



Welcome to SFARC, Auburn, CA

Sierra Signals

P.O. Box 6421 Auburn, CA 95604

November 2018

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

At The Key of SFARC:

PRESIDENT

Orion Endres, AI6JB
AI6JB@ARRL.NET

VICE PRESIDENT

Michael Perry, KK6GLP
mrpry2@gmail.com

SECRETARY

Bruce Anderson, K6BAA
anderson51@wavecable.com

TREASURER

Sharron Griffith, KK6RGV
sharron@suddenlinkmail.com

DIRECTORS

Greg Dolkas, KO6TH
Mark Graybill, W8BIT
Brian Gohl, AI6US

FIELD DAY CHAIRMAN

Gary Frerking, KC3PO

REPORTERS

Satellites: Greg, KO6TH
Sunshine: Richard, WA6RWS

GROUPS io

Dennis Gregory, WU6X

PIO

Carl Schultz, WF6J

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 Garcia, KM6JBI

VOLUNTEER EXAMINER

Al Martin, NI2U

Calendar of Events

November 9th:
Club Meeting

November 11th:
Veterans Day



November 22nd:
Thanksgiving

November 24th:
Club Breakfast

December 15th:
Club Christmas Party



Inside this issue

- *Photos from the Cystic Fibrosis event*
- *3D Printed Parts for Ham Radio*
- *Group photo from JOTA*
- *Board Minutes*
- *General Minutes*



We encourage members to receive Sierra Signals via email to save the Club the cost of reproduction and mailing

Sierra Signals is published monthly by the Sierra Foothills Amateur Radio Club for the information of its members and friends, and is distributed via E-mail and USPS mail. Opinions expressed are those of the authors. Newsletter exchanges with other clubs via E-mail are welcomed. Contact the editor to be placed on the E-mailing list. The contents of Sierra Signals are copyrighted by the Sierra Foothills Amateur Radio Club, and all rights are reserved. That said, we will gladly permit republications for non-profit uses of all text material. Photos require the consent of all persons pictured in them, and some of our material is copyrighted by others and published by permission. You'll need to contact them for permission.

On Sunday, October 7, 2018, the Club provided communications support for the

Cystic Fibrosis Foundation's Cycle for Life bicycle ride.

CFF is grateful for the support we have given these past many years. The event allows the ham volunteers a chance to use their equipment in the field while enjoying camaraderie.





3D Printed Parts for Ham Radio

By Dan Romanchik, KB6NU

One of the things that I keep telling myself that I need to learn how to do is 3D printing. This morning, I ran across a couple more 3D printing projects for ham radio that I thought I'd pass along.

The first I found on reddit: 3D Printed Parts for Portable Tape Measure Yagi Designs (<https://www.reddit.com/r/amateurradio/comments/963br3/3d-printed-parts-for-portable-tape-measure-yagi/>).

The summary on Thingiverse (<https://www.thingiverse.com/thing:3042505>), which is a website where "makers" share their designs, says:



These parts are made for use with 1-in. PVC pipe and 1-in. Harbor Freight tape measure steel. You can use electrical tape to attach the element holders to the side of the pipe, and use the driven element bridge to give structural rigidity across the driven dipole element. I have used this with up to 5 elements on 2m with good success. When not using the antenna, just pinch the elements to remove them from the holders, and store them INSIDE the tube! you can add some end caps to make this ultra portable. Use these parts with any of the multitude of tape measure YAGI design guides online.

Here's a look at an antenna made with these parts:



The element holders are attached to the boom with electrical tape in the photo above. While I haven't tried it, I'd suggest that the antenna might be a bit more robust if you could screw or perhaps glue the holders to the boom.

There are lots of other cool amateur radio 3D printing projects available on Thingiverse (<https://www.thingiverse.com/search?q=ham+radio&dwh=415b6d8da129c3c>). Browsing through the list quickly, here are just two that look like they might be useful to me:

- Soldering Fingers (<https://www.thingiverse.com/thing:1725308>). This project looks simple and quick.
- μ Bitx Case (<https://www.thingiverse.com/thing:2925336>). I still gotta do something with the μ Bitx I bought. This looks like it might get me started.

Finally getting in gear

Last week, I attended a 3D printing class at our local maker space, All Hands Active (allhandsactive.org), and now I feel like I can finally attempt a 3D printing project. I'm thinking about starting out with the simple Soldering Fingers project. If that goes well, I'll try a Raspberry Pic case and finally start using that in the shack. And, while these projects all seem pretty cool, I feel like I'm only scratching the surface. Have any of you 3D printed anything cool for your ham radio projects? Is there another source of designs for ham radio 3D printed stuff besides Thingiverse?

When he's not 3D printing enclosures for his ham radio projects, Dan blogs about amateur radio, writes exam study guides (www.kb6nu.com/study-guides), and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him about your experiences with 3D printing at cwgeek@kb6nu.com.



JOTA group photo



	<p>DENNIS H. GREGORY Instructor/Technician</p>		<p>Macintosh Computer Repair</p>
<p>Computer Repairs and Support Reasonable rates, free consultation Placer County Business License #62311</p>		<p>2905 58th Street Sacramento, CA 95817</p>	<p>916 862-6802 support@carlschultz.biz</p>
<p>Phone: 530-305-0180 Auburn, CA</p>	<p>Email: WU6X@hotmail.com www.yourmissioncontrol.com</p>	<p>Carl Schultz</p>	<p>Hardware, Software, Network, Tutoring</p>



BOARD OF DIRECTORS MEETING MINUTES October 12, 2018

The SFARC Board meeting for October commenced at 1800 hours at the Mel's Diner restaurant in Auburn.

Roll Call: All officers and Directors were present with the exception of Director Brian-AI6US. Guests included Richard-WA6RWS, Al- NI2U, Doug-W2VX, Dennis-WU6X, Andrew-K6OP and Toni-KK6JPJ.

REPORTS and DISCUSSIONS

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

VP Report: Mike-KK6GLP had nothing to report.

Secretary's Report: Bruce-K6BAA had nothing to report.

Treasury Report: Sharron-KK6RGV submitted the budget and monthly financial report to the board. Orion advised the budget to be reviewed and acted upon at the November board meeting. Sharron advised \$ 22 to be paid for picnic expenses from 2017.

OTHER DISCUSSIONS

Repeater: Richard-WA6RWS advised the repeaters are working.

Membership: Richard-WA6RWS advised membership now stands at 121.

Nominations: Club elections to be held during Novembers club meeting.

VE: Al-NI2U advised the last secession resulted in one technician and one general. Al suggested adding to the club web site that a copy of a licensed candidate's existing license needs to be brought to a testing session.

Events: Mike-KK6GLP advised 16 club members volunteered for Cystic Fibrosis Cycle for Life event. No other events this year.

WEB: Herb-KM6JBI reviewed his club web page activities including the application project.

Social Media: Mark-W8BIT updated the board on the status.

JOTA: To take place at Beale AFB October 20/21. 5.000 scouts expected.

Christmas Party: December 15th, at the Auburn VFW Hall. Chip-KM6MDF's wife Pam will chair the Christmas party and will be assisted by Barbara-W6EVA.

Groups io/Contests/DX : Dennis reported:

- 1. Groups.io at 123 members. Non-members can post, but the post must be moderated before the going "live".
- 2. Contests: November is CW Sweepstakes (Oct 3 to 5th) and Phone Sweepstakes (17th to 19th) Orion advised there was a good club turnout for the California QSO Party.

Feather Banner: Orion-AI6JB distributed banner final design to the board. To be presented to the membership.

Club Insurance: Board discussed insurance and liabilities.

Hamfest: March 16th 2019.

Youth Ham Scholarship: AI-NI2U presented to the board the scholarship proposal and asked if the funds could be used for college students. Orion advised an age limit of 21 years as of date of VE session and suggested the funds be placed in a separate budget area. The proposal will be presented to the general membership for approval.

New Business

The Waddel family donation suggested by Carl-Wf6J was discussed and the board felt any donation should be made on an individual basis.

Club net mystery question protocol. Greg-KO6TH suggested members refrain from making additional comments with their answer until after the final correct answer is given.

Scotty Flake (No license) membership application approved.

Meeting adjourned at 1855. Submitted by *Bruce Anderson, SFARC Secretary*

SACRAMENTO RADIO EXPO



Doug Wilner
916.769.5016

4343 Marconi Ave. Ste. #2
Sacramento, CA 95821

sacramentoradioexpo.com

Batteries + Bulbs.

Ryan Tollefson
District Manager

8025 Greenback Lane • Citrus Heights, CA 95610
P 916-722-8800 • C 916-775-3030 • F 916-722-2489
rtollefson@batteriesplus.net • www.BatteriesPlus.com

Independently owned and operated Franchise.

GENERAL MEETING MINUTES

October 12, 2018



The SFARC General meeting for October commenced at 1930 hours at the Auburn City Hall Rose Room, President Orion-AI6JB presiding. All Officers and Directors were present with the exception of Brian-AI6US. Orion led approximately 46 members and guests in a Pledge of Allegiance to the flag. An introduction of Officers, members and guests followed.

REPORTS:

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

Club member Joe-K6SAT representing the Western States Run and other events, thanked the club for the use of the club repeaters and invited members to volunteer. In appreciation, Joe presented to the club a donation of \$ 500.

Vice President's Report: Mike-KK6GLP thanked those club members who volunteered for the Cystic Fibrosis Cycle for Life event.

Secretary's Report: Bruce-K6BAA requested input for the club newsletter; advised a welcome letter was available for new members and guests, and a reminder to the membership to sign the attendance sheet.

Treasurer's Report: Sharron-KK6RGV reported on the club's finances.

Satellite Report: Greg-KO6TH updated members on satellite activity.

Refreshments/Drawing: Chip-KM6MDF handled this evening's refreshments. A refreshment chair is still needed as Chip is volunteering on an interim basis.

White Elephant Sale: Tyghe-W6TJR and Bob-K6UDA acted as Auctioneer and MC for the club's annual fundraiser. Proceeds to be used for the club Christmas party.

General Announcements: The Club Net meets every Thursday at 7:30pm; Board and General Meetings occur on the 2nd Friday, Board meeting is held at **Mel's Diner** in Auburn, and General meetings at 7:30pm at **Auburn City Hall**. The Club breakfast is held on the last Saturday at **Mel's Diner** in Auburn; an Elmer Net is held the first and third Wednesday night at 7:30pm on the 2m repeater. See www.w6ek.org for more information.

Meeting adjourned at 2145. Submitted by *Bruce Anderson, SFARC Secretary*

SIERRA Foothills Amateur Radio Club

P.O. Box 6421, Auburn, CA 95604

2018 MEMBERSHIP APPLICATION

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

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

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

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

ARRL member? Yes / No (circle one)

DUES / DONATIONS:

Membership: yearly * \$22.00 or 20.00 X how many years _____ = \$ _____ *** see below Multi-year Discount

Associate: yearly \$7.00

Repeater Donation: \$ _____

Auto Patch Donation: \$ _____

Newsletter Booster: \$ _____

Misc. Donation: \$ _____

Christmas Donation: \$ _____

Name Badge \$10 or \$15 (circle one) ** see below for type of badge requested Name on Badge _____

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

** Clip Badge = \$10; Magnetic Badge = \$15

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

OFFICE USE ONLY:

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

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