

THE EAST BAY AMATEUR RADIO CLUB, INC.

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# THE BLOWN FUSE

CLUB STATION W6CUS

VOLUME LXV NUMBER 4

APRIL 2017

## EBARC Meeting

April 28, 2017, 7:30 p.m.

"Amateur Radio on Satellites"

Alan Bowker, WA6DNR

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 Jay Sparks, KJ6HSH, at 384-4233.



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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 May issue: Tue., May 2<sup>nd</sup>

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

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### MEETING VENUE AND DATE CHANGE!

Because the El Sobrante Library will be unavailable for our meetings for the next few months we've found another nearby location. We will be meeting at the El Sobrante United Methodist Church on the 4th Friday of each month from January through April or May. (NOTE DATE CHANGE TOO). The location is:

**El Sobrante United Methodist Church**  
**670 Appian Way, El Sobrante**

**Parking entrance is opposite 5156 Argyle Rd.**  
**GPS coordinates: 37.981938, -122.294720**

**Directions: from the center of I-80 and the Appian Way exit, it is 1.0 miles to Appian and Argyle Rd. (If you get to the El Sobrante Post Office on your right, you have gone too far.) Turn left onto Argyle Rd., pass the parking lot on your right, then enter the lot on your left.**

In May we might be able to return to our usual location and schedule, i.e., the El Sobrante Library on the 2nd Friday of each month.

## President's Message

### Jay Sparks, KJ6HSH

After a much delayed launch, the HENRY-1 balloon took flight on March 18th. Hot on the chase were several EBARC members and Cal students. The successful recovery promises fun visuals, and those of you who attended last month's meeting were treated to the details.

Next on the calendar is helping the Grizzly Peak Cyclists on May 7th. Randy has stepped down as coordinator, and volunteer help is needed and always welcomed. Contact Randy ASAP at [ka6bqf@arrl.net](mailto:ka6bqf@arrl.net) or 707-557-5521

EBARC's ARRL Field Day will again take place at Cesar Chavez Park in Berkeley. Ken will be coordinating. Contact Ken at 222-0830 or [ko6no@comcast.net](mailto:ko6no@comcast.net).

Please let any Board member know your thoughts on community outreach or other topics. A suggestion was made to contact private high schools in the area, for example Maybeck in Berkeley. Banners? Hat? T-shirts?

Again, our meetings at the El Sobrante United Methodist Church have been great! We might hold our May meeting back at the El Sobrante Library.

At the April meeting we will discuss proposed changes to the By-Laws. So that we don't take too much time away from our speaker, please review them in advance at <http://ebarc.org/pdf/bylaws-proposed-changes.pdf>. If you need a printed copy snail-mailed, contact Sharon. We'll vote on the changes at the May meeting.

Please come to April's meeting!

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

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## April 28<sup>th</sup> EBARC Meeting

Peter Hoffman, W6DEI

Our April 28th meeting will feature Alan Bowker, WA6DNR. Alan is heavily involved with the Amateur Radio on Satellites (AMSAT) group, having given presentations at their symposiums. He'll give us the latest information on what's going on with AMSAT, and perhaps some tips on how you can work the satellites to make long-distance contacts with your vhf/uhf handitalkie.

The June 2017 meeting will, as is traditional, be a Field Day organizing session. Even if you never participate in contests, this is the one "contest" you should make an exception for. More than competition, Field Day is about having fun, learning new stuff, and both personal and group satisfaction for a job well done. If your primary interest in ham radio is emergency preparedness there is probably no better training ground to practice your skills than Field Day. So please join us for the June meeting and the June 23-25 event itself.

## The HENRY-1 Balloon

The HENRY-1 High Altitude Balloon Launch went off without a hitch (well, very few anyway) on Saturday, March 18th 2017. It was a cooperative effort of UC Berkeley students and members of the Eastbay Amateur Radio Club. They felt it was deserving of a webpage, with an hour-by-hour narrative, photos, videos, and links to lots of sites with information about high altitude ballooning. There's a link on the "Breaking News" page of the EBARC website, or go there directly: <http://ebarc.org/hab.htm>

*[Thanks to this hard-working group for naming the project after silent key J. Henry Primbsch, KK6PH, to honor his work in scientific ballooning and his avid support of amateur radio. He would have been delighted! – Editor (& his widow), Sharon Primbsch]*

## Tech & General License Courses

Ken Fowler, KO6NO

Spring courses for Technician and General class ham licenses start April 11, 2017, eleven sessions each, at Alvarado School, 5625 Sutter St., Richmond, CA 94805

Preregister at the West Contra Costa Adult Education Office (in Serra School) or online at: <http://www.wccae.info/index.html> (preferred). Serra School's phone is (510) 231-1453. The WCCAE Class fee is \$15 for each class.

## Treasurer's Report

February 2017

Randy Jenkins, KA6BQF, Treasurer

### FEBRUARY GENERAL FUND<sup>1</sup>

Beginning Balance .....\$6,650.50

#### Income:

Renewals, Individual: KJ6HSH, KJ6WEQ,  
KG6ATH.....\$90.00  
Refreshment Kitty.....26.00  
Total General Income:.....\$116.00

#### Disbursements

PO Box Rental .....\$134.00  
Refreshments.....30.73  
Total General Expenditures.....\$164.73  
Ending Balance .....\$6,601.77  
(portion as petty cash..... \$56.01)

<sup>1</sup>\$100 earmarked for youth scholarships.

In May 2015 the club voted to contribute \$150.00 to Cal's Balloon Launch Project. We have not yet made that donation.

### FEBRUARY STATION FUND

Beginning Balance: .....\$1,585.69  
Total Station Income .....0.00  
Total Station Expenditures .....0.00  
Ending Balance .....\$1,585.69

## Future Bay Area Events

- Current Bay Area Public Service Events: See [www.ebarc.org](http://www.ebarc.org), click on "Current Events", then scroll to "Public Service."
- 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 16<sup>th</sup> St.), Oakland. The remaining test dates for 2017 are; Apr. 23<sup>rd</sup>, Jul. 23<sup>rd</sup>, and Oct. 29<sup>th</sup>. The fee for 2017 is \$15. Info: 510-918-4627 or 510-741-8227.

- CoCoCo ACS Training: Details from [mcmillan50y@yahoo.com](mailto:mcmillan50y@yahoo.com) 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 [ebarcw6cus@gmail.com](mailto:ebarcw6cus@gmail.com), contact any EBARC officer, see Web page [www.ebarc.org](http://www.ebarc.org), or write EBARC, P.O. Box 1393, El Cerrito, CA 94530. You can also follow us on Twitter using @w6cus.

## 2017 East Bay Amateur Radio Club Executive Committee

Jay Sparks, KJ6HSH, President.....	384-4233
Peter Hoffman, W6DEI, 1 <sup>st</sup> VP - Program Chair / Webmaster.....	684-6543
Ken Fowler, KO6NO, 2 <sup>nd</sup> VP - Hospitality / Club Station Mgr.....	222-0830
Sharon Primbsch, AA6XZ, 3 <sup>rd</sup> VP - Membership / <i>Blown Fuse</i> Editor.....	741-8227
Ron Antaki, KK6NDJ, Secretary.....	375-3756
Randy Jenkins, KA6BQF, Treasurer / Finance Committee Chair.....	707-557-5521
Member-at-Large (to be announced).....	
Member-at-Large (to be announced).....	

## 2017 EBARC's Other Committee Heads and Contacts

Jack Burris, K6JEB, W6CUS Trustee.....	415-305-2547
Club Station Manager, Stanton Gleason, KD6SWU.....	385-4044
Field Day Chair, Ken Fowler, KO6NO .....	222-0830
Silent Key Chair .....	
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 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

RACES, West CoCoCo: Mike McMillan, K6MCM, [mcmillan50y@yahoo.com](mailto:mcmillan50y@yahoo.com), phone 510 223-3052.  
Frequencies: #1=145.110-, #2=147.570s.

# HAM RADIO OUTLET

14 STORE BUYING POWER!

**ICOM**



## IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



## IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanking • USB Port for PC Control



## IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



## ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

## ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz\*\* • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



**KENWOOD**



## TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



## TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



## TM-V71A | 2M/440 Dualband

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



## TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

## TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



**YAESU**  
The radio



## FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz • SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/4440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



## FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



## FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



## FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

## FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

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

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OAKLAND, CA

(877) 892-1745

SUNNYVALE, CA

(877) 892-1749

PORTLAND, OR

(800) 765-4267

PHOENIX, AZ

(800) 559-7388

WOODBIDGE, VA

(800) 444-4799

PLANO, TX

(877) 455-8750

BURBANK, CA

(877) 892-1748

SAN DIEGO, CA

(877) 520-9623

NEW CASTLE, DE

(800) 644-4476

DENVER, CO

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Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.