

Section Manager
East Bay Section Newsletter
June, 2025

ARRL East Bay Family,

I made my first pilgrimage to Ham Radio Mecca, aka Hamvention, in Xenia, Ohio last month. It was a great experience. Many of the forums were very busy, some with standing room only. Every vendor you can think of for ham radio was there. On Friday, I arrived on site a little over an hour before opening. By the time I parked and hiked up to the entrance, the line to get in was a good 100 yards long. The ARRL section took up a large portion of one of the vendor buildings, with about a dozen booths for the different focus topics.

According to an article in the Dayton Daily News, “The 2025 Hamvention set a new high attendance record with 36,814 attendees from all over the world” and had over 700 volunteers. See <https://www.daytondailynews.com/local/hamvention-2025-breaks-attendance-record-draws-36000-to-xenia-organizers-say/B2MDDARQXVBFEXGPXONRKYUCE/>). Also have a look at the ARRL’s Hamvention Highlight’s article, which includes links to several short YouTube videos from Hamvention. It’s at (<https://www.arrl.org/news/highlights-from-2025-dayton-hamvention>). Next year’s convention will be May 15-17.

Congratulations to Jerry Vurek, KF6CVA, an ARRL member since 1996, on turning 90 years old in May. He also earned first place in the Pacific Division (and eighth overall in the U.S.) in the portable/analog only category in the January 2025 ARRL VHF Contest. He is the father of Affiliated Club Coordinator Matthew G. Vurek, N4DLA.

Congratulations and Thank You to the University of California-Berkeley ARC (W6BB), the Silverado Amateur Radio Society, and the Contra Costa Repeater Association, which became affiliated with the ARRL on June 4, 1921, June 4, 1977 and June 8, 2023, respectively.

*** Question:**

Which of the following could you use to cure distorted audio caused by RF current on the shield of a microphone cable?

- A. Band-pass filter
- B. Low-pass filter
- C. Preamplifier
- D. Ferrite choke

(See the last page for the answer.)

=====

Section & Division News:

*** Pacific Division Director Change**

Anthony Marcin, W7XM, who has served the Pacific Division as Director since January 2024, has stepped down, effective May 25, 2025. Vice Director John Litz, NZ6Q, accedes to the Director's chair to complete the remainder of a 3-year term ending December 31, 2025. Litz was appointed Vice Director in April 2024. Before that, he was ARRL San Joaquin Valley Section Manager from January 2020. Litz, from Stockton, California, was first licensed in 1974, and he is an ARRL Diamond Club donor and Life Member. The ARRL announcement is at (<https://www.arrl.org/news/arrl-announces-leadership-changes-in-the-pacific-division>).

*** Section Manager Election Results**

-- John Bigley, N7UR, the current Nevada Section Manager, decided not to run for a new term of office after serving as Section Manager for the past ten years. On July 1, Craig McVeay, NØCSM, of Pahrump will begin his first term as the

new Section Manager.

-- Steven Hendricks, KK6JTB, ran unopposed for reelection in the San Joaquin Valley Section and will begin his new term on July 1.

* Benicia Ham Class Report

The Benicia club held another of its excellent one-day ham classes on Saturday, May 3. They had 17 volunteers on hand to help a total of 38 applicants. 24 of those took the Technician course and 8 took the General course. The rest came in to test only. 21 Technician students passed the test, 3 of them with a perfect score; for a pass rate of 87.5%. 7 of the General students passed, 1 with a perfect score, for a pass rate of also 87.5%. All 7 walk-ins passed. The students came from 9 counties, some as far away as Santa Clara County, while 2 came from out of state! Great efforts, Benicia. Thankx! [And thankx to Bob, W6RBF, for the info.]

* Benicia Ham Class

The Benicia ARC will host another one of its one-day ham classes on Saturday, October 4, 2025. It will be from 8:30 am to 5:00 pm with a one-hour lunch break, at the Benicia Senior Center, 1201 East 2nd Street. The class offers training for both the Technician and General Class licenses. The fee is \$35.00, which includes the exam fee. For details and to register, see (<https://beniciaarc.com/hamclass/>).

* California State Fair Amateur Radio Special Event Station

The Sacramento Valley Section is planning a Special Event Station and Exhibit at the California State Fair, July 11-27. They will operate on-the-air using the Special Event 1x1 callsign K6C in Cal Expo's air-conditioned Building B during the Fair. Cal Expo will supply gate and parking passes to our volunteer exhibitors. They welcome licensed radio amateurs and affiliated clubs who can assist at their Exhibit and Special Event Station in shifts like 10 am-1 pm, 1-4 pm, and 4-7 pm during the weekends of July 11-13, July 18-20, and/or July 25-27. You don't need to belong to a club or group to participate. Join their volunteer exhibitor team through the online form at (<https://sacramentoares.org/2025-california-state-fair-demonstration-station/>)

* Minden, Nevada Radio Ranch Swap Meet

Looking for a reason for a weekend getaway in the mountains? Head up to Minden, NV, just a few miles east of South Lake Tahoe, for their "Radio Ranch Swap Get Together" on Saturday June 7. The event is free for both buyers and sellers. The swap meet is on N7RCA's 6-acre ranch. Parking, trailers and RVs have easy access. For details, see (<https://www.n7rca.com/>).

[Thankx to Matthew, N4DLA, via MDARC's Carrier newsletter, for the information.]

* Field Day Planning Reminder

For us on the West Coast, Field Day will be from 1100 PDT on June 28 until 1059 PDT on June 29. As I write this, eight clubs are on the ARRL Field Day Locator map in the East Bay Section. Those are the ones I'll plan to visit on Field Day. If your club is planning a Field Day event but has not yet put it on the Locator map, please do so soon, so visitors (including me) can find you. The ARRL Field Day Locator page is at (<https://www.arrl.org/field-day-locator>). The page to add your club's site is (http://www.arrl.org/field_days/add). Full information and rules are at (<https://www.arrl.org/field-day>).

=====

ARRL News:

* Executive Committee Meeting Minutes

The minutes of the May 8, 2025 meeting of the League's Executive Committee are available at (<https://arrl.informz.net/z/cjUucD9taT0zMzQzNzAxJnA9MSZ1PTUzODgzMTUyMiZsaT0zODE4NDUwMw/index.html>) [PDF, 8 pages].

* ARRL and RRI – Toward One National Traffic System

The ARRL and Radio Relay International (RRI) have been meeting with the intent of finding commonality with a goal of presenting to the public and public service organizations a National Traffic System with joint oversight, under the leadership and guidance of the reestablished area staffs, reporting to both organizations. A memorandum of agreement has been under discussion and is near finalization. One of the provisions will include a column in the monthly NTS Letter by James Wades, WB8SIW. James discusses the importance of NTS in his first column, saying, "one should not measure the value of the National Traffic System based on the content of routine radiograms. Instead, one should measure the value of

NTS based on the training it offers”. To learn more about NTS and get involved, see (<https://www.arrl.org/nts>). You can also log into your account, go to your profile and add the monthly NTS Letter to your list of correspondence you receive from the League.

*** ARRL Foundation Accepting Grant Applications**

The ARRL Foundation is accepting grant applications from amateur radio organizations for eligible amateur radio-related projects and initiatives, particularly those focused on educating, licensing, and supporting amateur radio activities. To grow amateur radio's future, youth-based projects and initiatives are especially encouraged. The ARRL Foundation grants program accepts proposals on a cyclical model three times a year: in February, June, and October. Proposals for the June grant period are accepted through October 31. Awardees will be notified approximately 1 month after the closing of each cycle. The ARRL Foundation carefully manages a portfolio of endowments where donors have provided specific goals for their gifts, and that portfolio is invested and managed in a way that it can continue to support those goals for many years to come. Additional information and a link to the grant application can be found at (www.arrl.org/amateur-radio-grants).

*** Kids Day**

The ARRL semi-annual Kids Day is coming Saturday, June 21. Kids Day is designed to give on-the-air experience to young people and hopefully foster interest in getting a license of their own. It's also intended to give older hams a chance to share their station and love for Amateur Radio with their children. Kids Day runs from 1800 UTC through 2359 UTC (11:00 AM – 4:59 PM Pacific). For some suggestions on what to talk about, frequencies to use and other things, see (<http://www.arrl.org/kids-day>).

=====

Government News

*** Defending the 902-928 MHz Amateur Radio Band**

The FCC is considering a petition by NextNav, Inc., a licensee in the 900-MHz Location and Monitoring Service (LMS), to reconfigure the 902-928 MHz band to obtain more spectrum for itself and replace the LMS with high-power 5G cellular and related positioning, navigation, and timing (PNT) services that would supplement GPS. ARRL filed comments opposing NextNav's proposal in September 2024, and again last month. The band supports an extraordinary number of unlicensed consumer devices used by consumers both inside and outside the United States with which radio amateurs co-exist, and the League emphasized the need to protect all of these uses. See the ARRL's news item at (<http://www.arrl.org/news/view/arrl-renews-defense-of-the-902-928-mhz-amateur-radio-band>). A detailed description of the proposal is on the FCC website at (<https://docs.fcc.gov/public/attachments/DA-24-776A1.pdf>) [PDF, 8 pages]. The petition itself is on NextNav's website at (<https://nextnav.com/wp-content/uploads/2024/04/Petition-for-Rulemaking-of-NextNav-Inc.pdf>) [PDF, 63 pages].

*** FCC May Require US-Based Testing of More Imported Electronics**

“The FCC plans to tighten its requirements for the testing of electronic devices manufactured in countries such as China before they can be sold to US consumers. The commission will review an order this month that bans device-testing conducted by labs that are ‘owned, controlled or directed by entities that pose national security risks,’ according to a statement by FCC Commissioner Brendan Carr. He identified China as one example of such a country. He said it was important that US-based labs begin taking on the responsibility to certify such equipment. According to Carr's statement, Chinese labs test about three-quarters of all electronics sold in the US. The commission will consider the new order at its open meeting on May 22nd.”

[From the Amateur Radio Newsline Report for Friday, May 9th, 2025]

*** FCC Enforcement May Require a Jury Trial**

“On April 17, the US Court of Appeals for the 5th Circuit granted an AT&T request to wipe out a \$57 million fine for selling customer location data without consent. The conservative 5th Circuit court said the FCC ‘acted as prosecutor, jury, and judge,’ violating AT&T's Seventh Amendment right to a jury trial.” In response, the FCC is urging two other courts to disregard the 5th Circuit's ruling, arguing that it is incorrect. The discussion is a bit detailed, but it's an interesting read. See the full story on the Ars Technica website at (<https://arstechnica.com/tech-policy/2025/04/att-court-win-over-fcc-could-make-it-impossible-for-agency-to-fine-carriers/>).

*** One Big Beautiful Bill Act Includes Auctioning of Frequencies**

The highly publicized One Big Beautiful Bill Act, now working its way through Congress, includes a section that requires

the FCC to identify and auction at least 600 MHz of spectrum between 1.3 GHz to 10 GHz, excluding ranges 3.1 GHz to 3.45 GHz and 5.925 GHz to 7.125 GHz. The entire bill is huge and available at (https://budget.house.gov/imo/media/doc/one_big_beautiful_bill_act_-_full_bill_text.pdf) [PDF, 1,116 pages]. But the Section in question is fairly short, starting on page 287. Also, see the ARRL's discussion of the ham bands potentially impacted at (<https://www.arrl.org/news/just-in-amateur-spectrum-addressed-in-us-house-reconciliation-bill>).

* FCC Eyes Giving Satellites 20,000 MHz More Spectrum

The FCC voted unanimously at its May 22nd open meeting to explore the assignment of more than 20,000 MHz of spectrum bandwidth to accommodate expanded satellite-based broadband service. Four spectrum bands are under consideration: the upper portion of the 12 GHz band, starting at 12.7 GHz; the 42 GHz band, the 52 GHz band and four unused sections of the 75-110 GHz W-band totaling 18,000 MHz. FCC Chairman Brendan Carr said in a statement after the vote that "each band is a potential game changer.". The agency said that the amount of spectrum under consideration is greater than all the spectrum presently available for satellite broadband. He said the additional frequencies were ripe territory for so-called next-generation services. It was unclear what impact, if any, the Notice of Proposed Rulemaking would have on the amateur radio service. The move was applauded by the Satellite Industry Association in a statement on its website. A video of the open meeting is at (<https://www.fcc.gov/May2025>) [01:14:33]. The Report and Order and Further Notice of Proposed Rulemaking, along with a press release, is at (<https://www.fcc.gov/document/fcc-looks-unleash-more-spectrum-satellite-spectrum-abundance>) [Docx, PDF & Txt; 44 pages].

[Thankx to the Amateur Radio Newslines Report for Friday, May 30th for the information.]

* FAA Tower Registration Information

All hams should know that towers and other objects over 200 feet above ground, or close to an airport, will likely need to be registered with the FAA. There's a very good information page on the FAA website that discusses this. It includes an excellent 00:04:02 video about it. See the page, and video, at (<https://oeaaa.faa.gov/oeaaa/oe3a/main/#/home>). The page includes a link to another page to help you determine whether your structure needs registration. But the page is generalized for all types of structures (buildings, flag poles, etc.). The FCC also has a page specific to communications towers. Called TOWAIR, it's at (<https://wireless2.fcc.gov/UlsApp/AsrSearch/towairSearch.jsp>).

[Thankx to Fred, K1VR, for the tip on the FAA page and video.]

* US Unprepared to Handle Major Solar Storm

A US government task force established 11 years ago to handle space weather emergencies has demonstrated that it is incapable of successfully managing such a crisis, according to a recent report task force members released last month. Several critical failures came to light at the conclusion of a two-day drill conducted in early May to assess US agencies' readiness in such a crisis. The drill staged a simulated crisis of several CMEs hurtling toward earth, creating widespread power and communications outages, radio blackouts and radiation hazards for NASA astronauts on a lunar mission. According to the report, government agency protocols were shown to be weak and without effective interoffice coordination. Those challenges were called especially critical because warning for the impact of an incoming coronal mass ejection can be as long as a few days or as short as half an hour. The report praised the exercise for identifying these issues and called for, among other things, development of an advanced warning system and sophisticated space-weather satellite systems. The full report is available at (<https://www.jhuapl.edu/sites/default/files/2025-04/Space-Weather-TTX-Report-Summary-v3-FINAL.pdf>) [PDF, 208 pages].

[CME = Coronal Mass Ejection]

[Thankx to the Amateur Radio Newslines Report for Friday, May 23rd for the information.]

=====

Other News:

* DLARC to Digitize Material Donated by California Historical Radio Society

The Digital Library of Amateur Radio & Communications (DLARC) is a library of materials and collections related to amateur radio and early communications, hosted by the Internet Archive (<https://archive.org/>). Thankx to a second significant grant from the Amateur Radio Digital Communications (ARDC), DLARC will digitize material donated by California Historical Radio, located in Alameda, right here in our own East Bay Section. DLARC has already digitized material from some East Bay clubs, such as the Mt. Diablo club. After less than three years in operation, DLARC already has over 20 TB of digitized ham-related files, more than 3 million of them, and rapidly counting. See the DLARC at (<https://archive.org/details/dlarc>).

[Thankx to the Zero Retries newsletter for May 2, 2025 for the tip. (<https://www.zeroretries.org/>)]

* AMSAT Looking at a Possible Geosynchronous Satellite

AMSAT-DL in Germany has sent a Request for Expression of Interest to various other AMSAT organizations and amateur radio associations for a proposed ham radio-focused project known as "futureGEO," operating from a geosynchronous satellite. AMSAT-DL's request comes two years after the European Space Agency described its vision of having amateur radio on a geosynchronous satellite, designed to cover the north of North America and Europe, and which drew on proposals from AMSAT-DL and AMSAT-UK. Get details at (<https://amsat-dl.org/en/rfei-for-futuregeo-project/>). [Thankx to the Amateur Radio Newslines Report for Friday, May 30th for the tip.]

* New FM Satellite Repeater

Speaking of Satellites, a new satellite-based FM repeater should become available this month. On board the HADES-ICM satellite, it will initially be active on Fridays, Saturdays, and Sundays. It has an uplink of 145.875 MHz and a downlink of 436.666 MHz. Another repeater, HADES-R, already operates full time with a 145.925 MHz uplink and a 436.888 MHz downlink. Read all about it at (<https://www.amsat.org/two-way-satellites/hades-icm/>).

* Museum Ships Weekend

Some 101 museum ships will participate in this year's Museum Ships Weekend Special Event, being held this weekend June 7-8. In the Bay Area, we've got the USS Hornet in Alameda, the SS Jeremiah O'Brien in San Francisco, the USS Lucid in Stockton, the Red Oak Victory in Richmond, and the USS Pampanito in San Francisco. Get details at: (<https://www.nj2bb.org/museum/>). A full list of all the world's museum ships is available from that oracle of oracles, Wikipedia, at: (https://en.wikipedia.org/wiki/List_of_museum_ships).

* 13 Colonies Special Event

In celebration of our nation's Independence Day, the annual 13 Colonies Special Event will be held on July 1-7. There will be a special event station in each of the 13 colonies, along with bonus stations in Great Britain, France and Philadelphia. Very attractive certificates are available. Get details at (<http://www.13colonies.us/>).

=====

Hamfests And Special Events:

* 07/11-27/2025

California State Fair Special Event Station. 0000Z-2359Z, K6C, Sacramento, CA. ARRL Sacramento Valley Section. 7.290 14.290 21.390 28.390. Certificate. Carol Milazzo, PO Box 665, Citrus Heights, CA 95611-0665. <https://www.arrlsacvalley.org>.

* 08/02/2025

Alcatraz Special Event Station. 0130Z-0830Z, W6P, Vacaville, CA. Vacaville Amateur Radio Club (W6VVR). 7.200 MHz 14.250 MHz 28.500 MHz. QSL. Art Aronsen, 7319 June Bug Lane, Vacaville, CA 95688. There will be 3 stations on Alcatraz Island during times stated. All stations will be on SSB on battery.

* 09/01-10/2025

175th Anniversary of California Statehood 1850-2025 Special Event Station. 0000Z-2359Z, K6S, Monterey, CA. Monterey DX Group. 14.275 21.275 28.375 7.275. QSL. G. Costello WC6DX, PO Box 1332, Monterey, CA 93942-1332. In 1849, the California Constitutional Convention convened in the capital Monterey in order to draft a constitution for statehood the following year. On 09 September 1850, California joined the Union as the 31st state. A commemorative paper QSL card is available for a SASE to QSL Manager WC6DX; no Log Book of the World or e-QSL.

* 09/06-14/2025

Route 66 On The Air. 0001Z-2359Z, W6JBT, San Bernardino, CA. Citrus Belt Amateur Radio Club. 3.866 7.266 14.266 28.466. Certificate & QSL. Citrus Belt Amateur Radio Club, PO Box 3788, San Bernardino, CA 92413. The Citrus Belt Amateur Radio Club of San Bernardino, California will host the 26th annual Route 66 On The Air special event, September 6-14, 2025. The event offers radio amateurs a chance to perhaps relive their own Route 66 memories and to celebrate the famed highway's rich history. Opened in 1926, US Route 66 was the first major improved highway to link the West Coast with the nation's heartland; it once served as the backdrop for a popular TV show and has been the subject of songs and stories. There will be multiple stations — some will be "rovers" — operating in or around the major cities along Route 66 from Santa Monica, California to Chicago, Illinois. They will use 1 × 1 W6-prefix special event call signs (www.w6jbt.org).

* 09/13/2025

Reno Ham Swap. Location: Reno, NV. Sponsor: Sierra Nevada Amateur Radio Society. Website:
<http://renohamswap.com>.

* 10/10-12/2025

Pacificon 2025 Location: San Ramon, CA. Sponsor: Mount Diablo Amateur Radio Club. Website:
<http://www.pacificon.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 – June

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

- 06/01/1894 Oliver Lodge, a British physicist, gave the first of several lectures and demonstrations on the transmission and detection of electromagnetic radiation, at London's Royal Institution.
- 06/01/1896 Shintaro Uda, co-inventor of the Yagi-Uda antenna, was born.
- 06/03/1900 Brazilian priest and inventor Roberto Landell de Moura claims to have made the first transmission of human speech over radio. But Reginald Aubrey Fessenden also claims to have done so on December 23, 1900.
- 06/04/1921 The University of California-Berkeley ARC (W6BB) became affiliated with the ARRL.
- 06/04/1977 The Silverado Amateur Radio Society became affiliated with the ARRL.
- 06/08/2023 The Contra Costa Repeater Association became affiliated with the ARRL.
- 06/13/1831 James Clerk Maxwell was born in Edinburgh, Scotland, United Kingdom.
- 06/10/1836 André-Marie Ampère died in Marseille, Kingdom of France at age 61.
- 06/17/1914 The first transcontinental telephone line was completed between New York and San Francisco as workers raised the final pole at Wendover, Utah. Though a telephone call, which for marketing purposes is claimed to be the first transcontinental telephone call, occurred on January 25, 1915, the line was successfully voice tested in July, 1914.
- 06/17/1946 The Bell System began operation of the Mobile Telephone Service (MTS), predecessor to cellular telephones, in St. Louis, MO. The original mobile equipment weighed 80 pounds (36 kg).
- 06/19/1934 The Communications Act of 1934 was signed into law by President Franklin D. Roosevelt, replacing the Federal Radio Commission with the Federal Communications Commission (FCC).
- 06/23/1930 The Galvin Manufacturing Corporation sold its first Motorola branded radio to H.C. Wall of Fort Wayne, Indiana, for \$30 (about \$500 today). It was the first "low cost" radio receiver for mobile installation. The company later changed its name to Motorola.
- 06/23/1977 The NTS-2 (Navigation Technology Satellite) was launched, becoming the first NAVSTAR GPS Phase I satellite.
- 06/26/1824 William Thomson, also known as Lord Kelvin, was born in Belfast, United Kingdom of Great Britain and Ireland. Lord Kelvin calculated the coldest possible temperature (-273.15 Celsius, or 459.67 degrees Fahrenheit), developed what is now known as the Kelvin temperature scale, developed the second law of thermodynamics, and worked to install telegraph cables under the Atlantic, among other accomplishments.
- 06/26/1997 The Board of Directors of the Institute of Electrical and Electronics Engineers (IEEE) approved the release of "IEEE 802.11-1997; IEEE Standard for Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications". The 802.11 series of standards came to be popularly known as Wi-Fi.
- 06/30/1961 Lee de Forest, inventor of the three-element "Audion" (triode) vacuum tube, the first practical amplification device, died in Hollywood, California at age 87.
- 06/30/1985 ARRL co-founder and original editor and owner of QST Clarence Denton Tuska, 1WD, died in Cranbury, New Jersey at age 88.
- June, 1919 The first image of the dreaded Wouff Hong appeared in QST, accompanying an article from "The Old Man" entitled "Rotten Starting", about the difficulties getting equipment set up and operational after the World War I restrictions were lifted.

=====

New Hams:

May, 2025 Report

KO6IVG	Dominic Castro	Discovery Bay
KO6IXB	Scott Cooper	Calistoga
KK6TKX	Stephen Berg	Concord
KO6IWH	Richard Peterson	Concord
KO6IXL	Chebar Cooper	Pleasant Hill
KO6IUD	April La Mark	Fairfield
KO6IWG	Wilfred Ussery	Fairfield
KO6ITS	John Alexander	Fremont (General)
KO6IYX	Tsubasa Tanikawa	Hayward
KO6IXP	David Bond	Lafayette (General)
KO6IUQ	Ryan Guggiana	Livermore
KO6IUK	Arnab Ghosh	Dublin
KO6ITJ	Olivia Simms	San Ramon
KO6IUH	David Shipley	Suisun City
KO6ITW	Warren Lo	Union City
KO6JAQ	Karl Sutphin	Vallejo
KO6IXU	William Fitzwater	Oakland
KO6JAB	Colin Murphy	Oakland
KO6IRP	Nicole Chu	Oakland
KO6ISO	Robert Davi	Oakland
AK6MT	Glenn Jones	Oakland (Extra)
KO6JBO	Jeremy Chen	Berkeley

New Upgrades:

The Ham Upgrade reports are currently not available, due to the IT systems disruption.

Question & Answer:

Which of the following could you use to cure distorted audio caused by RF current on the shield of a microphone cable?
D. Ferrite choke

[Technician Class question pool (2022-2026) no. T7B04 (<https://www.ncvec.org/index.php/2022-2026-technician-question-pool-release>)]

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: mapa@ieee.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>