

Section Manager
East Bay Section Newsletter
September, 2024

ARRL East Bay Family,

September is National Preparedness Month; a FEMA-hosted annual observance to raise awareness about the importance of preparing for disasters and emergencies that could happen at any time. This year, FEMA's focus is twofold. First, on preparing Asian American, Native Hawaiian, and Pacific Islander communities; in other words, the ARRL Pacific Section of our own Pacific Division. This continues their focus of the last few years on often overlooked communities. In 2021, they specifically targeted the Latino community; in 2022, the Black and African American community; and in 2023 on Older Adults. But all of us here in the East Bay, whether we're in the targeted community or not, have much we can do to get ready.

First, there's International ShakeOut Day to get ready for. See details in Section & Division News below. There's also the ARRL Simulated Emergency Test to get ready for in October. See that item in ARRL News below. And if you haven't already, you need to make a disaster plan. That begins with FEMA's second focus topic, their 2024 theme of "Start a Conversation". Talk with your family about what you've done to prepare for the many disasters that could happen here in the East Bay, and what still needs to be done. The planning includes not just your home and an evacuation route, but many other things, such as your kids, pets, any disabled family, finances, medical needs and a pot load of other considerations. For guidance, check out the National Preparedness Month website at (<https://www.ready.gov/september>).
[FEMA = Federal Emergency Management Agency]

And don't overlook your ham radio in this planning. Over this month, the ARRL will share best practices to help prepare you, your station, your family, and your local ARES® group to thrive in times of emergency. Find resources for ARES® at (www.arrl.org/ares).

Congratulations and thank you to the Amateur Radio Club of Alameda and the Lamorinda Area Radio Interest Group, who became affiliated with the ARRL on September 15, 2004 (20 years!) and September 17, 2019, respectively.

* Question:

In which of the following circumstances may the control operator of an amateur station receive compensation for operating that station?

- A. When the communication is related to the sale of amateur equipment by the control operator's employer
- B. When the communication is incidental to classroom instruction at an educational institution
- C. When the communication is made to obtain emergency information for a local broadcast station
- D. All these choices are correct

(See the last page for the answer.)

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Section & Division News:

* Benicia Ham Class

Benicia will host another one of its highly successful one-day ham classes on Saturday, October 5, 2024. 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/>).

* Ham Radio In the News

San Francisco TV channel KPIX, the CBS affiliate, broadcast a segment on August 5th about the San Francisco Radio Club's volunteer work in emergency response and public service events, such as Fleet Week. It does a great job of showing off ham radio's capabilities. Excellent Work, SFRC!! See it at (<https://www.youtube.com/watch?v=oqEYSyxRoRg>) [YouTube, 00:04:28].

* International ShakeOut Day

The annual International ShakeOut Day will be Thursday, October 17 this year. That's the day before Pacificon! At 10:17 a.m. (local time), you can join millions of people across the world practicing earthquake safety. As this is being written, some 6.4 million people worldwide have registered to participate, with 5.7 million of them in the U.S. The vast majority of them are in California (4.07 million). Of those, almost 87,000 have registered in Alameda County, over 39,000 in Contra Costa, over 500 in Napa and over 31,000 in Sonoma. That's over 157,000 registered in our East Bay Section as individuals or through various organizations, such as schools, businesses, neighborhood groups and others. You don't have to register to participate, and you or your group can plan your drill for a different day if needed. But it's good to participate, since the ShakeOut "has been organized to encourage you, your community, your school, or your organization to review and update emergency preparedness plans and supplies, and to secure your space in order to prevent damage and injuries. ShakeOut is also a reminder for Californians to be prepared financially". Get details and planning guides at (<https://www.shakeout.org/>). You can also scroll down a bit and click on "California" to get information focused on our state. Another good place for information on preparing for an earthquake is the Earthquake Country Alliance at (<https://www.earthquakecountry.org/>), a California-based public-private-grassroots partnership of people and organizations.

* SNARS Ham Swap in Reno

Looking for an excuse to run up to Reno? The Sierra Nevada Amateur Radio Society is hosting a Ham Swap on Saturday, September 14 in the east parking lot of Cabela's Reno, 8650 Boomtown Garson Road, Verdi, NV (just west of Reno). It opens at 8:00 AM. Get the talk in frequencies and other details at (<https://snars.org/renohamswap/>).

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ARRL News:

* Board Special Meeting Minutes

The ARRL Board met in special session over several days beginning May 20, 2024 to discuss the ARRL cyber incident. The minutes of that meeting are at (https://www.arrl.org/files/file/About%20ARRL/Board%20Meetings/Special%20Board%20Mtgs_%20Minutes%20v4.pdf) [PDF, 11 pages]. Unfortunately, not much is in the minutes other than who was there. This because they entered into a "Committee of the Whole", which is a standard procedure when topics of a confidential nature are discussed. Typical reasons are to handle personnel matters; or legal situations, of which this cyber incident is certainly one.

* Board July Meeting Minutes

The minutes of the ARRL Board meeting on July 19 have now been released, and a lot was accomplished. Among the numerous items, they voted to:

- Establish an ad hoc committee to "Review the Director Workbook for consistency and relevance to current Board practice", among other things.
- Appoint a study group to review the current structure of the ARRL governance and field organization and determine what, if any, changes may be necessary.
- Establish the ARRL Information Technology Advisory Committee (ITAC) to oversee the League's many and diverse IT assets.
- Revise the Standing Policy that determines when a roll-call vote is needed on motions pertaining to governance documents.

Get the full minutes at

(<https://www.arrl.org/files/file/About%20ARRL/Board%20Meetings/ARRL%20July%202024%20Board%20of%20Director%20Meeting%20Minutes%20-%20Draft%20v4.pdf>) [PDF, 15 pages].

* IT Security Incident Report

Hopefully, you've all seen the Member Bulletin that ARRL management sent out to all members on August 21. It gave the most comprehensive report so far on the ransomware hack. It explains what happened, what systems were affected,

how the League is responding and why it's taking so long to get everything back up and running. The Bulletin is fairly long, 3 pages if printed, but concise, given the amount of information conveyed. One of the key points stated is, "We anticipate that it may take another month or two to complete restoration under the new infrastructure guidelines and new standards." The bulletin is available at (<https://www.arrl.org/news/arrl-it-security-incident-report-to-members>). You may also keep up with the recovery's general status at (<https://www.arrl.org/news/arrl-systems-service-disruption>).

* Simulated Emergency Test Coming Up

The League's SET is October 5-6 this year. It's a nationwide exercise to test your personal emergency-operating skills and the readiness of your communications equipment and accessories in a simulated emergency-like deployment. We're hoping to have participations from ARES & RACES groups, SKYWARN, CERT, SATERN and perhaps even MARS. There will also be some new 2024 SET reporting forms posted on the website soon. Get details and guidelines on this year's SET at (<https://www.arrl.org/simulated-emergency-test>).

[SET = Simulated Emergency Test. ARES = Amateur Radio Emergency Service ®. RACES = Radio Amateur Civil Emergency Service. CERT = Community Emergency Response Team. SATERN = Salvation Army Team Emergency Radio Network. MARS = Military Auxiliary Radio System.]

* New Frequency for ARRL CW Transmissions

Beginning on Friday, September 6, 2024, ARRL Station W1AW will begin using a new 17-meter frequency for its scheduled CW transmissions, due to increased activity near the current bulletin frequency. In order to reduce the possibility of interference, W1AW will move to 18077.5 KHz.

* Expanded Publications Archive

The League's archive of publications has been expanded to include content from two more ARRL magazines: "QEX — A Forum for Communications Experimenters", which features technical articles and columns of interest to radio amateurs and communications professionals; and "NCJ — the National Contest Journal", which covers information, scores, and advice from the world of competitive radiosport and the contributions of top contesters. Once logged in to your account, you may now view and download articles from across the extensively indexed archive of QEX from 1981 to 2011, and NCJ from 1973 to 2011. The archive has brought access to QST articles dating from 1915 to 2011 since 2008. It's available at (<https://www.arrl.org/arrl-periodicals-archive-search>). Newer editions of all four of the ARRL magazines are at (<https://www.arrl.org/arrl-magazines>).

* Estate Planning for Hams

Last year, I had a couple of items in the June and July editions of this newsletter about the ARRL's Estate Planning Workbook. As it's been a while, and August was National Make-a-Will month, I thought I'd give you a re-run. Planning in advance will help your family and friends. Use the workbook to help you create your plan; providing guidance on how to handle your station and its many assets; deciding how you will leave your legacy, and how to use part or all of your station to support the future of amateur radio. One option you may wish to consider is a donation of your gear to the California Historical Radio Society (CHRS) in Alameda. Per Bart Lee, K6VK, Archivist & Fellow of CHRS, "We are the institutional memory of amateur radio in Northern California. We keep the best donated gear for the museum and make the rest available to members for sale and to the public (for funds) by Ebay. Tax write-offs are possible without documentation for anything valued under \$500 by the donor, and for anything over \$500 in value, the donor should get a written appraisal (one from a ham would likely work)." Download the ARRL Estate Planning Workbook at (www.arrl.org/estate-planning-workbook). See the CHRS gear donation page at (<https://californiahistoricalradio.com/support/have-an-estate-with-radios-to-sell/>).

* NTS 2.0 Handling Instructions and ARRL Numbered Texts

The ARRL's National Traffic System has for decades used three-letter codes for message handling instructions and one- or two-number codes for frequently used sentences or phrases in its highly structured message system. The NTS 2.0 committee has recently updated both of these code lists, which can be viewed online or downloaded in PDF or Docx format. Go to the below website, hover over the navigation bar item "Standards & Procedures" and click on the tabs for "Numbered Texts" and "HX Handling Instructions." Get them at (<https://nts2.arrl.org/>).

* Who Calls First?

An interesting question was in the August 6 edition of the League's NTS Letter that I think could apply to all nets, not just NTS.

"The question is, when a station is sent off net frequency by the NCS, who should call?

“That answer is the station that is going to RECEIVE the traffic picks the frequency, asks if the frequency is busy and calls first. That’s who needs to know if the frequency will work for traffic.”

The full answer in the NTS Letter provides much more detail and guidance on how to deal with other situations. Unfortunately, as I write this, the August edition is not yet on the ARRL website. It should get there eventually and will be found at (<https://www.arrl.org/nts-letter>). If you can’t wait, let me know and I’ll forward my copy to you.
[NCS = Net Control Station]

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Government News

* FCC Petition for Rulemaking on Our 900 MHz Band

The FCC is asking for comments on a Petition for Rulemaking by NextNav Inc. to “reconfigure the 902-928 MHz band ... and adopt new rules to enable the deployment of a 5G terrestrial positioning, navigation, and timing (PNT) network that ‘complements and backs up’ the U.S. Global Positioning System (GPS).” Comments are due this Thursday, September 5, 2024 and reply comments are due by Friday, September 20, 2024. Ham radio is secondary in this band, along with other services. “NextNav indicates that it will work with all the incumbents in the band, including ... amateur ..., and suggests that the Commission could place conditions on a newly issued NextNav license to ensure protection.”

ARRL is preparing comments urging protection of existing and future amateur uses in this band. ARRL urges all amateurs to study the proposal and file their own comments describing their activities in this band and the expected effect of the proposed changes.

Many more details, and a link for filing comments, are in the FCC’s Public Notice (which I urge you to read in detail), at (<https://www.fcc.gov/document/wtb-and-oet-see-comment-nextnav-petition-rulemaking>) [PDF, Docx or Text, 8 pages]. The ARRL’s news item is at (<https://www.arrl.org/news/arrl-urges-protecting-the-amateur-radio-902-928-mhz-band>), which I urge you to read thoroughly before submitting your own comments. A guide to filing comments is available at (<https://www.arrl.org/arrl-guide-to-filing-comments-with-fcc>).

* Radio Technology Training

The NSF’s NRAO has created Superknova, an online educational platform that provides inclusive, equitable access to radio technology learning and training. With a goal of helping prepare more people for careers in STEM, they’re offering numerous programs and courses, including no-cost training and education in the fundamentals of radio communications. Two of the courses help prepare students for the Technician and General Class ham radio licenses. There’s also courses on engineering fundamentals, radio astronomy, science fundamentals and the legal and regulatory foundations of spectrum management. The also have a citizen science project and other programs. Find out all about it at (<https://superknova.org/>).

[NSF = National Science Foundation. NRAO = National Radio Astronomy Observatory. STEM = Science, Technology, Engineering and Math.]

* FCC Renewing Its Consumer Advisory Committee

The FCC announced that it’s renewing the charter for its Consumer Advisory Committee and is soliciting nominations for membership. Nominations for membership are due by this Friday, September 6, 2024. According to the public notice, “The Committee’s mission is to make recommendations to the Commission regarding topics of particular interest to consumers that will be specified by the Commission.” Also, “The Commission seeks nominations from interested nonprofit organizations, corporations, trade associations, government agencies, or other entities from both the public and private sectors, who wish to be considered for Committee membership for a two-year term of service. Selections will be made based on factors such as expertise and diversity of viewpoints that are necessary to effectively address the topics before the Committee. Individuals who do not represent an organization, corporation, trade association, or entity, but who possess expertise valuable to the Committee’s work may also apply. However, any applicants who want to serve in their individual capacities should be aware that government ethics rules may require detailed disclosures as part of the consideration of their application to serve as independent subject matter experts”. Further details and a link to the nomination form are in the Public Notice at (<https://www.fcc.gov/document/fcc-consumer-advisory-committee-seeks-applications-membership-0>) [PDF, Docx or Text, 5 pages].

* FCC Adopts New Alert Code for Missing & Endangered Persons

The FCC issued a Report and Order that amends Part 11 of the Commission’s Rules Regarding the Emergency Alert System. Per the description, it “establishes a dedicated Missing and Endangered Persons event code to facilitate the more

efficient and widespread dissemination of alerts and coordinated responses to incidents involving all missing and endangered persons across multiple jurisdictions”, especially people who fall outside of the criteria for AMBER Alerts. The FCC web page, with links [all Docx, PDF and Text] to a news release [2 pages], the Report & Order itself [53 pages] and other documents, is at (<https://www.fcc.gov/document/fcc-adopts-new-alert-code-missing-endangered-persons-0>).

* FCC Approves Satellites for Cellular Broadband

From the Amateur Radio Newsline for August 9th, 2024

The FCC has approved the launch of a low-earth orbit communications array of five satellites on V-band that is expected to open the door for US smartphones to make use of space-based cellular broadband services across the nation. The satellites have been given the OK to operate in the 37.5 to 42 GHz range for space-to-Earth communications; and the ranges of 47.2 to 50.2 GHz and 50.4 to 51.4 GHz for Earth to space communications. Approval was also given for the use of 430-440 MHz for space-to-Earth and Earth-to-space transmissions, 2025-2110 MHz for Earth-to-space transmissions and 2200-2290 MHz for space-to-Earth transmissions. The approvals are granted to Texas-based AST Space Mobile for what the company is characterizing as the largest communications array in history in low-earth orbit.

The FCC Order is available at (<https://www.fcc.gov/document/grant-ast-application-operate-ngso-v-band-system>) [Docx, PDF & Text, 23 pages].

* NASA Spinoff – Sticking to Your Phone

A NASA-published technology on a sticky invention inspired a young entrepreneur to create a new product that, when attached to a cellphone, allows it to stick (and unstick, I hope) to almost any surface, such as mirrors or the back of airplane seats. Called the Flipstik, it’s a material that emulates the microscopic hairs on gecko toe pads. See the full article at (https://spinoff.nasa.gov/Flipping_NASA_Tech_and_Sticking_the_Landing).

* Post-Quantum Cryptography Standards

Not exactly radio-related, but I suspect most of you have a computer, so ...

For most of the history of internet encryption, all data passing through “the cloud” has been protected with an encryption scheme called RSA; which “is based on a simple fact—it is virtually impossible to calculate the prime factors of a large number in a reasonable amount of time, even on the world’s most powerful supercomputer.” But a quantum computer could whip that out in less time than it takes us to call “CQ”. To fix that, the NIST announced the standardization of three post-quantum cryptography encryption schemes. A fourth is expected to be standardized later this year. Quantum computers are still many years away, but it will take all those years to get these standards rolled out and incorporated into all computer devices, from coffee pots to self-driving cars. An article in the IEEE’s Spectrum magazine does a good job of describing all this in relatively plain English. It’s available at (<https://spectrum.ieee.org/post-quantum-cryptography-2668949802>). The NIST announcement, with links to the standards themselves, is at (<https://csrc.nist.gov/News/2024/postquantum-cryptography-fips-approved>).

[NIST = National Institute of Standards and Technology. IEEE = Institute of Electrical and Electronics Engineering. RSA = Rivest, Shamir, and Adleman (creators of the encryption scheme)].

* NSF and Space-X Develop Sky-Sharing System

The National Science Foundation and SpaceX have developed new methods of operation that allow science and industry to better share the radio spectrum. The new techniques will “enable radio astronomy telescopes to operate without interference from satellite transmissions. The techniques allow communities near radio telescopes to access high-speed internet without negatively impacting the telescopes’ observations of distant astronomical objects.” See the short article on NSF’s website at (<https://new.nsf.gov/news/radio-astronomers-satellite-internet-provider>).

* FEMA Offering Cybersecurity Awareness Training for CERT Volunteers

FEMA and CISA are working together “to provide a list of cybersecurity awareness training courses CERT volunteers can take to improve their ability to prepare for and respond to cybersecurity threats. The courses are self-paced and publicly available at no cost”. Course topics range from cyber essentials and fundamentals of cyber risk management to cyber ethics and mobile device security. See FEMA’s announcement at

(<https://community.fema.gov/PreparednessConnect/s/article/Cybersecurity-Awareness-Training-for-CERT-Volunteers-Now-Available>). To access the courses, go to (<https://community.fema.gov/PreparednessCommunity/s/cert-trainings>).

[FEMA = Federal Emergency Management Agency. CISA = Cybersecurity and Infrastructure Agency. CERT = Community Emergency Response Team.]

* VOA To Shut Mariana Islands Shortwave Operation

From the Amateur Radio Newsline for August 23rd, 2024

Citing a shrinking listener audience, high costs of operation and lingering damages inflicted by a Category 5 super typhoon in October of 2018, the Voice of America has decided to discontinue transmissions from its shortwave station in the Northern Mariana Islands. The Saipan and Tinian sites being silenced are part of the Robert E. Kamosa Transmitting Station. The United States Agency for Global Media has made use of the station for multi-language programs from Voice of America and Radio Free Asia. William Martin, director of the US Agency for Global Media's transmitting stations and operations division, said in a public statement: [quote] "After decades of operation, these facilities are being phased out as shortwave audiences migrate to other media. Although these closures mark the end of an era, they are also bittersweet, as in closing these stations we also say farewell to the people and communities that supported our mission for so many years." [endquote] Martin himself had been the station manager from 2013 to 2019. The Saipan site started broadcasting in 1982; Tinian, in 1999.

* Helping Children Prepare for Emergencies

If you have young children, or know someone who does, you may want to look into FEMA's "Prepare with Pedro" series of comic-style booklets. "Pedro is a penguin who loves learning about how he can be prepared and take action during an emergency to help stay safe." Currently, the booklets available are an emergency preparedness game and storybooks on hurricanes, extreme heat and wildfires. Other storybooks are being prepared, such as one for earthquakes. You can download PDF versions at (<https://www.ready.gov/kids/prepare-pedro>). You can also order multiple printed copies from FEMA's warehouse at (<https://orders.gpo.gov/icpd/ICPD#Youth%20Preparedness>).

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Other News:

* Lithium-Ion Battery Fire

The Tulsa Fire Department shared a video showing how a dog started a house fire by chewing on a lithium-ion battery. The home was significantly damaged, but the two dogs and cats inside the home escaped uninjured through a dog door. See it at (<https://youtu.be/nEh8L1-D93k>) [YouTube, 00:03:00]
[Thankx to Dan, K7REX, for the information.]

* 50-Year Nuclear Batteries in Development

Two U.S. companies are collaborating to compete with China's effort to develop a small nuclear battery that will have an extended lifespan of up to 50 years. Such a battery does not rely on chain reactions, as is the case in nuclear power plants. Rather, it "works by converting a radioactive isotope into electrical energy through its decomposition". The batteries are small, usually about coin-sized. Even so, the plan is to "address critical energy storage needs across various sectors, including medical devices, remote sensing, space exploration, and of course military use for various purposes." Get the full story at (<https://interestingengineering.com/energy/us-firms-nuclear-battery-nickel-63>).

* Merchant Navy Day

From the QRZ forum:

On Tuesday 3rd September 2024, special call sign GB0MND will be active on the HF Bands and flying the British Red Ensign from the seafaring town of South Shields, home of the world's longest operating marine training college. This is to commemorate Merchant Navy Day, 3rd September, and all merchant seafarers all over the world who work tirelessly, day in, day out, 24 hours a day, 365 days a year, keeping global trade afloat.

With over 95% of goods transported in the UK by sea, today, we continue to rely on seafarers onboard Merchant Navy ships to keep us fed, fueled and supplied.

GB0MND will be active in CW, SSB and Digital Modes. QSL via LOTW.

Get more details at (<https://www.qrz.com/db/GB0MND>).

* Route 66 On the Air-Reminder

2024 is the 25th year for the Route 66 On the Air event. It's "an annual special event to celebrate the history of the Mother Road". It will be held from September 7 to 15 this year, so get it on your calendar. And we'll have a Pacific Division twist this year. Our own Pacific Division Vice-Director, John Litz, NZ6Q and his wife Annie Lewis, N6ACL, will be operating

as special event call W6V, driving the route from Santa Monica, California to Chicago, Illinois, activating historic sites, points of interest and blogging it all. They'll operate on SSB, FT8 and CW from stop to stop, multi-op single transmitter, and both will be on the air when they stop for the evening. Get details about it all on the San Bernardino-based Citrus Belt ARC's website at (<https://w6jbt.org/>); and on the Barstow ARC website at (<https://wa6tst.club/route-66-on-the-air-2021/>). You may also email (route66ota@yahoo.com) with questions or for additional information.

Hamfests And Special Events:

* 09/14/2024

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

* 10/18-20/2024

Pacificon Convention. Location: San Ramon, CA. Sponsor: Mount Diablo Amateur Radio Club. Website: (<http://www.pacificon.org>)

* 10/18-20/2024

Pacificon 2024 Special Event Station. 1900Z-1900Z, W1AW/6, San Ramon, CA. Palo Alto Amateur Radio Association. 14.270 7.050. QSL. W1AW, 225 Main Street, Newington, CT 06111. (<https://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 – September

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

09/01/1859	The most intense geomagnetic storm in recorded history, called the Carrington Event, began, lasting into the next day; disrupting telegraph lines worldwide, among numerous other effects.
09/02/1869	ARRL co-founder Hiram Percy Maxim, W1AW, was born in Brooklyn, New York.
09/02/1938	The building housing ARRL station W1AW in Newington, Connecticut was inaugurated.
09/02/1984	The Pacificon Convention hosted the first ever license examination session coordinated by the ARRL VEC office. This followed a 1982 law (see below) and a July Memorandum of Agreement authorizing the ARRL to coordinate examinations.
09/02/2020	A cross band FM amateur radio repeater was activated on the International Space Station with a downlink on 437.800 MHz.
09/03/1928	At his laboratory in San Francisco, Philo Farnsworth held what is widely regarded as the first electronic television demonstration.
09/07/2006	SuitSat-1 re-entered the atmosphere after about 7 months in orbit. A repurposed decommissioned Russian spacesuit fitted with ham radio equipment, it transmitted short messages in a number of languages after being released from the International Space Station during a spacewalk.
09/11/1958	The FCC reassigned a portion of the amateur 27 MHz 11-meter band to the Class D CB service, creating what is commonly known today as "Citizens Band".
09/12/1958	Jack S. Kilby demonstrated the first working integrated circuit to managers at Texas Instruments in Dallas, TX.
09/13/1982	Public law 97-259 was enacted, amending the Communications Act of 1934 to permit the FCC to accept the services of private individuals and organizations acting to prepare and administer examinations for applicants wishing to obtain (or upgrade) an Amateur Radio license.
09/15/2003	The ARRL's Logbook of The World (LoTW) QSO database system for confirming contacts was released.
09/15/2004	The Amateur Radio Club of Alameda became affiliated with the ARRL.
09/17/2019	The Lamorinda Area Radio Interest Group became affiliated with the ARRL.
09/21/1973	The ARRL Foundation was founded, to provide philanthropic support for amateur radio through scholarships, club grants, and other programs to ensure a strong and vibrant future for the amateur radio avocation.

09/22/1791 Michael Faraday was born in Newington Butts, England. He is the namesake of the unit of capacitance.
09/25/1807 Alfred Vail, partner of Samuel Morse during the development of the Morse Code and telegraph system, was born in Morristown, New Jersey.
09/25/1928 The Galvin Manufacturing Corporation was founded. The company later changed its name to Motorola.
09/25/1956 The first transatlantic undersea telephone system, TAT-1, went into service between Canada and Scotland.
09/30/1947 The New York Yankees beat the Brooklyn Dodgers, 5-3, in Game 1 of the World Series—the first Fall Classic game broadcast on television.
09/30/2015 The Navy Military Auxiliary Radio System (MARS) ceased operation.
September National Preparedness Month

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New Hams:

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

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New Upgrades:

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

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Question & Answer:

In which of the following circumstances may the control operator of an amateur station receive compensation for operating that station?

B. When the communication is incidental to classroom instruction at an educational institution

[Technician Class question pool (2022-2026) no. T1D08 (<https://www.ncvec.org/index.php/2022-2026-technician-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: 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>

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