

Section Manager
East Bay Section Newsletter
November, 2022

ARRL East Bay Family,

Pacificon was a success again this year, considering that we're still in recovery stage from the pandemic. Agreed, they did not fill all vendor booths, and attendance was lower. But it was much busier than last year and the vendors were happy with the outcome, as were most attendees. Most forums were well attended, as was the vendor hall, the Wouff Hong ceremony and the Banquet. Their outstanding keynote speaker was Dr. Seth Shostak from the SETI Institute. The ARRL Forum Sunday afternoon was also well attended.

The ARRL pulled out all the stops to support Pacificon, sending what may be a near record number of officials. Joining all of us were the President of the Board of Directors and his wife, two vice-presidents, three Division Directors, the ARRL CEO, the Director of Public Relations and Innovation, the Manager of Membership; the Manger of Education & Learning and his wife, and most of the Pacificon Division Section Managers. Also, there was Dave Casler, KE0OG, the author of the Ask Dave column in QST and major ham radio YouTuber. All of them were available at one time or another for attendees to personally meet and discuss ham radio and the League. I mention the two wives that joined us because they didn't come just to hang out. Both spent the full weekend working in the ARRL booth, helping with membership renewals, talking about ways to attract young people to our craft and much more. Such is the dedications of ARRL families.

And don't forget to enjoy that extra hour of sleep this Sunday night. Daylight Saving Time ends Nov. 6, when 2:00 AM magically becomes 1:00 AM again. Don't you love time travel?

Veteran's Day is Friday, Nov. 11. Please remember our vets, that have given so much to keep us free.

Happy Thanksgiving!

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Section & Division News:

* North Bay Amateur Radio Association (NBARA) Anniversary

October 2, 2022 was NBARA's 75th anniversary of affiliation with the ARRL. Based in Vallejo, with its meetings held in nearby American Canyon, NBARA serves the City of Vallejo's Fire Department Community Emergency Response Team (CERT), and City of American Canyon Community Emergency Response Team (CERT) in the event of disasters, emergency or damage to normal communications. Get details from their website at (<https://nbara.org/>). Congratulations, NBARA!

* Marin Radio Communications Volunteers

A new pilot program by the Marin County Department of Public Works was established to work on a solution to the problem of communications during an emergency when the power is out. A key participant in the program is the Marin Amateur Radio Society (MARS). Currently in the proof-of-concept stage, its goals include assisting served agencies in resolving problems with supply logistics and general assistance. See the complete article at (<http://www.arrl.org/club-news?issue=2022-10-18#toc03>).

* Submit Your Story to Club News

By the way, the above information was published in a recent edition of the ARRL Club News, an email newsletter by and for clubs. It depends on submissions from clubs around the nation. Please consider submitting an article about your club's projects. Send it to (clubs@arrl.org).

* EmComm Nets in the Section

A Section member suggested some time back that I highlight some Emergency Communications nets in the Section, to attract more check-ins. So, here's several nets I'm aware that focus on EmComm. Look 'em up and check in.

-- Sunday

6:35 PM: Disaster Communicators Forum; WW6BAY, 443.975 MHz, + Split, PL = 100

-- Wednesday

6:45 PM: West Contra Costa County-ARES/RACES Net; WD6EZC; 145.110 MHz, Split, PL=82.5

8:00 PM: Concord Amateur (Auxiliary) Radio Emergency Service (CARES); 147.405 MHz Simplex, PL=127.3 Hz

-- Thursday

6:30 PM: Contra Costa HF Emergency Communications Net; 3893 KHz +/- 5 KHz LSB

6:45 PM: West Contra Costa County EMCOMM Net; WA6KQB; 145.110 MHz, - Split, PL= 82.5 Hz

6:45PM: Martinez Emergency Net; 146.505 MHz Simplex

7:00PM: KARO/ECHO ARES/RACES Net; 146.415 MHz Simplex

7:15PM: Northern Alameda County (NALCO) ARES/RACES; N6BRK; 440.900 MHz, + Split, PL = 131.8 Hz

7:20PM: Contra Costa County-Wide EMCOMM Net; WA6HAM; 145.490 MHz, 147.735 MHz & 145.410 MHz (Linked); - Split, PL = 107.2

7:30PM: Oakland ARES Emergency Communications Net; WB6NDJ; 146.880 MHz; - Split, PL = 77 Hz

Saturday:

9:00AM: Bay Area EmComm Net; WA6KQB; 145.110 MHz, - Split, PL= 82.5 Hz

Please note that some of this information was obtained long ago and may have changed. If you see an error or omission, please let me know, but be sure to include an authoritative source, such as the organization's website.

[Thankx to Don, NI6A, for the suggestion.]

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ARRL News:

* ARRL Executive Committee Meeting

The ARRL Executive Committee met on September 12, 2022. The Executive Committee is a subset of the Board of Directors and handles the business of the League between Board meetings. The minutes of the meeting are at ([http://www.arrl.org/files/file/EC Meeting 09_12 \(Final Draft\).pdf](http://www.arrl.org/files/file/EC%20Meeting%2009%2012%20(Final%20Draft).pdf)).

* Yuma Hamfest Cancelled

The 2023 Yuma Hamfest & Southwestern Division Convention, normally held in February of each year, has been canceled. Per their website at (<https://www.yumahamfest.com/>), it's due to "silent keys, a diminished volunteer pool, increased costs, and other factors."

* Training for Club Officers and Members

The League is working on developing a series of webinars to offer training for the skills needed to build and run a successful club. Topics will include leadership, activities, finance, and recruiting. We're looking for instructors to help with building the training; and for members that can present in a standard format and have the skills necessary to do the training. See the full item at (<http://www.arrl.org/club-news?issue=2022-10-18#toc05>).

* Suggestions for Clubs

The October 18 edition of the ARRL Club Newsletter offers a few suggestions for improving club membership and participation. The suggestions include a free year's membership to newly licensed hams; distributing your used QST and other magazines around businesses you visit, such as the doctor, barber shop and auto repair place; having promotional brochures about the organization at all test sessions. See the full details at (<http://www.arrl.org/club-news?issue=2022-10-18#toc06>).

* Quartzfest

Mark your calendars now for Quartzfest, scheduled for Jan. 23-28, 2023 in Quartzsite, AZ. Details will be posted on their website as they're developed. See (<http://quartzfest.org/>).

* ARRL Sweepstakes

The annual ARRL Sweepstakes is this month, with the CW leg this weekend, November 5-7. The phone leg will be November 19-21. The Sweepstakes is the "oldest domestic contest, beginning in 1930" with competition at the individual, team, and club levels. In this contest, multipliers are the 84 ARRL and RAC Sections; each may be worked once in the contest, regardless of band. Contacts may be made on 160, 80, 40, 20, 15, and 10 meters, but because multipliers may only be worked once, activity tends to cluster on the bands that are open and populated. See (<https://www.arrl.org/sweepstakes>) for details and all the rules.

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Government News

* EOC How-to Quick Reference Guide

FEMA has published the updated "EOC How-to Quick Reference Guide", a collection of best practices that will contribute to developing an EOC that can successfully meet the jurisdiction's needs. It covers topics such as hazard vulnerability assessments, physical site selection, mitigation considerations, EOC capabilities and requirements, information management systems, and training and exercises. To download a PDF copy, go to (https://nks.gd/l/eyJhbGciOiJIUzI1NiJ9.eyJidWxsZXRpbl9saW5rX2lkIjoxMDIsInVyaSI6ImJwMjpbGljayIsImJ1bGxldGluX2lkIjoiMjAyMjEwMTEuNjQ5NTM3MTEiLCJ1cmwiOiJodHRwczovL3d3dy5mZW1hLmdvdi9zaXRlc9kZWZhdWx0L2ZpbGVzL2RvY3VtZW50cy9mZW1hX2VvYy1xdWljay1yZWZlcmVvY2VfZ3VpZGUucGRmIn0.tqGxUAAtF2D_jmomLaGetpNmFqY13hNAM-tWA3Ahjm-Q/s/131030018/br/145552398039-1) [PDF, 99 pages]. (By the way, for those new to EmComm, "EOC" = Emergency Operations Center; and "EmComm" is Emergency Communications.)

* SI Superheroes

The National Institute of Standards and Technology (NIST) has introduced some new videos about the Metric System aimed at kids. The animated comic-book-style videos feature the Measurement League: Guardians of the SI. The superhero team uses its SI measurement superpowers to fight against uncertainty, imprecision and inaccuracy. The videos are about 3 to 5-1/2 minutes long and help students learn how measurements improve the quality of our lives. Although aimed at pre-school and elementary school-age kids, I found them fun to watch. (What does that say about my mental age?) See them at (<https://www.nist.gov/education/si-superheroes-videos>). Also, if you know a teacher, let them know about these videos. ("SI" is the abbreviation for the official term for the Metric System, "International System of Units".)

The NIST has a lot more information to help kids and teachers learn about the Metric System and standards in general. It's at (<https://www.nist.gov/education>). And a recent NIST blog entry offers "Top 10 Tips for Teaching the Metric System" (<https://www.nist.gov/blogs/taking-measure/top-10-tips-teaching-metric-system>).

Other News:

* ARISS Contact Opportunity

The Amateur Radio on the International Space Station (ARISS) has opened a new window to accept ARISS Education Proposals. The deadline to submit a proposal is November 13, 2022. If you know of an educational organization that may be interested in having their students talk to an astronaut in space, have them get details at (<http://ariss.org/>).

* Winlink Semi-Annual EmComm Drill

The EmComm Training Organization (ETO) will hold its semi-annual Winlink EmComm drill on November 12. It's open to all participants who have or would like to build skills for digital radio messaging essential for emergency communications for any served agency. The organization recognizes the varied levels of skill with Winlink. Thus, simple and introductory tasks have been designed with a progression to more complicated messaging. For details in the ARES Letter, go to (<http://www.arrl.org/ares-el?issue=2022-10-19>). For information on ETO and its weekly exercises, see (<https://emcomm-training.org/>).

* New Area Codes for the Bay Area

The California Public Utilities Commission (CPUC) announced that the new area code 350 will go into service as an

overlay code in the existing 209 area code region beginning November 28, 2022. The new code will serve parts or all of numerous counties in Northern California. The only county in the East Bay Section impacted by this change is Alameda. Existing phone numbers will not change, nor will the local calling areas. For details, see the CPUC's press release at (<https://www.cpuc.ca.gov/news-and-updates/all-news/cpuc-reminds-consumers-of-new-350-area-code-coming-to-the-209-area-code-region-09-28-2022>).

Also, the CPUC announced another new area code. Code 369 will be added as an overlay to the existing 707 area code region starting February 1, 2023. This 369/707 area serves a bunch of counties, including Napa and Solano in the East Bay Section. As with the 350 code, existing phone numbers will not change, nor will the local calling areas. For details, see the CPUC's press release at (<https://www.cpuc.ca.gov/news-and-updates/all-news/cpuc-reminds-californians-of-new-369-area-code-coming-to-707-region>).

* Ham To Become ITU Secretary-General

Doreen Bogdan-Martin, KD2JTX, of the United States, was elected as the next Secretary-General of the International Telecommunications Union (ITU). She will assume office on January 1, 2023. "This is an exciting development for ITU," said International Amateur Radio Union (IARU) President Tim Ellam, VE6SH. "...she will be the first female SG [Secretary General] and only the third to hold an amateur license." For the full ARRL article, including links to the ITU press release and a US Department of State statement, see (<http://www.arrl.org/news/doreen-bogdan-martin-kd2jtx-is-elected-as-next-itu-secretary-general>).

* Internet Archive Wants Ham Materials

The Internet Archive (<http://archive.org/>) has begun gathering content for the Digital Library of Amateur Radio and Communications (DLARC), which will be a massive online library of materials and collections related to amateur radio and early digital communications. The library will be a free online resource that combines archived digitized print materials, born-digital content, websites, oral histories, personal collections, and other related records and publications. The DLARC project is looking for partners and contributors with troves of ham radio, amateur radio, and early digital communications related books, magazines, documents, catalogs, manuals, videos, software, personal archives, and other historical records collections, no matter how big or small. In addition to physical material to digitize, they're looking for podcasts, newsletters, video channels, and other digital content that can enrich the DLARC collections. Get details at (<https://blog.archive.org/2022/10/04/internet-archive-seeks-donations-of-materials-to-build-a-digital-library-of-amateur-radio-and-communications/>).

[Thankx to Greg, K6XSS, for the information.]

* Getting a "Head" on Screws

An item in a recent ARRL Contest Update newsletter led me to this Wikipedia page (https://en.wikipedia.org/wiki/List_of_screw_drives) about the various types of screw drives. I've driven my share of screws in my day, but was amazed at the number of different screw heads this page listed. I counted some 57 different types for screw heads described on the page. If you have a warped curiosity like I do, or just need a cure for insomnia, have a look.

* Learning Software Defined Radio (SDR)

Harvey Mudd College has published a 23-lesson video lecture series, "Learn SDR with Professor Jason Gallicchio," on YouTube. The series of lectures are highlighted by demonstrations of the theory with actual RTL-SDR hardware. The lectures start with FM reception and proceed through on-off keying, phase-shift keying (PSK), doppler radar, digital symbol recovery, and GPS reception. The RTL-SDR receiver is an inexpensive USB-based receiver that was originally intended for DVB-T (Digital Video Broadcasting-Terrestrial) reception, but now finds application in hundreds, if not thousands, of SDR-related projects. The lecture series is available at: (https://www.youtube.com/watch?v=tj_9p_rXULM&list=PLywxmTaHNUNyKmgF70q8q3QHYIw_LFbrX).

* An Alternative to GPS

An article in the MIT Technology Review reports that a number of university researchers have figured out how to use Starlink signals as an analog for GPS. They did so by decoding Starlink signals and reverse engineering the data streams in a way that doesn't compromise the privacy of the content. One of the teams from Ohio State University has gone even farther, constructing a framework they're calling cognitive opportunistic navigation, which will observe and decode arbitrary signals from an orbiting satellite to be able to accurately determine the receiver location on Earth. And even

better - - Elon Musk can't stop them. See it at (<https://www.technologyreview.com/2022/10/21/1062001/spacex-starlink-signals-reverse-engineered-gps/>).

Hamfests And Special Events:

*** Division Hamfest Reminders**

None scheduled

*** Special Events In or Near our Division**

-- October 29-November 6:

Spruce Goose 75th Anniversary of Flight. 1700Z-2359Z, W6HA/W6HA/7, Torrance, CA. Hughes and McMinnville Amateur Radio Clubs. SSB: 3.833 7.233 14.233 21.333 28.333; CW: 3.533 7.033 14.033 21.033 28.033; 445.620 PL 127.3; 146.52 on 146.550. See (www.w6ha.org).

-- November 11:

Celebrating Veterans Day 1800Z-2300Z, W6VET, Redding, CA. Redding Veterans Amateur Radio Club. 14.320 21.383 146.550. QSL. Redding Veterans Amateur Radio Club, c/o Michael Vancleemput K6WK, 3400 Knighton Road, Redding, CA 96002. QSL cards appreciated, no SASE required. (<https://www.qrz.com/db/w6vet>).

-- November 12:

Veterans Day (11/11/19) and USMC Birthday (11/10/1775) Commemoration. 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 14.070 PSK31 DSTAR on PAPA repeaters. QSL. USS Midway Museum COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101. (www.qrz.com/db/ni6iw).

-- November 19:

November Bug Roundup. Sacramento, CA. Samuel F. Morse Amateur Radio Club. 14.045 MHz. See (<https://w6sfm.com/bug-roundup/>).

-- December 10:

Pearl Harbor Remembrance Day (12/7/41). Dec 10, 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 14.070 PSK31 DSTAR on PAPA repeaters. QSL. USS Midway Museum COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101. (www.qrz.com/db/ni6iw)

Search for all Special Event Stations nationwide at (<http://www.arrl.org/special-event-stations>)

Significant Events in Telecomm History – November

** Note: Send me the date and location your club was founded, so I can add it to this list. **

- 11/02/1920 Radio station KDKA in Pittsburgh, PA broadcast the Harding-Cox presidential election results, becoming the first commercially-licensed radio broadcast station. But college station 2ADD (now WRUC) beat it on the air by almost 3 weeks.
- 11/03/1906 The first international standards for ship-to-shore communication, including the distress call which came to be called "SOS", was signed into international law at the first International Radiotelegraph Convention in Berlin.
- 11/5/1879 James Clerk Maxwell died in Cambridge, England, United Kingdom at age 48.
- 11/07/1967 President Lyndon B. Johnson signed the Public Broadcasting Act, creating the Corporation for Public Broadcasting.
- 11/08/1988 The first amateur radio contact aboard the Russian space station Mir occurred, between Leonid Labutin, UA3CR and Musa Manarov, U2MIR.
- 11/09/1914 Hedy Lamarr, major movie star and co-inventor of the spread spectrum frequency hopping technology, was born in Vienna, Austria-Hungary.

- 11/18/1997 The Institute of Electrical and Electronics Engineers (IEEE) standard "IEEE 802.11-1997; IEEE Standard for Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications" was first published. The 802.11 series of standards came to be popularly known as Wi-Fi.
- 11/20/1919 The Radio Corporation of America (RCA) was formed as a radio communications subsidiary of General Electric, reorganized from the Marconi Wireless Telegraph Company of America.
- 11/22/1948 Federal frequency & time signal radio station WWVH was launched in Kihei on the island of Maui, then the territory of Hawaii.
- 11/23/1993 The FCC specified a stereo standard for AM radio.
- 11/24/1890 Edouard Branly discovered radioconduction, observing that an electromagnetic wave changes the ability of metal filings to conduct electricity, leading to the first practical wireless signal receivers.
- 11/28/1983 The first amateur radio to go into space, a handheld, was carried aboard the Space Shuttle Columbia by astronaut Owen Garriott, W5LFL.

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New Hams:

KN6VUB	Jason Weaver	Pleasant Hill
KN6VUA	Elizabeth Creager	El Cerrito
KN6VSB	Anthony Yin	Fremont
KN6VSM	Cindy Bautista	Fremont
KN6VRZ	Khai Nguables	Castro Valley
KN6VWY	Alfredo Aguirre Valdez	Livermore
KN6VRT	Elmo Mangaoang	Fremont
KN6VSK	Haoquan Yan	Fremont
KN6VXN	Claudia Sonder	Napa
KN6VWU	Joan Schwehr	Napa
KN6VWZ	Julie Garrett	Napa
KN6VXD	Don Clyde	Napa
KN6VWK	David Griffin	Napa
KN6VWR	Rodney Skillings	Napa
KN6VUC	Mark Churchill	San Ramon
KN6VTZ	Kenneth Nicholson	San Ramon (General)
KN6VUR	Case Larsen	Union City
KN6VYS	Reza Eghbali	Union City (General)
KN6VRV	John Robert Mendoza	Vallejo
KN6VXA	Annette Laverty	Oakland
KN6VYV	Man Chun Wong	Berkeley
KN6VYG	Justin Lee	Berkeley
KN6VTC	James Marks	Kensington
KN6VTY	Edna Warnecke	Kensington
KN6VZF	Krishna Mandal	Berkeley
KN6VZG	Linjay Zeng	Berkeley
KN6VYK	Noah Sedlik	Berkeley
KN6VYX	Leah Rosenthal	Berkeley

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New Upgrades:

KN6VDZ	Jack Bowen	Alamo (General)
N6LSU	William Schardt	Pleasant Hill (Extra)
KG6ZYK	Toshiaki Yoshino	Fremont (Extra)
KN6VPQ	Evelyne Murca	Hayward (General)
KJ6DSN	Joe Guzman	Hercules (General)
KN6VDL	Brent Floyd	Moraga (General)
KM6PEC	Koji Hirai	Dublin (General)
KJ6DYQ	Israel Capuyan	Richmond (General)

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Until next time, remember that the East Bay Section team is here to serve you, the hams of the East Bay. If you have a question or a problem concerning ham radio, don't hesitate to contact us.

Mike Patterson, N6JGA

ARRL East Bay Section Manager

N6JGA@ARRL.org

<https://www.arrleb.org>

East Bay Section Discord: <https://discord.gg/DNAAfC7hax>

ARRL HQ Help Desk: 888-277-5289 or hq@arrl.org

Index of Contacts at ARRL HQ: <http://www.arrl.org/contact-arrl>

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