



May 2021

ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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E-mail: W6SBA@arrl.net



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President's Message

SBARC members,

Moving back toward normalcy: A group of the non-working members met at El Prado Park for a midweek morning coffee connection. I am hoping we can soon get past the masking of America, period. I have said it before, but I keep forgetting mine. That usually means a trip back to the car. I think this will now get us into planning a club at the park lunch meetup. I'll need to discuss this with the council but I am thinking June would work fine. We will need some food volunteers for this HHR event (aka, Hamburgers, Hot dogs, and Radios). Let's get this pandemic in the rear view mirror!

Field Day! The fourth weekend in June. Well, it looks like this will be another year, hopefully the last, of field day from home or where ever you individually decide to set up. Check the ARRL site for some rule changes. Field day has always been a main stay continuity activity for the South Bay Club. This event really takes team work to get it setup. It can be quite a physical activity. Those that have participated in the past at the TMMC parking structure know what I mean. This brings me to the point we will be at two years of not setting up as a group. So stay in shape, we are going to need all the club muscle we can muster for next year!

What's the latest club balloon flight operations? The latest prediction location by Greg-N6RRY indicates KK6BJ-14, and 15 balloons to be over the Pacific and approaching Hawaii. They are heading back toward our coast. Maybe there will be a chance to hear them directly if a Southern California pass occurs. Take a look at aprs.fi and search for KK6BJ-14 and KK6BJ-15. Looks like KM6BWB-3 has been lost at sea. The last check in was near Japan on 03-28-2021. We have learned that these balloons can linger a long time without checking in. It's always a surprise to see what we thought was a lost balloon check back in.

For our May club meeting, Riley Hollingsworth-K4ZDH will be our speaker. He has spent many years working toward the betterment of Amateur Radio. I would describe his primary activities of getting the Ham radio community to play by the rules. I am sure some of his excessive undisciplined rule benders needed some specially enhanced penalties to bring them into compliance. It should be very interesting to hear from someone of his unique amateur radio experience. Join us on Zoom on May 20, 2021 at 7:30PM. If you need the Zoom invite, please let me know. Please see the inside column page 3 for more details on this month's meeting speaker background.

Upcoming monthly club activities include, the SBARC virtual Zoom club meeting on May 20th at 7:30PM. And, the other things we use to do: The TRW/NGC swap meet remains cancelled until? (We are keeping an eye on this event to return.) After the swap meet a few of us use to head over to Denny's. These have all been suspended until after the COVID shutdown. Hopefully we are now getting closer to getting these activities back.

As always, it's your amateur radio club, let us know what you would like to see happening with your club

73's...
Scott-N6LEM



CLUB OFFICERS

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Past Pres: OPEN

“Elmer” Inspiration, Elmer “Bud” Frohardt Jr, W9DY, SK

ARRL.com 03/24/2016 (submitted by Tim, KI6BGE)

The ham radio mentor who inspired the term “Elmer” — Elmer P. “Bud” Frohardt Jr, W9DY (ex-W9GFF), of Madison, Wisconsin — died on March 22. He was 93. A friend and co-worker of the late Rod Newkirk, W9BRD (later VA3ZBB), who edited QST’s “How’s DX?” column, Frohardt was the “Elmer” that Newkirk had in mind when he used the name in his March 1971 column, referring to someone who helped to mentor new Amateur Radio licensees and calling them “the unsung fathers of Amateur Radio.”



“Too frequently one hears a sad story in this little nutshell: ‘Oh, I almost got a ticket, too, but Elmer, W9XYZ, moved away and I kind of lost interest,’” Newkirk had written. “We need those Elmers. All the Elmers, including the ham who took the most time and trouble to give *you* a push toward your license, are the birds who keep this great game young and fresh.”

On AC6V’s “[Origin of Ham Speak](#)” web page, John Becker, K9MM, is quoted as saying, “Bud was very well known locally for his involvement with the RAMS (Radio Amateur Megacycle Society) radio club, and he was always helping newcomers to the hobby.”

An ARRL Life Member, Frohardt, who preferred to be called “Bud,” had worked as a communications technician for the Illinois State Police, retiring in 1986. Licensed in the 1930s, he was a veteran DXer, eventually working all 381 countries at that time from his former home in Chicago. When he moved into an antenna-restricted neighborhood in the 1990s, he enthusiastically began chasing DX from his car, racking up 326 entities while operating from the back seat. He also was active in the annual Illinois QSO Party, which he managed at one point.

“Am most proud of all the wonderful young people I have been able to interest over the years in science, radio, DX, CW, and electronics,” Frohardt wrote on his QRZ.com page. “Many of them have become excellent operators, engineers, scientists, doctors or business people.” — *Thanks to The Daily DX*



Meeting

April 15th at 7:30 p.m.
on Zoom

Expect an email with the invite to the meeting. Click the link in the email and Zoom software launches to join.

We wish to welcome Riley Hollingsworth-K4ZDH and are honored to have him at our South Bay ARC general membership Zoom meeting as our guest speaker on May 20, 2021 at 7:30PM. Riley first licensed in 1961 as KN4ZDH was well known to us amateur radio operators during his 10 year tenure at the FCC enforcement program in the Amateur Radio Service. While enjoying every day of his career which was the greatest privilege of his life giving him the opportunity to pay back in some way all the joys and rewards Amateur Radio gave him. “Remember that every gift of lasting value comes with responsibility, and enjoy Amateur Radio as it joyfully occupies your lives. How lucky we are to appreciate the magic of radio!” (From QRZ K4ZDH Biography) This is our watch for our great Amateur radio service for our children and grandchildren.

One must remember “that every gift of lasting value comes with responsibility, and enjoy Amateur Radio as it joyfully occupies your lives”. How lucky we are to appreciate the magic of radio.

He was presented the QCWA Presidential Award in 2000 and is well known for many other awards. Riley has now taken on the implementation of the “ARRL/FCC Volunteer Monitor Program” for the ARRL. This is the new ARRL Volunteer Monitors (VM) program and is up and running having around 160 Volunteer Monitors who began monitoring for the ARRL. This is a new phase of cooperation and enforcement in the Amateur Service.

Please be sure to join us and hear Riley explain how and what they are looking for and how they overall monitor and Good Operator recognition which began in March of last year. This VM program, which replaces the Official Observer Program (OO), is now up and running since 2020.

First-Time Exam Applicants Must Obtain FCC Registration Number before Taking Exam

ARRL.com 05/06/2021

Beginning May 20, 2021, all amateur examination applicants will be required to provide an FCC Registration Number (FRN) to the Volunteer Examiners (VEs) before taking an amateur exam. This is necessary due to changes the FCC has made to its licensing system.



Amateur candidates who already have an FCC license, whether for amateur radio or in another service, already have an FRN and can use the same number. All prospective new FCC licensees, however, will be required to obtain an FRN *before* the examination and provide that number to the volunteer examiners on the Form 605 license application. An FCC instructional video provides step-by-step instructions on how to obtain an FRN through the FCC's Commission REgistration System (CORES).

The FRN is required for all new applicants to take an amateur exam and is used afterward by the applicant to download the license document from the FCC Universal Licensing System (ULS), upgrade the license, apply for a vanity call sign, and to submit administrative updates (such as address and email changes) and renewal applications.

In addition, after June 29, all applications will be required to contain an email address for FCC correspondence. Applicants will receive an email direct from the FCC with a link to the official electronic copy of their license whenever a license is issued or changed. ARRL VEC suggests that those without access to email to use the email address of a family member or friend. Licensees will be able to log in to the ULS using their FRN and password to download the latest version of their license at any time. The FCC no longer provides paper license documents.



Please join us on W6SBA 224.38 minus offset and the PL 192.8 hz 7:30pm on Thursdays. You can share any info or just say hello!

ARISS-USA Seeks Volunteers to Further its Mission

ARRL.com 04/29/2021



The US segment of Amateur Radio on the International Space Station (ARISS-USA) is seeking volunteers to support its mission. ARISS-USA is best known for providing opportunities, mostly for students, to speak via ham radio with astronauts on board the ISS. Less known is its important role in providing and supporting amateur radio equipment for the ISS (NA1SS), which could offer back-up communication in an emergency. Its primary objective is educational — to inspire, teach, and engage youth and communities in science, technology, engineering, arts, and mathematics via amateur radio.

“We are seeking knowledgeable and enthusiastic volunteers who can work effectively as part of a team to support a variety of functions and roles,” said ARISS-USA Executive Director Frank Bauer, KA3HDO. “We have volunteer openings in several senior leadership roles, including Associate Director, Treasurer, Secretary, Director of Business Development, Director of Volunteer Resources, Director of Public Engagement, and Director of Engineering.” ARISS also has volunteer opportunities to support functions within those roles, as well as openings within the ARISS-USA Operations, Engineering and Education teams. An amateur radio license is desirable.

Details on responsibilities for these positions are contained in the ARISS-USA *Bylaws* (see Articles V and VIII).

Candidates accepted into senior leadership positions will be required to serve a 6-month probationary period. All candidates for senior leadership positions must be US citizens.

Submit resume or CV with a cover letter explaining what position(s) you are interested in supporting.

ARISS-USA is an Equal Opportunity Organization and will not discriminate on the basis of gender identity, age, race, color, national origin, religion, physical handicap, disability, or any other legally protected status. In the US, ARISS sponsors include ARRL, AMSAT, NASA, the ISS National Lab-Space Station Explorers, and NASA's Space Communications and Navigation program.

ARISS-USA, is a 501(c)(3) charitable, educational, and scientific non-profit incorporated in the State of Maryland.

Bill Introduced to Designate April 18, 2022, as National Amateur Radio Operators Day

ARRL.com 04/27/2021

Arizona Congresswoman Debbie Lesko has reintroduced a resolution with bipartisan support to designate April 18, 2022, as National Amateur Radio Operators Day. Introduced on April 19, the measure recognizes the important contributions amateur radio operators have made. She introduced a similar bill in the last Congress.



“Throughout history, amateur radio operators have provided invaluable services to our communities,” Lesko said in a news release. “I am proud to reintroduce this resolution to honor the important contributions amateur radio operators have made in Arizona and across our nation. Amateur radio has brought people together and has provided critical emergency communications during natural disasters. Amateur radio is a vital part of our nation’s communications infrastructure.”

Lesko said she was initially approached to introduce the resolution during the last Congress by then-12-year-old Raymond Anderson, N7KCB, of Peoria, Arizona.

As Lesko’s resolution notes, the International Amateur Radio Union (IARU) designates each April 18 as World Amateur Radio Day, to recognize the founding of the IARU in 1925. She said her resolution would recognize the amateur radio community with a national day in the US. The resolution cites the Amateur Radio Emergency Service (ARES®) for providing “invaluable emergency communications services following recent natural disasters, including, but not limited to, helping coordinate disaster relief efforts following Hurricanes Katrina, Wilma, and Maria and other extreme weather disasters.”

ARRL President Rick Roderick, K5UR, praised the initiative. “The voluntary contributions of America’s approximately 774,000 amateur radio operators in support of the critical communications infrastructure of the United States are rarely recognized,” Roderick said. “Congresswoman Lesko’s resolution is an important first step in correcting that oversight. On behalf of ARRL’s members and all amateur radio operators, I commend Congresswoman Lesko for her support of amateur radio and her leadership in bringing deserved recognition of the 106+ years of amateur radio’s substantial influence on the development of modern communications.”

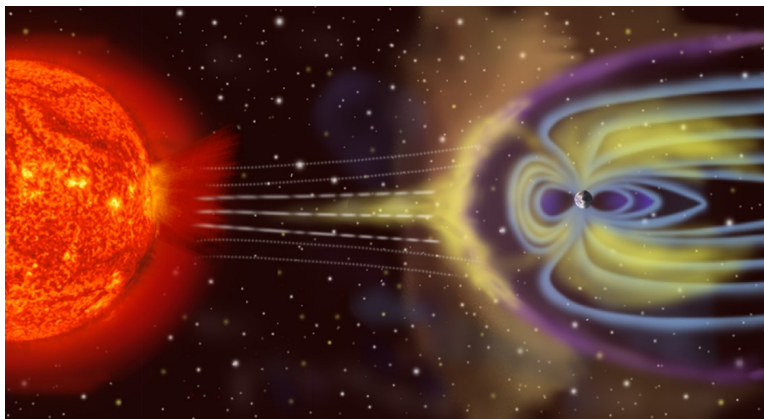
Lesko was joined by members of both parties as original cosponsors of the resolution. The list includes Representatives Robert Aderholt of Alabama; Julia Brownley of California; Kat Cammack of Florida; Paul Gosar of Arizona; Glenn Grothman, of Wisconsin; Vicky Hartzler of Missouri; Ashley Hinson of Iowa; Chris Jacobs of New York; Kaiali’i Kahele of Hawaii; Mike Kelly of Pennsylvania; Doug LaMalfa of California, and Daniel Webster of Florida.



SAVE THE DATE: June 26th –27th

“Geomagnetic Storm Season” is Over

ARRL.com 05/12/2021



June and July bring frequent 6-meter DX openings via long-distance sporadic-E propagation and persistent quiet geomagnetic conditions. These 2 months are well known to North American 6-meter DXers as the most productive time of year for DX up to 8,700 miles.

“The quiet geomagnetic season during June and July typically has only about half as many geomagnetic storms compared to March and April,” says contester and solar observer Frank Donovan, W3LPL. The planetary Kp index is usually about two points lower than during March and April, and severe (Kp = 8 or 9) storms are very infrequent, but the quiet geomagnetic season doesn’t mean the end of geomagnetic storms. Two of the most severe (Kp = 8+) geomagnetic storms during Solar Cycle 24 occurred on June 22 and 23, 2015.

Storms during June and July are not as frequent, strong, or as long lasting as they are during the geomagnetic storm seasons of March/April and September/October, but even the most severe storms (Kp = 8 or 9) can occur at any time with little warning.

We’ve had two moderate (Kp = 6) storms so far in 2021, both during March. We also had eight minor (Kp = 5) storms: five in March and one each in January, February, and April.

“June and July 2020 were exceptional for 6-meter DX via sporadic E, and these normally geomagnetically quiet months were exceptionally quiet — the quietest since 1996,” Donovan said. “I made more than 500 European QSOs during June and July, more than 100 QSOs with stations in Japan (11,000 kilometers) during June, and one very unexpected QSO with UN3GX (10,500 kilometers) in mid-June.”

Donovan noted that no geomagnetic storms occurred in June and July 2020; the last time this occurred was June and July 1996. Only four brief geomagnetically active (Kp = 4) periods occurred in 2020 (June 7 and July 14, 24, and 25). The rest of 2020 was also exceptionally quiet with only one moderate storm in late September — and eight minor storms, he said. “June and July 2019 had two minor storms — on June 8 and July 9 and 10. There were only two moderate storms in 2019 — in May and August — and 15 minor storms.”

June and July 2018 saw three minor storms — June 1 and 25/26 and July 5. Just two moderate storms happened in 2018 — in May and August — and 16 minor storms, Donovan said.

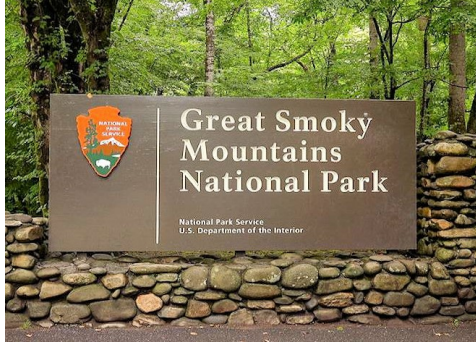
“Coronal mass ejections (CMEs) caused 2017 to be much more geomagnetically active. June and July 2017 had two moderate storms on July 16 and 17 and three minor storms on June 11 and 16 and July 9,” Donovan said. “Three strong-to-severe (Kp = 7 to 8) storms occurred in September and May, with 12 moderate storms, and at least 33 minor storms occurred throughout the year.”

Donovan observed that Earth-directed CMEs are just beginning to cause occasional geomagnetic storms now that Solar Cycle 25 is somewhat more active. “During the next few years, CMEs will become the dominant cause of moderate-to-severe geomagnetic storms,” he said. “Geomagnetic storms caused by CMEs usually develop more quickly, are more long lasting, and are more severe than the typically brief, minor storms caused by coronal hole high-speed streams during the approximately 4 years near solar minimum.”

Amateur Radio Credited with Rescue of Back-Country Hiker in Tennessee

ARRL.com 04/28/2021

A back-country hiker was rescued from Great Smoky Mountains National Park with assistance from amateur radio after she became exhausted on the trail and possibly dehydrated. A member of the hiking group on the park's Little River Trail, Tim Luttrell, KA9EBJ, put out a call on the evening of April 11 via the W4KEV linked VHF repeater in Gatlinburg, Tennessee, requesting assistance in extricating the injured member. No cell phone service was available at the location, and Luttrell's signal was spotty at times, owing to the mountainous terrain.



Responding was David Manuel, W5DJR, who obtained more information and called 911, which routed the call to Great Smoky Mountains National Park Emergency Medical Service (GSMNP EMS). The national park EMS relayed through Manuel a request for the group to continue down the trail as far as possible to shorten the rescue time. Parties were asked to stand by.

A medic with the Park Service search-and-rescue team subsequently reached Manuel by telephone, who served to relay questions to Luttrell. Manuel contacted members of the hiker's family after Luttrell provided contact numbers. Manuel was asked to relay information for the family to arrange to meet in Cherokee, North Carolina, and be prepared to transport the distressed hiker's vehicle to her home. By this time, a couple of hours had passed. Manuel maintained occasional contact with Luttrell, who indicated that all was well but his battery was low and that he would power down the radio in between contact attempts to conserve power.

Manuel continued to monitor the repeater system and got a call from Luttrell indicating "all clear" shortly after 2 AM. Manuel later received a text indicating that the family members had connected with the distressed hiker and extended their thanks to all who had helped out.

Luttrell said afterward that Manuel "was calm, professional, and persistent but patient in obtaining information he needed through the challenges I was having with my radio." He allowed that without his spare battery pack and high-gain antenna, the incident may not have gone so well. A newer radio had been damaged in an earlier rescue effort, he told ARRL Tennessee Section Manager Dave Thomas, KM4NYI.

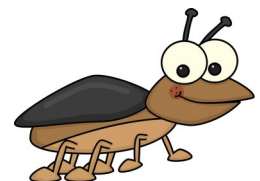
The injured hiker was hospitalized and required surgery and rehabilitation. Thomas told ARRL that he'd learned another hiker in the same group was close to hypothermia by the time they were rescued.

Thomas will recognize each of the radio amateurs involved in the rescue with a Certificate of Merit during the ARRL Tennessee State Convention in Knoxville on June 19.



Mayflowers bring pilgrims

May Flowers will bring June Bugs



Anyone else have any ideas???

CALENDAR

Council Meeting - 4th Wednesday of the month
Call Joe - WB6MYD (310) 328-0817

Club Meeting - 3rd Thursday of the month
May 20, 2021 - 7:30 p.m.

Via Zoom

(look for email invite from
jmlanphen@gmail.com a few days before)

Club Nets - **W6SBA WEEKLY NET**
Every Thursday @7:30pm
(except the night of club meetings)
PVUSD EMERGENCY NET
1st Tuesday of the month
09:30 Hours on the W6SBA repeater

TRW Swap Meet **Cancelled Until Further Notice**

VE Sessions - **Cancelled due to Covid-19**
Contact Betty, N6VZF, with questions
(All VE sessions are scheduled for Room 4 in the Health
Conference Center)

Social Event - **Contact: Joe WB6MYD**
Phone: (310) 328-0817
jmlanphen@gmail.com

CLUB SERVICES

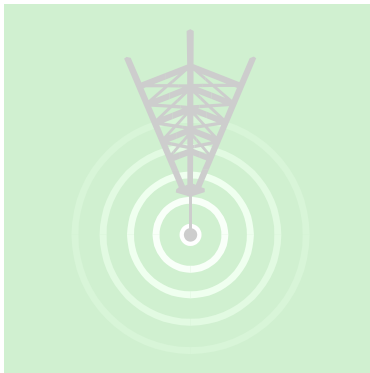
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South Bay Amateur Radio Club Repeater
224.38 MHz · PL - 192.8 Hz Offset -1.6 MHz
(See Calendar for Weekly Net Times)

NEWSLETTER SUBMISSION

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