

THE EAST BAY AMATEUR RADIO CLUB, INC.

Q
L
F

THE BLOWN FUSE

CLUB STATION W6CUS

VOLUME LXVII NUMBER 10

OCTOBER 2019

EBARC Meetings

October 11, 2019, 7:30 p.m.
To Be Announced
(see ebarc.org)



EBARC meets this month at El Sobrante United Methodist Church, 670
Applan Way, El Sobrante (enter parking opposite 5156 Argyle Rd.)

The Executive Board meets monthly before each general meeting. For the date,
time, & location, contact President Ken Fowler, at ko6no@comcast.net.

POSTMASTER:
Address Correction Requested



FIRST CLASS MAIL

THE EAST BAY AMATEUR RADIO CLUB, INC.
Post Office Box 1393
El Cerrito, CA 94530

The Blown Fuse is published monthly by the East Bay Amateur Radio Club, Inc. and is free to its members. *The Blown Fuse* welcomes articles of interest to its members and amateur radio in general. *The Blown Fuse* reserves the right to edit or reject any material submitted. Material submitted becomes the property of *The Blown Fuse*. Permission is hereby granted to reproduce material printed herein provided proper acknowledgment is given. Editor: Sharon Primbsch, AA6XZ

Deadline for Nov. issue: Tues., Oct. 22nd

[Articles may be submitted by "snail" mail, by dictation over the 'phone 510-741-8227, or by e-mail to aa6xz@earthlink.net]

Temporary Meeting Place!

El Sobrante United Methodist Church
670 Appian Way, El Sobrante
Parking entrance is opposite 5156 Argyle Rd.
GPS coordinates: 37.981938, -122.294720

October 11th EBARC Meeting Election of New 1st Vice President

At the October 11th general meeting, we will yet again have an election for 1st Vice President, to fill out the remaining 2019 term of former 1st VP, Martin Rothfield, W6MRR, who resigned from the office and the club. The election should have happened at the June meeting, as required by our Bylaws. Since there was no nominee, the (very, very late!) election will occur at the October meeting. Nominations remain open, so please volunteer for this vacant Executive Committee office (contact Ken to volunteer).

Many thanks to Michael McMillan, K6MCM, for preafrooding this month's *Blown Fuse*.

2020 EBARC Officers' Election

EBARC needs YOU to step up and stand for election to one of the Executive Committee positions. The positions are; President, 1st VP (Program Chair), 2nd VP (Hospitality), 3rd VP (Membership), Secretary, and Treasurer.

To be nominated, please contact Ken Fowler at ken.fowler1@comcast.net or 510-222-0830. Nominations will be also be accepted at the November meeting. The election will be in December (either by snail mail or electronically).

General Meeting Minutes Robin Spalding, N6RLS, Secretary

Opening: The General EBARC meeting at the El Sobrante United Methodist Church Friday, September 13, 2019 was called to order about 7:30 p.m. by 3rd Vice President Sharon Primbsch, AA6XZ (in President Ken's absence). Craig and Maria are back, but absent tonight (a get-well card to sign for Craig is available near the sign-in sheet). There was a round of introductions. Peter Hoffman brought his \$22 SDR dongle to show. Todd Teachout brought his new \$20 component tester. Rick Taft said he hopes to get a good deal on batteries at Pacificon next month. Mathison reported on events at Camp Herms. Last month's general meeting minutes, as published in *The Blown Fuse*, were approved by voice vote.

Hospitality: Craig's not here. Please sign the card. Feed the kitty plate!

Finance: In Maria's absence, Sharon reported the prior month's balance: \$7,474.01

Public Events/Education: Ken has his Tech class running with a few students, Sharon will be running a VE exam for them in mid-November. The next quarterly VE test is the

4th Sunday in October; date and place are listed in *The Blown Fuse*.

Announcements: Mathison is planning to attend the East Bay Mini-Makers Fair this year. He and Martin Rothfield are planning on a high-altitude balloon launch at the Fair (October 27th). Mathison is seeking launch expense donations from members, possibly to be matched by EBARC. The balloon, *Henry II* will carry aloft the same Cal (UC Berkeley) pennant carried by *Henry I* the last time. Mathison is looking for folks to come to the Fair or to be involved in the chase team.

President: (Sharon for Ken) The EBARC Executive Committee has been busy:

- Seeking a new meeting place; suggestions from members is actively sought.
- Centralizing web activity for the Club
- Finishing an inventory of all Club assets. (For insurance purposes the current insurable total is \$6,471.)
- Selling our old Drake linear amp and power supply for \$500.

Old Business: Nominations for 1st VP are open, but none surfaced. Nominations are carried to next month's general meeting.

Attendance: There were seventeen roster signers. There were a few others in attendance.

Closing: There being no further business, the business meeting was adjourned at 8:05 p.m. for refreshments.

Next Meeting: The next meeting will be at 7:30 pm on Friday, 11 October, 2019.

Presentation: Mathison did an excellent show and tell on the Raspberry Pi computer and its seven year progression to the current "4" version, which is far more robust and powerful than previous models. Several earlier models were also on display. There was also extensive discussion of the various operating

systems available for the Raspberry Pi. Several ham radio-specific uses for the Raspberry Pi were given, including as a repeater, APRS tracking, Packet radio, Ham shack automation, digital modes, autonomous satellite ground station operation, and more.

High Altitude Balloon Launch Mathison Ott, KJ6DZB

East Bay Mini Maker Faire is October 27th! Martin Rothfield, past member of the club, will launch a High Altitude Balloon (HAB) from the Faire. We will allow kids of all ages to decorate the radar reflector with streamers and paint pens. Stop by to sign the reflector and leave your name or message attached to the HAB before its flight to 100,000 ft. Learn how we will track it across the state of California. Volunteer to help track this balloon flight. (See <https://www.youtube.com/watch?v=gmPQXqMLfY&t=7890s>).

In past years a high frequency radio station and Yagi antenna were displayed at the East Bay Mini Maker Faire (see photos at <https://flic.kr/p/Z8dSys>). UHF and HF radio communication were also demonstrated. We even had a visit from the President of the ARRL in 2017.

Target launch is October 27th 2019 at Park Day School in Oakland. See Faire details at <https://eastbay.makerfaire.com/>.

Volunteer positions include; FAA liaison, launch crew, group chase & recovery, and ground recording (cross band radio payload).

We are looking for small or large donations to make this and future HAB flights possible. Please contact me, Mathison Ott, directly at mathisono@gmail.com.

[Editor's note: Mathison and other planners of this event have sadly been unable to acquire helium to inflate the balloon. They will unfortunately be replacing helium with

hydrogen. The use of hydrogen is not without risks. See <https://www.omicsonline.org/open-access/hydrogen-balloons-bright-colors-but-hidden-fire-hazard-99978.html>. It is recommended that a fire department safety person be present at the launch. The Executive Committee has agreed that this event is not sponsored by EBARC and does not support the use of hydrogen for the balloon. Donations should be made payable to Mathison Ott, 1416 Ninth St. #D, Berkeley, CA 94710. Prior and future HAB donations from EBARC meetings will be forwarded to Mathison. - Sharon Primbsch, EBARC 3rd VP and Bachelor of Science Chemist]

Don't miss Pacificon 2019 Oct. 18-20 in San Ramon! For all the excitement, see <http://www.pacificon.org/>.

balderdash, n. a rapidly-receding hairline

Future Bay Area Events

- Current Bay Area Public Service Events: See www.ebarc.org, click on "Current Events", then scroll to "Calendar of Bay Area Ham Radio Public Service Events."
- EBARC, ORCA, and ARCA sponsor joint ARRL VEC Amateur Radio Test Sessions quarterly at 9 a.m. in the Media Room, 1605 Martin Luther King Jr. Way (at 16th St.), Oakland. The remaining test date for 2019 is Oct 27. The fee for 2019 is still \$15. Info: 510-918-4627 or 510-741-8227.
- East Bay Section ARRL ARES; arrl.volunteerhub.com/lp/eb. CoCoCo ACS Training: Details from "DJ" djovida, KJ6DJ, kj6dj@arrl.net, (415) 215-6658, or via RACES net, 6:45 p.m., Thursdays on 145.11 MHz.

The East Bay Amateur Radio Club, founded in 1947, is a California non-profit organization of amateur radio operators in Contra Costa and Alameda counties. The club is open to anyone interested in amateur radio. Annual dues are \$30 for individual membership, \$35 for a family membership, and \$10 for students K-12. For information, send email to ebarc.w6cus@gmail.com, contact any EBARC officer, see Web page www.ebarc.org, or write EBARC, P.O. Box 1393, El Cerrito, CA 94530. You can also follow us on Twitter using @w6cus, or on Facebook's "East Bay Amateur Radio Club."

2019 East Bay Amateur Radio Club Executive Committee

Ken Fowler, KO6NO, President	222-0830
1 st VP - Program Chair	
Craig Hauger, KI6EMD, 2 nd VP - Hospitality.....	672-8382
Sharon Primbsch, AA6XZ, 3 rd VP - Membership / <i>Blown Fuse</i> Editor.....	741-8227
Robin Spalding, N6RLS, Secretary / Twitter	528-1144
Maria Hauger, KI6ENT, Treasurer / Finance Committee Chair	672-8382
Mathison Ott, KJ6DZB, Member-at-Large / Field Day Chair	701-0234
Todd Teachout, KM6HFU, Member-at-Large.....	799-6051

2019 EBARC's Other Committee Heads and Contacts

W6CUS Trustee; Jack Burris, K6JEB.....	415-305-2547
Club Station Manager; Stanton Gleason, KD6SWU.....	385-4044
Education	
Webmaster, Facebook, & Meetup	
Social & Digital Committees Chair	
RFI Committee Chair.....	
Historian	

AMATEUR RADIO NETS

NET	DAYS	LOCAL TIME	FREQ, MHZ
West Contra Costa EMCOMM Net	Thurs	1845 (PL 82.5-)	145.110
KARO/ECHO ARES/RACES(ACS) Net	Thurs	~1900 simplex	146.415
EBARC "Explore Net" (HF)	Mon	1930 (USB)	28.425
NALCO RACES/ARES Net	Thurs	1915 (PL 131.8+)	440.900
Oakland ARES Emergency Communications Net	Thurs	1930 (PL 77-)	146.880
Contra Costa Communications Club Net	Thurs	1930 (PL 82.5-)	145.110
Tech Net	Thurs	2000 (PL 82.5-)	145.110
"Over the Hill Gang" Breakfast/Commute Net	Mo-Fr	0710 (PL 82.5-)	145.110
Northern Calif. Net VHF Session (traffic)	Daily	1930 (PL 107.2-)	145.410
"QRM Net"	Tues	1930 (PL 82.5-)	224.300
9 a.m. Talk Net	Mo-Fr	0900 (PL 100.0-)	145.230
Youth Net	Sat	1400 (PL 100.0-)	145.230

ACS West CoCoCo: "DJ" djovida, KJ6DJ, kj6dj@arrl.net, (415) 215-6658.
Frequencies: #1=145.110, #2=147.570s.

HAM RADIO OUTLET

MULTI-STORE BUYING POWER!

ICOM



IC-7610
All Mode Transceiver



IC-7300
HF Transceiver



IC-7100
All Mode Transceiver



ID-5100A Deluxe
VHF/UHF Dual Band Digital Transceiver



ID-51A Plus2
VHF/UHF D-STAR Portable

KENWOOD



TS-590SG
HF/50MHz Transceiver



TM-D710G
2M/440 Dualband



TM-V71A
2M/440 DualBand



TM-281A
2 Mtr Mobile



TH-D74A
2M/220/440 HT

YAESU
The radio



FT-991A
HF/VHF/UHF Transceiver



FTDX1200
100W HF + 6M Transceiver



FT-450D
A100W HF + 6M Transceiver



FTM-400XD
2M/440 Mobile



FT-70DR
C4FM/FM 144/430 Xcvr

**5 Ways
to Shop!**

- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations

HRO is family owned and operated by active hams!

ANAHEIM, CA
(800) 854-6046
BURBANK, CA
(877) 892-1748

OAKLAND, CA
(877) 892-1745
SAN DIEGO, CA
(877) 520-9623

PORTLAND, OR
(800) 765-4267
DENVER, CO
(800) 444-9476

PHOENIX, AZ
(800) 559-7388
ATLANTA, GA
(800) 444-7927

MILWAUKEE, WI
(800) 558-0411
NEW CASTLE, DE
(800) 644-4476

WOODBIDGE, VA
(800) 444-4799
SALEM, NH
(800) 444-0047

PLANO, TX
(877) 455-8750
ONLINE STORE
WWW.HAMRADIO.COM