

THE EAST BAY AMATEUR RADIO CLUB, INC.

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THE BLOWN FUSE

CLUB STATION W6CUS

VOLUME LXIV NUMBER 8

AUGUST 2016

EBCRC Meetings

August 12, 2016, 7:30 p.m.

"Direct Sampling SDR: ICOM 7300"

Alan Biocca, W6AKB



The East Bay Amateur Radio Club meets this month at the
El Sobrante Library, 4191 Apian Way, El Sobrante.

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.
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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 Sep. issue: Tues., Aug. 23rd

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

August 12th EBARC Meeting Peter Hoffman, W6DEI

**We'll meet in the community meeting room
at the El Sobrante Library, 4191 Appian
Way. Enter through the back door.**

Our August speaker is Alan Biocca, W6AKB. His topic is *Direct Sampling Software Defined Radios and the new Icom 7300*. This is the first direct RF sampling Amateur radio from a major manufacturer, and it is a game changer. With a 150 MHz analog-to-digital converter, it literally digitizes the RF coming from your antenna and processes it in a combination of FPGA, DSP and CPU chips. This amazing technology has some wonderful features and some limitations that he will discuss.

Extra Class VEs Wanted!

Our EBARC / ARCA / ORCA Volunteer Examiner team has lost a few members. If you have an Extra class license, and are available for quarterly Sunday morning test sessions in Oakland, please contact Sharon Primbsch, aa6xz@earthlink.net or 510-741-8227.

Treasurer's Report May 2016 Randy Jenkins, KA6BQF, Treasurer

MAY GENERAL FUND¹

Beginning Balance\$6,327.47

Income:

Refreshment Kitty.....\$40.00

Total General Income:.....\$40.00

Disbursements

Total General Expenditures.....\$0.00

Ending Balance\$6,367.47

(portion as petty cash..... \$80.00)

¹\$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.

MAY STATION FUND

Beginning Balance:\$1,786.79

Income:

Total Station Income\$0.00

Disbursements:

Storage Costs\$83.00

Total Station Disbursements\$83.00

Ending Balance\$1,703.79

General Meeting Minutes Friday, June 10, 2016

Randy Jenkins, KA6BQF, Acting Secretary

The meeting in the El Sobrante Public Library Meeting Room was called to order at 19:49 hours by President Jay Sparks. There was a sign-in sheet available. A round of introductions was the first order of business.

First Vice President Peter Hoffman reported that tonight's presentation will be by Ken Fowler KO6NO, on Field Day Planning. Peter

reported that Jim Coletto will speak in July on the Heard Island DXpedition.

Second Vice President Stanton Gleason had refreshments available.

Third Vice President Sharon Primbsch reported that there was one renewal. *The Blown Fuse* is going well.

Treasurer Randy Jenkins presented his finance report for May. May ended with \$6,367.47 in the general fund and \$1,703.79 in the station fund. There was \$40.00 income and \$83.00 expenses.

Secretary Ron Antaki was not present. Randy Jenkins reported that everything in the P.O. Box was junk mail. Randy took minutes.

Education – Ken reported on a class in the fall.

Public Events – Randy reported on the BSA FAGES II hike, June 4.

Ken reported on the Military – Amateur Crossband Test on May 14.

There was a report of an activation under SOTA by KJ6GLR next Sunday.

Next meeting: July 08, 2011.

There being no further business, the meeting was adjourned at 20:05.

Ken Fowler and Jack Burris presented a program on Field Day logging. There was a planning session for Field Day. Ken had sign-up sheets for Field Day.

Volunteers Needed in Marin

If you'd like to volunteer for the Marin Century bike ride on Saturday, August 6th, contact Randy Jenkins, KA6BQF, ka6bqf@gmail.com

Treasurer's Report

June 2016

Randy Jenkins, KA6BQF, Treasurer

JUNE GENERAL FUND¹

Beginning Balance\$6,367.47

Income:

Membership Renewals: KG6ATH ...\$30.00

New ARRL Membership: KJ6HSH ...111.00

Refreshment Kitty.....11.01

Total General Income:.....\$152.01

Disbursements

ARRL New Membership: KJ6HSH ...\$96.00

Total General Expenditures.....\$96.00

Ending Balance\$6,423.48

(portion as petty cash..... \$40.01)

¹\$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.

JUNE STATION FUND

Beginning Balance:\$1,703.79

Income:

Total Station Income\$0.00

Disbursements:

Storage Costs\$83.00

Total Station Disbursements\$83.00

Ending Balance\$1,620.79

EBARC Field Day 2016

Ken Fowler, KO6NO

EBARC had about 21 participants who helped with setup, support, and operating. Operating two transmitters on HF and one transmitter on VHF resulted in 251 CW contacts, 129 PSK contacts, and 363 Phone contacts for a claimed score of 2,246.

Our entry form is nearly complete except for forwarding the supporting documentation. ARRL will award bonus points after reviewing the documentation. About 950 Bonus Points were earned, so EBARC should have a total score of about 3200.

Webmaster Peter Hoffman, W6DEI, has posted 2016 Field Day photos: see <http://ebarc.org/photos.htm>

4Cs / EBARC Picnic!

The 4Cs / EBARC annual picnic is 11 a.m. to 3 p.m. on Sunday, August 14th at Miller/Knox Regional Shoreline on Dornan Dr. in Richmond. Look for antennas on cars! The cost is \$5 per person, to be paid at the event. Please RSVP to Burgie Jones, KE6MSF, at 510-964-1476 or burgie0001@yahoo.com, so we can plan ahead for food.

Also, if you wish to donate usable ham radio equipment to the 4Cs repeater fund, there will be a sale of these items at the picnic. Come to buy, sell, or just eat and have fun! Families are welcome.

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

Fall Ham Classes Ken Fowler, KO6NO

New ham radio license classes start this fall at West Contra Costa County Adult Education (WCCCAE). They will be held at Alvarado School, 5625 Sutter Ave. in Richmond. The Technician class meets Tuesday evenings, 6:30PM to 8:30PM, for 12 sessions. The General class meets Saturday mornings, 9:30AM to 11:30AM, for 12 sessions. The fee for classes is \$15 to WCCCAE. Books will be available in class for \$27. Contact WCCCAE at 510-231-1453 to register or check online at <http://www.wccae.info/>

Future Bay Area Events

- Current Bay Area Public Service Events: See 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 16th St.), Oakland. The remaining test date for 2016 is Oct. 23rd. The fee for 2016 is \$15. Info: 510-918-4627 or 510-741-8227.
- CoCoCo RACES Training: Details from 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, 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.

2016 East Bay Amateur Radio Club Executive Committee

Jay Sparks, KJ6HSH, President..... 384-4233
 Peter Hoffman, W6DEI, 1st VP - Program Chair / Webmaster..... 525-0694
 Stanton Gleason, KD6SWU, 2nd VP - Hospitality / Club Station Mgr..... 385-4044
 Sharon Primbsch, AA6XZ, 3rd VP - Membership / *Blown Fuse* Editor..... 741-8227
 Ron Antaki, KK6NDJ, Secretary..... 375-3756
 Randy Jenkins, KA6BQF, Treasurer / Finance Committee Chair..... 526-4089
 Robin Spalding, N6RLS, Member-at-Large..... 528-1144
 Ken Fowler, KO6NO, Member-at-Large..... 222-0830

2016 EBARC's Other Committee Heads and Contacts

Jack Burris, K6JEB, W6CUS Trustee..... 415-305-2547
 Field Day Chair, KO6NO, Ken Fowler..... 222-0830
 Silent Key Chair
 Awards 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, 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 Blanker • 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/440: 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
- MAIL – All store locations

ANAHEIM, CA
(800) 854-6046

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
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

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.