

Section Manager
East Bay Section Newsletter
January, 2024

ARRL East Bay Family,

The 2023 all-year event Volunteers On the Air (VOTA) is now complete. I hope all of you had a chance to participate. A quick look at the VOTA Leaderboard, as of Jan. 1, 2024, shows the top point-getter overall is Robert Heath, K1RH, in Westminster, Maryland; with 24,622 QSOs earning him 193,319 points. The number one rank in California, at no. 7 overall, is Rick Darwick, N6PE, of Yorba Linda, CA with 19,963 QSOs and 148,525 points. But for us, the big winner is Guy Mallery, W6MSU from Stockton, CA. He's the number one person in the East Bay Section (and the Pacific Division!), coming in no. 10 overall (4th in the USA) with 29,049 QSOs and 142,279 points. Considering there's 9 sections in California and 71 nationwide, that's an outstanding job to come in 10th overall. Especially when 4 of those top 10 callsigns are W1AW regional activations and 2 more are Caribbean club calls, not individuals. Congratulations, Guy!!

Check out where you are on the VOTA Leaderboard at (<https://vota.arrl.org/leaderboard.php>). We won't talk about where I am on the list...

The Mt. Diablo Amateur Radio Club was founded on 01/09/1947, a youthful 77 years ago. Congratulations, MDARC!

Congratulations and thank you to the San Leandro Radio Club and the Livermore Amateur Radio Klub (LARK) for becoming affiliated with the ARRL on January 16, 1974 and January 18, 1964, respectively. That's 50 years for San Leandro and 60 years for LARK!

I hope your Christmas was quite Merry and your New Year's celebration worth the hangover. Now the long holiday drought begins. Easter isn't until March 31st.

* Question:

Which of the following one-way transmissions are permitted?

- A. Unidentified test transmissions of less than 10 seconds in duration
- B. Transmissions to assist with learning the International Morse code
- C. Regular transmissions offering equipment for sale, if intended for amateur radio use
- D. All these choices are correct

(See the last page for the answer.)

Section & Division News:

* Pacific Division Meeting

Our Pacific Division Director, Kristen McIntyre, K6WX, normally holds her annual Division membership meeting in early-mid December. Kristen has advised that she decided to postpone her meeting this time until late January-early February. The reason is that she expects a lot of business to be conducted at the next ARRL Board meeting in mid-January, and will have more to report on after that meeting. So be on the lookout for her meeting announcement later this month.

* Section Manager Election

Nominations for the Santa Clara Valley Section Manager are open. If you know someone in that section that's interested in being the Section Manager, they need to consult the information at (<http://www.arrl.org/section-terms-nomination-information>). Included on that page is a link to the Section Manager Nomination Form, which will need to have at least

five valid signatures from ARRL members in the section. Other requirements apply. Submission deadline is 4:00 PM Eastern Time (1:00 PM Pacific), March 8, 2024. The elected manager will begin their term on July 1, 2024.

* Code Proficiency Recipient

The January QST has a list of hams that have achieved proficiency in Morse code at various speeds over the last few months. Included on the list is Pacific Division ham Willaim Homsany, KG6COH (15 wpm). Congratulations, Willaim!

* East Bay Hams in the News

Jim KN6VTC and Ednalee KN6VTY in Kensington organized a neighborhood communication hub with both GMRS and ham radio operations during the October SET. They also wrote a great article about it that's been published in the Kensington Outlook newspaper (page 10). See it at (https://kensingtoncommunitycouncil.org/kensington-outlook/issues/outlook_dec_23_jan_24.pdf). (PDF, 7 pages)
[Thankx to Howdy, KE6BEE, via the KARO ECHO Newsletter.]

* East Bay Section Position Openings

Our East Bay Section team works hard to represent you to the League and the League to you. However, we're hampered by a persistent shortage in our ranks. Several positions remain open, despite our efforts to find qualified people to fill them. Of particular need is a Section Traffic Manager and a Public Information Coordinator. Other positions are also open, such as local area Emergency Coordinators and Net Managers. For information of all the positions in a Section organization, see (<https://www.arrl.org/field-organization>). If you are, or know someone who may be, interested in any of these positions, please contact me. My information is at the bottom of every newsletter and on page 16 of every QST.

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ARRL News:

* Board of Directors Meeting

The ARRL Board of Directors meets in Connecticut on the third weekend each January. That will be January 19-20 this time. Typically, participants arrive on Wednesday, committee meetings are held on Thursday, and the Board meets on Friday and Saturday. At that meeting, ARRL officers and members of the Executive Committee will be elected and official business of the League will be conducted. The Executive Committee is authorized to act on behalf of the Board between board meetings. The President and other officers are chosen for two-year terms at the January meeting in even numbered years. The agenda is available at ([https://www.arrl.org/files/file/Board Reports/Draft Agenda BOD 2024 \(SH F\).pdf](https://www.arrl.org/files/file/Board Reports/Draft Agenda BOD 2024 (SH F).pdf)). In addition to the above and other topics, the agenda includes "Proposals for amendments to Articles of Association and Bylaws". I'll be interested to learn what those are.

* VOTA: Badges on the Air

On December 17th and 31st. the League hosted a "VOTA Red Badges on the Air Event", encouraging all League officials, both paid and volunteer, to get on the air and provide an opportunity for Volunteers on the Air (VOTA) participants to boost their point total. I've been deficient in my VOTA participation for most of the year, due mostly to both equipment and time issues. I improved on the situation at Pacificon with my new toy and have been trying to catch up a bit with VOTA since then. So, I spent a good part of both days making as many contacts as I could, focusing on FT8. I made a total of 102 contacts during the morning of the 17th and 85 on the 31st. These are in addition to numerous other contacts made over the year. I think that's OK, considering that my antenna is essentially an NVIS* system. Another couple of decades and I might get the hang of this HF thing...

[*NVIS = Near Vertical Incident Skywave. See (https://en.wikipedia.org/wiki/Near_vertical_incidence_skywave)]

* New Guidelines for Communicating RF Safety

The ARRL RF Safety Committee, with their international counterparts at the Radio Society of Great Britain (RSGB), the Irish Radio Transmitters Society (IRTS), and the Swedish Society of Radio Amateurs (SSA), has developed a new set of guidelines to help amateurs interact with and talk to their neighbors about RF exposure. Per the Chairman of the ARRL RF Safety Committee Greg Lapin, N9GL, "Neighbors may be alarmed by some of the misinformation about RF safety that is available from a variety of sources. By following the exposure regulations from the Federal Communications Commission, we can be confident that our families and neighbors are safe." The direct link to the document "Helping Amateurs Interact with Neighbors Asking About Radio Transmissions" [PDF, 11 pages] is too long to include here, so go

to the League's RF Exposure page at (<https://www.arrl.org/rf-exposure>) and scroll down to the "ARRL RF Exposure Resources" section.

* Club Grant Program – 2024

Amateur Radio Digital Communications (ARDC) and The ARRL Foundation announced a three-year commitment with over \$2.1 million in combined funding to support scholarships for radio amateurs, radio technology for classroom teachers, and amateur radio club grants. About \$500,000 of that is earmarked for club grants. This year's program will be similar to the one in 2022, but there will be some updates. As in the past program, the grants are not for a club's general operating expenses. They're for projects that create significant impact beyond the applying club: transformative impact on Amateur Radio; creating public awareness and support for Amateur Radio; educational and training impact, for example. Full details will be released this Spring. In the meantime, if you've been thinking about such a project, get your plans in order so you can apply when the window opens. The Club Grant Program web page is at (<https://www.arrl.org/club-grant-program>). At the moment it still has the information from the previous program, but it should be similar to what's coming.

* ARRL National Convention 2024

Hamvention General Chairman Jim Storms AB8YK and the Hamvention team announced that the ARRL will be holding its National Convention at Hamvention in 2024. The dates are May 17-19, 2024 and will be at the Greene County Fair and Expo Center in Xenia, Ohio. Registration is already open, so start planning your trip. See (<https://hamvention.org/>) for details and to register.

[Thankx to Tom, WB8LCD for the information.]

* Club Information

January is the month when a lot of clubs have new officers beginning their terms of office. It's important that every affiliated club update their information on the ARRL website each year. This includes listing some of the officers, such as the president and club contact, so that potential new members and contact you. This information may only be updated by a currently listed club officer. If the listing is out of date and no officer is available to update it, contact (clubs@arrl.org) and ask to have the club's contact updated. There's now a new link on each club listing page, called Club Update Help, which provides instructions on how to update the club information. There are a few reminders:

1. Only club officers or contacts may change the information.
2. You must be logged into the ARRL website as a member to make any updates.
3. Remember to hit the submit button at the bottom of the page.

Updates make it possible to keep listings for clubs up to date and help new members find your club.

* Club Percentage of ARRL Membership

Along with the above item, one of the requirements to be an affiliated club is that at least 51% of the club members also be ARRL members. Of course, this number will change from year to year. If you're unsure what your percentage is, send a copy of your club roster to (clubs@arrl.org) and they can let you know who is an ARRL member and who is not.

* Kids Day

A reminder that Kids Day is this Saturday, January 6. It's a semi-annual event designed to promote Amateur Radio to our youth. Older hams are encouraged to share their station and love for Amateur Radio with their children or other young people. It will run from 1800 UTC through 2359 UTC (10:00 AM to 3:59 PM Pacific Time). Get details at (<http://www.arrl.org/kids-day>).

* Contest University

Registration for Contest University (to be held May 16, 2024, at the Hope Hotel in Dayton, Ohio) is now open. Now in its 15th year, this event is held the day before the opening of the annual Hamvention and is popular enough to suggest early registration to be able to receive the day's printed handouts. Materials from previous years are available on the Contest University website. Get details at (<http://contestuniversity.com/>).

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Government News

* Symbol Rate Restriction Removal Effective This Month

Last month I talked about the FCC's vote to eliminate our longstanding symbol rate (i.e., "baud rate") restriction, in favor of a bandwidth rule. Following normal procedure, the new rule becomes effective 30 days after publication in the Federal

Register. The rule was published on December 07, so the rule will be effective on January 8, 2024. The Federal Register version of the rule is available at (<https://www.federalregister.gov/documents/2023/12/07/2023-26770/amateur-radio-service-rules-to-permit-greater-flexibility-in-data-communications>).

[Thankx to Dave, W4DNA, for the tip.]

* Symbol Rate Restriction Removal for Other Bands

Recall that the above new rule only covers the HF bands, and there were some allocation changes during the years that the petition was left hanging. So the FCC also created a new procedure to remove the symbol rate restriction on the bands not included in the original procedure. The comment period is now open for the new procedure until January 8, 2024. Replies to comments are due no later than January 22, 2024. The proposed new rule is at

(<https://www.federalregister.gov/documents/2023/12/07/2023-26769/amateur-radio-service-rules-to-permit-greater-flexibility-in-data-communications>). To comment on the proposal, go to that page and click on the green “Submit a Formal Comment” button on the upper right of the page. The ARRL news item on both of these topics is at (<http://www.arrl.org/arrlletter?issue=2023-12-07#toc02>).

* 40 Years of Amateur Radio in Space

Melissa Gaskill, a science author from Austin, Texas, has written a comprehensive review about the 40-year history of amateur radio in space. In her article, "Ham Radio in Space: Engaging with Students Worldwide for 40 Years," Gaskill explores the Shuttle Amateur Radio Experiment (SAREX), which is now known as Amateur Radio on the International Space Station (ARISS). The article is at (<https://www.nasa.gov/missions/station/iss-research/ham-radio-in-space-engaging-with-students-worldwide-for-40-years/>).

* Webinar on the First Use of Ham Radio in Space

Along with the above item, recall that Astronaut Owen Garriott, W5LFL (SK), made history during the STS-9 Space Shuttle Columbia mission with the first amateur radio contact from space on December 1, 1983. Garriott's son, Richard Garriott, who operated amateur radio during a short-term mission on the ISS in 2008, presented a special webinar on December 7, 2023 to discuss his father's first historic mission. The presentation is available to watch on the ARISS YouTube channel at (<https://www.youtube.com/c/ARISSlive>) [YouTube, 01:01:02].

* Good News from the WRC

The World Radiocommunication Conference (WRC) I've discussed in several previous newsletters finished its work in Dubai on December 15 and reached a good decision on the topic of most interest to hams; that being an agenda item concerning whether ham radio transmissions may interfere with Radio Navigation Satellite Services (RNSS) in the 23-centimeter band (1240-1300 MHz) (e.g., GPS systems). Rather than impose more restrictions on our use of the band (or worse), they decided on a well-supported compromise for a footnote in the Radio Regulations regarding amateur and amateur satellite service operation in the 1240-1300 MHz range. The footnote reminds administrations and amateurs of the need to protect the primary RNSS from interference, and it provides guidance for administrations to allow both services to continue to operate in this portion of the spectrum. We can all thank the International Amateur Radio Union (IARU) for their heavy involvement in negotiating a good resolution this this question. For more details, see the ARRL news item at (<https://www.arrl.org/news/wrc-23-reaches-acceptable-conclusion-on-23-centimeter-issue>).

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Other News:

* Questions Removed from the Question Pool

As mentioned above, the FCC has at long last approved the elimination of the symbol rate restrictions, allowing us to use a 2.8 KHz bandwidth instead. As a result, the National Conference of Volunteer Examiner Coordinators (NCVEC) Question Pool Committee (QPC) has removed two General-class license questions because they're no longer correct. General-class questions G1C08 and G1C10 are withdrawn from the pool effective immediately and should be removed from examinations as soon as possible. Updated question pool files, including the errata and new information, have been posted on the NCVEC General-class question pool web page at (<http://www.ncvec.org/page.php?id=369>). The current Element 3 General question pool became effective on July 1, 2023, and it's valid through June 30, 2027. The ARRL VEC advises the community to regularly check the NCVEC website at (<http://www.ncvec.org/>) for updates to the question pools, which may include errata and withdrawn questions. If you're an ARRL VE Team leader and have not received instructions on how to correct your question booklets, contact the ARRL VEC staff at 800-927-7583 or (VEC@arrl.org).

* Extra Class Question Pool Expiring

Speaking of question pools, the current Extra Class question pool will expire this June 30, with the new one becoming effective July 1. So if you've been thinking of upgrading to Extra and have a book, now's the time, before the book expires. Both the current and new Extra Class question pools are available for download at (<https://www.ncvec.org/>).

* Solar Flares Continuing

An item in last month's newsletter discussed the "temper tantrums" that the sun has been having. It seems it's still going on, and they've become big enough that the mainstream media even had a story on the disruption of radio communications. The Associated Press put out a story on December 15 about a flare the day before that caused "two hours of radio interference in parts of the U.S. and other sunlit parts of the world" and that "it was the biggest flare since 2017, and the radio burst was extensive, affecting even the higher frequencies". See the AP story at (<https://apnews.com/article/solar-flare-sun-nasa-eb3389b4e41955c3292b9c917a5667dc>). A slightly more techy version of the story is at (<https://www.space.com/sun-x-flare-december-2023-most-powerful-since-2017>).

* Winter Field Day

A reminder that Winter Field Day will be on January 27-28, 2024. You may use frequencies on the HF, VHF, or UHF bands and are free to use any mode that can faithfully transmit the required exchange intact. Similar to the ARRL Field Day, bonus points are earned in several ways, including using non-commercial power sources, operating from remote locations, satellite contacts, and more." Get details at (<https://winterfieldday.org/>).

* CQ Magazine

ARRL has heard from many members concerned about their print subscriptions to CQ magazine. CQ magazine is not an ARRL publication, however ARRL members enjoy the ability to pursue earning the CQ Worked All Zones (WAZ) and Worked All Prefixes (WPX) awards through Logbook of The World (LoTW). CQ Editor Rich Moseson, W2VU, acknowledged the delays in delivering CQ magazine. He indicated that the November and December issues are delayed but plans are to get them out to the readership as soon as circumstances permit.

* US Islands (USI) Awards Program

The US Islands (USI) Awards Program is an amateur radio award program centered around chasing and activating river, lake, and ocean shore islands within the US and its territories and protectorates. USI is offering a special 30th Anniversary Award for hunters and activators from January 1 to December 31, 2024. As a club or as individuals, hunters can work toward confirming 30 different US islands during 2024. The award will be issued in five island increments. Activators can work toward activating or qualifying 30 different US islands, any combination of expeditions, or fixed locations. Activators and island expeditions can also work toward operating from 30 different US islands in any combination of activations or qualifications. A minimum of 15 QSOs must be made for a new island qualification and an island activation to be considered for the award. The award can be issued to a club call sign, multiple members under one call sign, or an individual. There are also bonuses for qualifying new islands. More information and a detailed list of rules are available on the USI website at (<https://usislands.org/rules-and-program-information/>).

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Hamfests And Special Events:

* 01/21-27/2024

Quartzfest, Quartzsite, AZ. Website: <http://quartzfest.org>.

* 01/27-29/2024

Discovery of Gold in California, 1700Z-0100Z, Coloma, CA. El Dorado County ARC. 7.248 14.248 21.348 28.348. QSL. El Dorado County ARC, PO Box 451, Placerville, CA 95667. <https://edcarc.net>.

* 02/11-19/2024

Countdown to the 100th Anniversary of the Discovery of Pluto, W7P. Details at (https://www.nadxa.com/w7p_2030_2024.html) and (https://www.nadxa.com/w7p_pluto_2030.html).

* 03/23-24/2024

Baker to Vegas Relay Race for Law Enforcement, 1600Z-0000Z, N6A, Valley Center, CA. Ham Radio Outlet Anaheim. 7.225 14.225. QSL. Glenn Arrant, 14723 Puma Trail, Valley Center, CA 92082.

* 04/12-14/2024

International DX Convention, 75th Annual. Visalia, CA. Sponsored by Southern California DX Club. Website: <http://www.dxconvention.org>.

Search for all hamfests at (<https://www.arrl.org/hamfests-and-conventions-calendar>)

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

Significant Events in Telecomm History – January

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

- 01/01/1894 Heinrich Rudolf Hertz died in Bonn, German Empire at age 36.
- 01/01/1909 Charles Herrold opened the Herrold College of Wireless and Engineering in San Jose, along with a radio transmitter, becoming the precursor to the KCBS broadcasting station.
- 01/01/1922 R. A. Heising of AT&T contributed a paper to the Journal of the Franklin Institute vol. 193, no. 1, titled "Printing Telegraph by Radio." It presented the results of AT&T experiments in 1919 transmitting between New York City and Cliffwood, New Jersey, a distance of 25 miles. This may mark the beginning of radio-teletype technology.
- 01/01/1941 An FCC authorization went into effect creating an FM broadcasting band operating on 42–50 MHz. Due to natural interference, the band was moved to 88-108 MHz in July.
- 01/01/1950 Federal radio station WWV added voice announcements of time to its frequency standard and telegraphic time announcements.
- 01/01/1954 The Tournament of Roses Parade became the first U.S. national color television broadcast.
- 01/01/1963 The American Institute of Electrical Engineers (AIEE) and the Institute of Radio Engineers (IRE) merged to form the Institute of Electrical and Electronics Engineers (IEEE).
- 01/02/1909 The first meeting of the Junior Wireless Club was held at the Ansonia Hotel in New York City. In 1911, the club was renamed the Radio Club of America.
- 01/03/1962 The world's first amateur radio satellite, OSCAR 1, fell back into the atmosphere after 22 days in orbit. It was also the first privately owned satellite and the first secondary payload.
- 01/04/1643 Isaac Newton was born in Woolsthorpe-by-Colsterworth, Lincolnshire, England.
- 01/04/1958 Sputnik 1, the first artificial Earth satellite, fell back into the Earth's atmosphere after three months in orbit.
- 01/07/1927 The first official transatlantic telephone call was made, using radio channels, when W. S. Gifford, president of the American Telephone & Telegraph Company, called Sir Evelyn P. Murray, secretary of the General Post Office of Great Britain.
- 01/07/1943 Nikola Tesla died in New York City, New York at age 86.
- 01/09/1942 All amateur radio operations were suspended, as the U.S. entered World War II.
- 01/09/1947 The Mt. Diablo Amateur Radio Club was founded.
- 01/10/1946 The first radar signals were reflected off the Moon, marking the beginning of radar astronomy and space communications.
- 01/11/1838 The first telegram in the United States was sent by Samuel Morse, across two miles (3 km) of wire at Speedwell Ironworks near Morristown, New Jersey, some 6 years before his official "What Had God Wrought" message.
- 01/12/2018 A rocket launch from India's eastern coast carried a large Indian mapping satellite and dozens of secondary CubeSats from other countries, including 4 from a U.S. company called Swarm; becoming the first illegal satellite launch in history.
- 01/13/1928 The world's first television station began transmitting experimental signals as station W2XB in Schenectady, New York. It is now WRGB.
- 01/13/1946 The Dick Tracy comic strip introduced what became an immediate icon, the two-way wrist radio; possibly inspiring the invention of mobile phones and smartwatches.
- 01/16/1974 The San Leandro Radio Club became affiliated with the ARRL.
- 01/17/1706 Benjamin Franklin was born in Boston, Massachusetts Bay, British America. He was the first to discover the principle of conservation of charge, among innumerable other accomplishments.
- 01/18/1859 Alfred Vail, partner of Samuel Morse during the development of the Morse Code and telegraph system, died in Morristown, New Jersey at age 51.
- 01/18/1964 The Livermore Amateur Radio Klub became affiliated with the ARRL.

01/19/1736 James Watt was born in Greenock, Renfrewshire, Scotland.
01/19/1976 Hidetsugu Yagi, co-inventor of the Yagi-Uda antenna, died at age 89.
01/19/2000 Hedy Lamarr, major movie star and co-inventor of the spread spectrum frequency hopping technology, died in Casselberry, Florida at age 85.
01/20/1775 André-Marie Ampère was born in Lyon, Kingdom of France.
01/20/1949 The second inauguration of Harry S. Truman as president of the United States became the first televised U.S. presidential inauguration.
01/22/1947 Experimental station W6XYZ was relicensed as KTLA and became the first commercially licensed television station west of the Mississippi River. Bob Hope served as the emcee for KTLA's inaugural broadcast.
01/23/1909 The first radio rescue at sea took place when the White Line's Republic and the Lloyd Italian liner collided in dense fog off the coast near Nantucket. The U.S. Revenue Cutter Gresham picked up a radio message from a nearby station and steamed to the collision site in time to rescue all but two passengers.
01/25/1915 A telephone call, which for marketing purposes is claimed to be the first transcontinental telephone call, occurred between Alexander Graham Bell in New York and his former assistant Thomas Watson in San Francisco; timed to coincide with the Panama-Pacific International Exposition celebrations.
01/26/1926 Members of the Royal Institution of Great Britain in London witnessed the world's first public demonstration of live television.
1/28/1886 Hidetsugu Yagi, co-inventor of the Yagi-Uda antenna, was born in Osaka, Japan.
01/28/1878 The first commercial North American telephone exchange was opened in New Haven, Connecticut.
01/29/1907 Lee de Forest filed for a patent on what became known as the three-element "Audion" (triode) vacuum tube, the first practical amplification device.
01/31/1958 The U.S. launched its first artificial Earth satellite, Explorer I.
Jan., 1958 The forerunner of NASA's Deep Space Network was established when the Jet Propulsion Laboratory (JPL), deployed portable radio tracking stations in Nigeria, Singapore, and California to receive telemetry and plot the orbit of the Army-launched Explorer 1, the first successful U.S. satellite.
Jan., 1972 The first issue of "NCJ", the ARRL's National Contest Journal, was published.

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New Hams:

KO6BYJ	Michael Francis	Concord
KO6BYF	Wallace Rayford	Pleasant Hill
KO6BYA	Jason Osterdock	Hayward (General)
KO6BZT	Meghan Foster	Lafayette
KO6CCH	Paul Rose	Livermore (General)
KO6BYY	Linda Parker	Livermore
KO6CCX	Stuart Hicks	Moraga
KO6BYZ	James Howard	Oakley
KO6BYM	Gordon Byers	Oakley
KO6BYV	Evan Ugarte	Bay Point
KO6CBM	Anthony Moran	Dublin
KO6BXN	Haang Chan	San Leandro
KO6CBE	John Crow	San Lorenzo
KO6BYL	Brian Frostad	San Ramon
KO6BYW	Ameen Saleminik	San Ramon
KO6CES	Kole Kiyoi	Pleasanton
KO6CCF	Karen Goodwin	Walnut Creek
KO6CAE	Clive Goodwin	Walnut Creek
KO6BZZ	Jonathan Lee	Oakland
KO6BYX	Stephen Black	Albany
KO6BXU	Erika Black	Albany
KO6CDJ	John Canny	Berkeley (General)
KO6CCU	Robert Launderville	Vacaville

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New Upgrades:

KN6KEY Bernard Zurlo Concord (Extra)
KO6BDT Ali Ashraf Fremont (Extra)
KO6CCH Paul Rose Livermore (General)
KO6BGT Travis Bostick Walnut Creek (Extra)
KK6VBT Graham Magill Walnut Creek (Extra)

Question & Answer:

Which of the following one-way transmissions are permitted?

B. Transmissions to assist with learning the International Morse code

[General Class question pool (2023-2027) no. G1B05 (<https://www.ncvec.org/index.php/2023-2027-general-question-pool-release>).]

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If you'd like a better-looking PDF version of this newsletter, or want to refer to previous editions, they're all available on the East Bay Section website at (https://arrleb.org/index.php/files/get_dir/Newsletter).

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

Email: N6JGA@ARRL.org

Website: <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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