLICATION

SIERRA FOOTHILLS AMATEUR RADIO CLUB

P.O. Box 6421, Auburn, CA 95604

Name: _____ Call: _____ Class: _____ e-mail: _____

Address: _____ City: _____ State: _____ Zip: _____

Associate Name: _____ Call: _____ Class: _____ email: _____

Phone: _____ Cellphone: _____ Application is: (New / Renewal)

Dues / Donations:

Membership: yearly*	\$22.00or 20x__	Name Badge:	\$ 10.00/15.00	Yes (special name)_____
Associate: yearly*	\$ 7.00	Repeater Donation:	\$_____	
Auto Patch Donation:	\$_____	Newsletter Booster:	\$_____	
Misc. Donation:	\$_____	Christmas Donation:	\$_____	ARRL member? (Yes/No/Life) _____

TOTAL: \$_____ Please add \$1 if paying via PayPal

*Prorated dues for NEW Members/Associates Only

July	\$ 20/6	October	\$ 14/3 + following year
August	\$ 18/5	November	\$ 12/2 + following year
September	\$ 16/4	December	\$ 10/1 + following year

**New---New---New---
Multi-year DISCOUNT Membership
\$20 per year for 2 or more years (new or renewal)

OFFICE USE ONLY:

DO NOT WRITE BELOW THIS LINE

Date: _____ Treasurer: _____ Secretary: _____ Roster: _____

Payment: _____ Check Number: _____ Cash: _____ PayPal: _____