

**Section Manager**  
**East Bay Section Newsletter**  
**December, 2023**

ARRL East Bay Family,

I hope your Thanksgiving was truly thankful. Despite the many troubles and turmoil going on in the world today, there really is much to be thankful for, especially for those of us fortunate enough to live in the East Bay Section.

We have a pot load of new hams (57!) and several upgrades in this month's report, with two going from zero to Extra and four going zero to General. See the list near the bottom. Congratulations all!!

Congratulations and thank you to the Contra Costa Communications Club and the USS Red Oak Victory Amateur Radio Club for becoming affiliated with the ARRL on December 5, 1987 and December 4, 1999, respectively.

May your Christmas be Merry and your New Year be Happy. "See" you in 2024.

\* Question:

What band is best suited for communicating via meteor scatter?

- A. 33 centimeters
- B. 6 meters
- C. 2 meters
- D. 70 centimeters

(See the last page for the answer.)

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**Section & Division News:**  
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\* Pacific Section Manager

Joe Speroni, AH0A, has retired from the position of Section Manager for the Pacific Section. He held the position for 7 years, and contributed to our service in many other ways, including as a Volunteer Examiner, an instructor and as the Section Affiliated Club Coordinator. Joe is being replaced by Alan Maenchen, AD6E, for the remainder of the term. Maenchen is an ARRL Life Member, has served as an Affiliated Club Coordinator, Assistant Section Manager, and a DXCC Card Checker. He also has experience in emergency communications and a background of assisting amateur radio clubs in the Section. See the full announcement at (<http://www.arrl.org/arrlletter?issue=2023-11-09#toc03>).

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**ARRL News:**  
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\* ARRL Foundation Accepting Applications for Scholarships

The ARRL Foundation is accepting applications for scholarships through January 10, 2024. The ARRL Foundation Scholarship Program supports eligible amateur radio operators pursuing higher education. The Foundation manages more than 100 scholarships established by generous donors ranging from \$500 to \$25,000. Scholarships will be awarded for the academic year that will begin no earlier than June 2024 following the application deadline. The scholarships vary in eligibility requirements. Additional information and a link to the application can be found at ([www.arrl.org/scholarship-program](http://www.arrl.org/scholarship-program)). Here is a direct link to the application: (<http://www.arrl.org/scholarship-application>).

#### \* ARRL Email Forwarding Service

For many years, the League has offered a “callsign@arrl.net” email forwarding service to all members. In your member profile, you’d enter the “real” address for forwarding emails sent to your arrl.net address. It was never a full email service, nor was it intended to be. But many of us, including myself, used it as such, since we could send email from our real address while “spoofing” the “from” field to indicate that it came from the arrl.net address. Well, over the last few years, that spoofing capability has essentially been halted, thanks to all the spammers and other miscreants online. The email service providers have tightened up their security in a way that pretty much prevents spoofing.

In addition, the League is getting complaints that emails addressed to an arrl.net address don’t always go through. The League’s Director of Operations, Bob Naumann, W5OV, has responded as follows:

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“I just want to make everyone aware that the entire email industry is unsettled at the moment.

“Earlier this year, the major players chose to enable anti-spoofing capabilities that have been part of the email portions of the TCP-IP standards, but just were never enabled. This is causing all manner of message rejections, disappearances, and other frustrations to all users. It’s rough out there and ARRL is caught in the middle of all of this.

“On top of this, many of our users have ignored the advisories to not use their @arrl.net addresses in their outgoing email software as their “From” address, and they persist in doing so. As ARRL.net is not a real email service, anyone using their @arrl.net address as their from email like that is risking their email not being passed along by any of the major email providers.

“At this time, the best thing to do is to NOT use an email forwarding service like the ARRL has offered for decades. Use a real email address from a real email service company like gmail, yahoo, et al.

“ARRL is evaluating the possibility to convert ARRL.net to a full-service email provider and not just forwarding of member emails. This is costly, and will take time to make a decision whether or not to do this.”

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#### \* ARRL Club Liability Insurance Program

ARRL Field Services Manager Mike Walters, W8ZY, sent us the following advisory:

“ARRL is aware that some amateur radio clubs who had been insured by Marsh/AIG, a previous provider of the ARRL Club Liability Insurance Program, are receiving notices that their club liability insurance is not being renewed. ARRL discontinued its relationship with Marsh/AIG in 2011, but some clubs who had previously enrolled in the policies were still renewing with the old provider -- and not in the current ARRL program. The current program administrator (since 2015) for the ARRL-sponsored Club Liability Insurance Program is Risk Strategies. ARRL has a strong relationship with the current administrator who understands the importance of local amateur radio clubs and will help clubs seek new policies. Risk Strategies also administers the ARRL Equipment Insurance Plan for members. Clubs that are affected by the loss of coverage from the previous provider are encouraged to contact Risk Strategies. Please visit Risk Strategies online at (<https://www.arrlinsurance.com/>) or by phone at 1-866-819-0209 (please leave a message and your call will be returned).”

#### \* Contesting Glossary

While reading through one of the ARRL newsletters, I found a link to an ARRL list of “Common Contesting Terms” that I didn’t know was there. In case you also weren’t aware of it, it’s at (<http://www.arrl.org/contest-glossary>). Note that this is in addition to the ARRL’s Ham Radio Glossary, at (<http://www.arrl.org/ham-radio-glossary>).

#### \* NTS 2.0 Letter

Last month, I discussed the inaugural edition of the new monthly NTS Letter that all League members can subscribe to by email. The second edition has now been released. One of the items in it announces that the League has begun producing training videos on using NTS2.0. The first one is now available and shows how to send an NTS message over an APRS gateway. It demonstrates this using an application on Windows, something I didn’t know could be done with APRS. It also mentions that there’s an APRS app for Android. Have a look at this 7-minute video at (<https://nts2.arrl.org/ntsgte-an-aprs-nts-gateway/>).

#### \* Sending Agency Forms via NTS

Another item in the new NTS Letter discusses how to send agency forms, such as the ICS 213 form, via a Radiogram message. This could be a major step forward in providing needed service to our served agencies. Get the details on how to do it at (<https://nts2.arrl.org/form-encoding-rules-for-forms/>).

\* Kids Day

Kids Day is 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. The next Kids Day is the first Saturday in January, Jan. 6, 2024. 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>).

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**Government News**  
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\* FCC Eliminates the Symbol Rate Restrictions

The FCC met on November 13 and voted unanimously to amend the Amateur Radio Service rules, replacing the baud rate limit on the Amateur HF bands with a 2.8 kHz bandwidth limit to permit greater flexibility in data communications. The Report and Order is at (<https://docs.fcc.gov/public/attachments/FCC-23-93A1.pdf>) [PDF, 17 pages]. The new rule will become effective 30 days after publication in the Federal Register, which has not yet been scheduled. This R&O applies only to certain bands, as there have been allocation changes in the years since this rule change was first proposed. So the document includes a Further Notice of Proposed Rulemaking which proposes to eliminate similar restrictions where they apply in other bands. An FCC press release is at (<https://docs.fcc.gov/public/attachments/DOC-398409A1.pdf>) [PDF, 1 page].

\* WRC-23

I discussed this year's World Radiocommunication Conference (WRC) in the February and July editions of this newsletter. It's going on now in Dubai, scheduled to conclude December 15. Hosted by the International Telecommunications Union (ITU), WRC conferences are held every three to four years to review and revise, if necessary, the ITU Radio Regulations, which is the international treaty governing use of the radio frequency spectrum and satellite orbits. Among this year's agenda items is one of interest to hams 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). The ARRL is the Secretariat of the International Amateur Radio Union (IARU), which is very much involved in these meetings. Our Vice President of International Affairs, Rod Stafford, W6ROD, has been in attendance at the conference. The WRC's agenda and other information is at (<https://www.itu.int/wrc-23/wrc-23-agenda/>).

\* The Great ShakeOut

I discussed this year's Great ShakeOut in the September and October newsletters. It's an annual international emergency response exercise for earthquake safety and preparedness conducted on the third Thursday of every October. The United States Geologic Survey (USGS), FEMA and the National Science Foundation are national sponsors. This year, the USGS received over 230 DYFI (Did You Feel It?) reports on its website, along with more than 1,400 sent by radio operators using apps such as RadioMail and Winlink. Responses came in from around the U.S., its territories and several other nations. Scanning through the list of responses on the USGS website, I counted about 20 responses from the East Bay Section. This is a great turnout, but geolocation remains a challenge for Winlink submissions. In about a third of the reports over all, the USGS advises that there were significant differences between the entered address and corresponding geocoordinates. See the Scenario DYFI (Did You Feel It?) website (<https://earthquake.usgs.gov/data/dyfi/>); the Community Internet Intensity Map ([https://earthquake.usgs.gov/scenarios/eventpage/ussshakeout2023\\_se/dyfi/intensity](https://earthquake.usgs.gov/scenarios/eventpage/ussshakeout2023_se/dyfi/intensity)) and the global map ([https://earthquake.usgs.gov/scenarios/eventpage/ussshakeout2023\\_se/map?dyfi-responses-10km=true&shakemap-intensity=false](https://earthquake.usgs.gov/scenarios/eventpage/ussshakeout2023_se/map?dyfi-responses-10km=true&shakemap-intensity=false)).

\* SKYWARN Recognition Day

Don't forget that SKYWARN Recognition Day is Saturday, December 2. It's sponsored by the National Weather Service and ARRL. It celebrates the contributions that volunteer SKYWARN radio operators make to the National Weather Service. During the day, SKYWARN operators visit NWS offices and contact other radio operators across the world. Get the rules and other details at (<https://www.weather.gov/crh/skywarnrecognition>).

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**Other News:**  
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\* W2MM Special Event Station

The Quarter Century Wireless Association (QCWA) is sponsoring the W2MM Special Event Station annual event, which runs for 7 days beginning the first weekend of December. QCWA members can activate that call sign by scheduling a

time slot with the Activities Manager at ([activitiesmanager@qcwa.org](mailto:activitiesmanager@qcwa.org)). All hams that work W2MM will be able to download a commemorative certificate. See (<https://qcwa.org/w2mm-special-event.htm>) for details.

#### \* When Your Computer “Helps” Too Much

From a recent ARRL Contest Update newsletter:

“Caution: Software Updates before a Contest

“In today’s world of self-updating computers, be mindful of changes to your configuration that may inadvertently happen when software is upgraded. Microsoft Windows can change port assignments, sound devices, and so forth after updates, which could make radio control problematic. Updates to any software involved in your contest operation should be treated with caution just before a contest starts. A prudent person might spend a half hour before the contest verifying that everything is operating as it should be.”

In addition to software updates, I and others have experienced Windows “helping” us by spontaneously changing the sound card drivers for our Winlink and other data connections. So it’s a good idea to check all of your computer’s relevant settings before beginning a contest, data connection or just a QSO session using your logging software.

#### \* Be Careful with Spray Lubricant

From the same ARRL Contest Update newsletter:

“Be careful with spray lubricant, as it may be incompatible with some plastics. Here’s an article from This Old House that offers the best practices for using WD-40 (<https://www.thisoldhouse.com/21097071/wd-40-best-practices>). According to the article, you should be especially careful around polystyrenes and polycarbonates. An article on the CAIG Laboratories website (<http://store.caig.com/s.nl/ctype.KB/it.I/id.316/KB.215/f>) recommends that their DeoxIT D5 liquids be used exclusively on metal contacts, and not the surrounding non-metallic materials, such as phenolic. Phenolic and other materials can absorb the liquid with unintended negative consequences.”

#### \* Fire Caused by a Lithium-Ion Battery for a UHF Handheld Radio

In October, the U.S. National Transportation Safety Board (NTSB) released a report about a fire on an ocean-going vessel that occurred the previous November and was apparently started by a lithium-ion battery for a UHF handheld radio. The ship was docked in Baton Rouge, LA at the time, and the ship’s crew extinguished the fire with no injuries, but with an estimated \$3 million damage to the vessel. It’s an interesting read. See it at

(<https://www.nts.gov/investigations/AccidentReports/Reports/MIR2323.pdf>) [PDF, 11 pages].

[Thankx to Gary, KE6QR for the information.]

#### \* Winter Field Day

Winter Field Day is coming up on January 27-28, 2024. According to its website: "Winter Field Day (WFD) is a communications exercise. WFD is held on the last full weekend in January. WFD can be worked from the comfort of your home or in a remote location. You can participate by yourself or get your friends, family, or whole club involved. Winter Field Day is open to participants worldwide. Amateur radio operators 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/>).

#### \* Santa Net

The 16th annual Santa Net will be on the air evenings at 7:00 PM Central Time (5:00 PM Pacific) between Thanksgiving and Christmas on 3.916 MHz. Check in is taken 30 minutes before the net begins. Youngsters can talk to Santa at the north pole using strategically placed operators who relay the voice of Santa. The Santa Net is a team effort by The 3916 Nets members, and they’re expecting over 1,000 contacts this year. Get details at (<https://www.cqsanta.com/>). The 3916 Nets website is (<http://www.3916nets.com/>). The Santa Net is also streamed live on YouTube at (<https://www.youtube.com/channel/UCnNhXbexBDIvlnIz9jQkIvA/live>).

#### \* Sending Messages Between Email and SMS Text, Even with Winlink

Some of you may know that it’s possible to send messages from the text messaging app on your phone to an email address, and to receive emails in your text messaging app. The “To” field in the message must be formatted correctly and the message must be short, to conform to SMS criteria. To send From the text messaging app, just put the email address into the “To” field of the SMS app. Receiving emails in SMS requires that you know both the recipient’s phone number and the carrier they’re using (Verizon, AT&T, etc.). You then address the email to `phonenumber@carrier’s_gateway.com`. For example, a message sent to someone using Verizon would be sent to something like [1234567890@vtext.com](mailto:1234567890@vtext.com). The

RATPAC recently had a presentation on how to do it. The video is at (<https://www.youtube.com/watch?v=jkCpwVWLGMU>) [YouTube, 00:53:30] or (<https://vimeo.com/885854669?share=copy>) [Vimeo, 00:53:30]. The slide deck is at (<https://www.dropbox.com/scl/fo/zvoh25ikuciuu42ejitq6/h?rlkey=b0hyt08uw6q4b5ktmo4sj7hbi&dl=0>). Also at this link is a PDF with a list of all known cell carrier gateway addresses.

Of special note is some information on page 10 of the slide deck. It gives two links that were provided by attendees to the RATPAC live session. One is an experimental form that helps you send a Winlink message to an SMS text app without knowing the recipient's carrier. That information is built into the Winlink form they're developing. The second is information on a simplified welfare message.

\* Skywarn™ Recognition Day

SKYWARN™ Recognition Day is observed annually on the first Saturday in December to commemorate the contributions that SKYWARN™ radio operators make to the National Weather Service. This year, it's on December 2. SKYWARN™ is a national network of volunteer severe weather spotters that are trained by the NWS to report instances of tornadoes, severe thunderstorms, hail, and flooding. Many of the spotters are hams. In some parts of the U.S., these spotters also report on snowfall and ice accumulation in their local areas. Register, get operating procedures and details on how to participate at (<https://www.weather.gov/crh/skywarnrecognition>). To learn how to become a trained NOAA storm spotter, visit Spotter Training (<https://www.weather.gov/pdt/spotterTraining>).

\* Solar Flares On the Way

Have you been hearing a lot of noise on the bands this past week? It's likely because our Sun has been having some tantrums lately, and apparently will continue to do so for at least the next few days. A number of large solar flares and coronal mass ejections (CMEs) have been sent out by the Sun in all directions, with some of them headed our way. This can result in some impressive auroras, but also a lot of radio noise, including full blackouts. A cluster of large CMEs is predicted to hit us today. According to Space weather physicist Tamitha Skov, "The storm is predicted to hit Earth by midday December 1. Along with two earlier storms already enroute means we have a 1,2,3-punch if the magnetic field is oriented correctly," Get the full story at (<https://www.space.com/aurora-alert-solar-flare-eruption-cannibal-cme-november-30-december-1>). You can also see Dr. Skov's weekly space weather reports on YouTube at (<https://www.youtube.com/@TamithaSkov>).

[Thankx to Nathan, W1YW, for the tip.]

\* HamSCI Published Peer-Reviewed Paper on Citizen-Science Collaboration

HamSCI has published its latest paper, "Heliophysics and Amateur Radio: Citizen Science Collaborations For Atmospheric, Ionospheric, And Space Physics Research And Operations," in the peer-reviewed journal *Frontiers of Astronomy and Space Science*. It reviews the history of amateur radio and science back to 1912, emphasizing results that have emerged in the last decade. It also offers recommendations for future ham radio/professional collaborations in the future. See a short article about the paper on QRZ Forums at (<https://forums.qrz.com/index.php?threads/hamsci-announces-publication-of-latest-peer-reviewed-paper-on-citizen-science-collaboration.890621/>). The paper itself can be read online at (<https://www.frontiersin.org/articles/10.3389/fspas.2023.1184171/full>); or a PDF can be downloaded at (<https://www.frontiersin.org/articles/10.3389/fspas.2023.1184171/pdf>) [PDF, 31 pages].

[Thankx to Edward, WX2R, for the information.]

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**Hamfests And Special Events:**

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\* 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>.

\* 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>)

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## Significant Events in Telecomm History – December

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

- 12/01/1966 Federal radio station WWV in Greenbelt, Maryland went off the air at 0000 UTC and the new station near Fort Collins, Colorado simultaneously went on the air.
- 12/01/1983 Astronaut Owen Garriott, W5LFL, aboard the Space Shuttle Columbia, made the first ham radio contact from a human in space to someone on Earth. The contact was with Lance Collister, WA1JXN, in Frenchtown, Montana. Lance is now W7GJ.
- 12/4/1850 William Sturgeon, inventor of the electromagnet, died in Prestwich, Lancashire, England at age 67.
- 12/04/1999 The USS Red Oak Victory Amateur Radio Club became affiliated with the ARRL.
- 12/05/1947 The Quarter Century Wireless Association (QCWA) was founded in New York City.
- 12/05/1987 The Contra Costa Communications Club became affiliated with the ARRL.
- 12/06/1923 President Calvin Coolidge gave an address to Congress that was the first presidential speech to be broadcast over radio.
- 12/07/1941 Pearl Harbor, Hawaii and other locations were attacked, bringing the U.S. into World War II. Radio station KTU in Honolulu broadcast several hours of live updates during the surprise attack.
- 12/08/1864 James Clerk Maxwell proposed a theory of electromagnetic radiation in a lecture to the Royal Society of London. He stated that "light and magnetism are affectations of the same substance".
- 12/09/1921 Radio station KWQ went on the air in San Jose. It became KCBS in 1949.
- 12/10/1945 ENIAC (Electronic Numerical Integrator and Computer); the first programmable, electronic, general-purpose digital computer; was first put to work for practical purposes. It was in continuous operation until 1955.
- 12/12/1901 Guglielmo Marconi claimed to have received the first trans-Atlantic radio signal, in St. John's, Newfoundland, Canada from Poldhu, Cornwall. (Some dispute the claim.)
- 12/12/1912 Representatives of the Department of Commerce and Labor at the Brooklyn Navy Yard issued the first Certificate of Proficiency to Irving Vermilya, W1ZE, making him the first officially licensed radio amateur in the U.S.
- 12/12/1961 The world's first amateur radio satellite, OSCAR 1, was launched into space. It was also the first privately owned satellite and the first secondary payload. It orbited for 22 days before reentering the atmosphere.
- 12/14/1931 Alan Dower Blumlein filed a patent in London, UK for a two-channel audio system called "stereo".
- 12/17/1797 Joseph Henry was born in Albany, New York. He was the first Secretary of the Smithsonian Institution, inventor of the first practical electrical relay & namesake of the unit of Inductance.
- 12/17/1902 The world's first radio message to cross the Atlantic Ocean occurred, from Glace Bay, Nova Scotia, Canada.
- 12/18/1890 Edwin Howard Armstrong, inventor of FM (frequency modulation) radio and the superheterodyne receiver system, was born in Chelsea, Manhattan, New York.
- 12/18/1958 Signal Communications by Orbiting Relay Equipment (SCORE) was launched, becoming the world's first purpose-built communications satellite.
- 12/19/1958 President Dwight D. Eisenhower became the first person whose voice was ever transmitted through space when Project SCORE, the world's first communications satellite, went online.
- 12/19/2006 The FCC issued a Report and Order ending the requirement for Morse Code proficiency from all amateur radio licenses. The R&O took effect February 23, 2007.
- 12/22/1948 KPIX-TV, San Francisco's first television station, began broadcasting from atop the Mark Hopkins Hotel on Nob Hill.
- 12/23/1900 Reginald Aubrey Fessenden claims to have made the first transmission of human speech over radio, on Cobb Island, Maryland in the Potomac River. But Brazilian priest and inventor Roberto Landell de Moura also claims to have done so on June 3, 1900.
- 12/23/1947 The first transistor was completed at Bell Labs in Murray Hill, NJ by Walter H. Brattain and John A. Bardeen -- under the direction of William B. Shockley.

12/23/1975 The Metric Conversion Act was signed into law by President Gerald R. Ford, making the metric system "the preferred system of weights and measures for United States trade and commerce".

12/23/1994 The FCC adopted final rules implementing vanity call signs in the Amateur Service.

12/23/2009 The volunteer civilian communications program supporting the military changed its name to the "Military Auxiliary Radio System". It was previously the "Military Affiliate Radio System".

12/24/1906 The first radio broadcast for entertainment and music, and the first transmission of amplitude modulation, was transmitted from Brant Rock, Massachusetts to the general public, by Reginald Aubrey Fessenden.

12/24/1922 The first verified amateur radio signal from Europe was received in North America. The signal originated from the RSGB station (G)5WS at Wandsworth in South London, as part of the Third Transatlantic Tests.

Dec., 1915 The first issue of QST magazine was published. The price was 10 cents.

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**New Hams:**

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|--------|----------------------------------|-------------------|
| KO6BQE | Aaron Kwong                      | Alameda           |
| KO6BSW | Kristen Klein                    | American Cyn      |
| KO6BQR | Debbie Baird                     | Benicia           |
| KO6BSI | Patrick Hollister                | Benicia           |
| KO6BQC | Margaret Lindley                 | Danville          |
| KO6BRO | Patrick Riordan                  | El Cerrito        |
| KO6BUL | Joseph Walsh                     | El Cerrito        |
| KO6BPE | Alan Scott                       | Fairfield         |
| KO6BQQ | Richard Lohr                     | Fairfield         |
| KO6BVU | Kairi Raty                       | Fairfield         |
| KO6BUE | Robert Baffico                   | Fairfield         |
| KO6BUK | Duy Nguyen                       | Fremont (General) |
| KO6BMJ | Nolie Manansala                  | Hayward           |
| KO6BOW | Ahrles Cajulao                   | Hayward           |
| KO6BMM | Roger Bautista                   | Hayward           |
| KO6BMK | Rodney Bautista                  | Hayward           |
| AK6DO  | Boleslaw Kuznik                  | Hayward (Extra)   |
| KO6BVB | Richard Bass                     | Hayward           |
| KO6BNS | Enrico Dabu                      | Hayward           |
| KO6BVG | Ron Meyers                       | Hayward (General) |
| KO6BNX | Wyndham Davies                   | Livermore         |
| KO6BOH | Daniel Louis                     | Livermore         |
| KO6BPA | Nathanael Jones                  | Martinez          |
| KO6BPW | Mary Duty                        | Martinez          |
| KO6BOF | Jonathan Mills                   | Napa              |
| KO6BOO | Sean Gillihan                    | Napa              |
| KO6BPO | Marty Klein                      | Napa              |
| KO6BOU | Brett Risley                     | Napa              |
| KO6BWC | Deanne Jurukov                   | Newark            |
| KO6BPY | Arissaranisorn Laksanaparamaporn | Newark (General)  |
| KO6BOQ | Eugene Shusterman                | Pleasanton        |
| KO6BVC | Kayla Lutz                       | Rutherford        |
| KO6BVK | Abigail Lutz                     | Rutherford        |
| KO6BML | Edy Solis                        | San Leandro       |
| KO6BMO | Harry Solis                      | San Leandro       |
| KO6BPP | Oliver Javier                    | San Leandro       |
| KO6BNE | Daniel Aguirre                   | San Lorenzo       |
| KO6BND | Raymund Aguirre                  | San Lorenzo       |
| KO6BNC | Helen Aguirre                    | San Lorenzo       |
| KO6BSN | Saxton Tofuri                    | San Ramon         |
| KO6BUM | Jayant Gulia                     | San Ramon         |
| KO6BQS | Quynhgiao Trinh                  | Union City        |
| KO6BOI | Frank Romero                     | Vallejo           |

|        |                     |                    |
|--------|---------------------|--------------------|
| KO6BPC | William Flow        | Walnut Creek       |
| KO6BOR | Rebecca Wong        | Oakland            |
| KO6BTW | Christopher Parsell | Oakland            |
| KO6BWA | Spencer Hicks       | Berkeley           |
| KO6BWF | Nadia Anggraini     | Berkeley           |
| KO6BRR | Xiaodong Ding       | Albany             |
| KO6BOT | Rahul Kumar         | Berkeley (Extra)   |
| KO6BUZ | Devin Sevilla       | Richmond (General) |
| KO6BPS | Felizardo Dela Cruz | Richmond           |
| KO6BON | John Dupin          | Richmond           |
| KO6BOC | Vivencio Parto      | San Pablo          |
| KO6BRT | Consatncio Mayordo  | San Pablo          |
| KO6BOY | Joebert Raquiza     | San Pablo          |
| KO6BOM | Roger Driver        | Vacaville          |

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**New Upgrades:**

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|        |                   |                         |
|--------|-------------------|-------------------------|
| KD6YSY | Ronald Catungal   | Alameda (Extra)         |
| KN6ZYH | James Piehnik     | Benicia (General)       |
| KO6AGM | Joseph Juan       | Fremont (Extra)         |
| KO6BDT | Ali Ashraf        | Fremont (General)       |
| KB6LDV | Marlene Wright    | Castro Valley (General) |
| K6AEM  | Edralin Macabeo   | Castro Valley (Extra)   |
| KK6SVK | James Carcioppolo | Livermore (General)     |
| KN6HLK | Gary Padgett      | Martinez (General)      |
| KC6ZQA | David Jacuzzi     | Newark (General)        |
| K1CBR  | Tommy Guzman      | Pittsburg (General)     |
| KJ6RHJ | Terry Floyd       | San Leandro (General)   |
| KO6BGT | Travis Bostick    | Walnut Creek (General)  |
| KO6BOT | Rahul Kumar       | Berkeley (Extra)        |
| KN6OUJ | John Custer       | Richmond (General)      |
| KO6AGT | John Carpenter    | Vacaville (Extra)       |
| K6LAZ  | Diane Vieira      | Vacaville (General)     |

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**Question & Answer:**

What band is best suited for communicating via meteor scatter?  
 B. 6 meters

[Technician Class question pool (2022-2026) no. T3C07 (<http://www.ncvec.org/page.php?id=373>).]

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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](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.

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 ARRL East Bay Section Manager

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