



October 2021

ARCO *vet*

A Community Service Organization Dedicated to Amateur Radio Since 1970

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E-mail: W6SBA@arrl.net



Website: <http://www.w6sba.org>

SBARC members,

We have a picnic planned for Saturday October 23rd! From 10am to about 3:00pm at De Portola Park. De Portola Park is at 25615 Lazy Meadow Dr, Torrance, CA 90510. We have decided to modify the Arc-Over publication to quarterly basis. The newsletter will be published in the months of January, April, July, and October before the club meeting. It's plenty of work to put it together each month and I didn't feel it receives enough member review. We will have a monthly email for interim club activity updates. As for the meetings, we are still on with Zoom. Zoom has its pluses with affording the opportunity for out of the area speakers to participate. Many of them have been excellent and the club would never have had the opportunity hear from them being limited to only the in person setting. But we need to reestablish an in person meeting presence. I would like to hear from members with any meeting location ideas that we could use until a return to TMMC can be reestablished.

Important: We have a club officer election coming up in November. I would encourage you to give an officer position on the council consideration or return again if you have been there in the past.

We have had another balloon launch. This time under the call of Bruce, KK6BJ. Our balloon team launched another balloon this morning at about 9:50AM from TMMC parking structure on 10-16-2021. It has several transmitters on board but will show up only on WSPR-D. I just checked WSPR and it looks like it's over Colorado headed toward Cheyenne Wyoming. The WSPR_D map is not quite as intuitive and detailed as APRS mapping. I'll leave the WSPR map detail deciphering to the balloon flyers.

Ray Day - N6HE will be our October meeting speaker. Ray will speak about the Nano VNA's operation and measurements. I recently purchased one of the larger 4.3" screen units. As someone who has used the very big dollar instruments, I was impressed what capability was placed into the size of the package and with a touch screen. I used it to sweep my HFEF wire antenna from 1.5 MHz to 30MHz. It can be a very useful instrument full for modifying antennas and verifying filters. Join us on October 21, 2021 at 7:30PM for Ray's Nano VNA presentation. We are still on Zoom since our meeting room access is still on hold. Please let us know if you need a Zoom meeting link. (FYI: Zoom links is the same each month.)

We hope to see you at the upcoming club picnic on the 23rd, and the TRW/NGC swap meet on the 30th. We are back in business at the swap meet. Thanks to Tom and Chuck for keeping it going for the club.

73's...
Scott-N6LEM



CLUB OFFICERS

President:

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Vice President:

Joe -WB6MYD, 310-328-0817 wb6myd at gmail dot com

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Treasurer:

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Council: OPEN

Council:

Greg-WQ9P , 310-702-9312 wq9p at arrl dot net

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Council:

Mark—KA6ZTO, 714-642-1126 ka6zto at yahoo dot com

Past Pres: OPEN



CLUB MEETING

JOIN US ONLINE

October 21st at 7:30 p.m.

Presenter: Ray Day N6HE

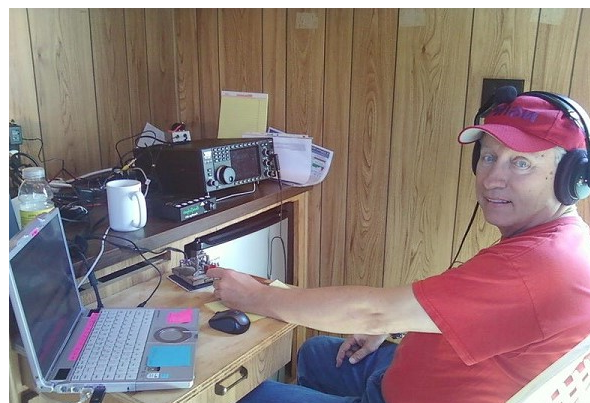
Topic: Nanovna 10KHz-1.5Ghz Vector Network Analyzer Kit, SEESII MF HF VHF UHF Antenna Analyzer Measuring S Parameters, Voltage Standing Wave Ratio, Phase, Delay, Smith Chart with 2.8" Touch Screen.

Ray started as WN4LFP in Miami Springs, FL on 12/7/62 with a Globe Chief and a National NC-188. His Elmer was Chuck Bolvin (now a SK)

W4LVV, then K4KQ. WA4LFP in 1963 in FL and Atlanta, GA (Georgia Tech). WA2TEI in NY in 1969. W B 6 Jelly Filled Doughnut (9/26/75) in CA, then N6HE (8/12/77). I turned 77 in November 2020.

Ray graduated from Georgia Tech in 1966 as an RF-oriented Electrical Engineer. Member of TKE fraternity. Have worked for Pan Am (1962 - 1974) and Continental Airlines (1974 - 1982), and have been an independent financial planner since 1982.

He is also an ARRL Volunteer Examiner and was a ARRL Official Observer and LAX Section Official Observer Co-ordinator.



TRW Monthly Ham Swap Meet

In August, the, TRW, Officially known as the W6TRW Swap Meets, opened back up after being shut down since early last year. The South Bay ARC was there as usual. Tom KI6RC had been storing the inventory since then and had plenty of goodies to sell. The vendor crowd was a bit light but there were plenty of buyers. Several club members stopped by the club slot to chat and hang out a bit.



Be sure to stop by and visit our location when you come to the swap meet. We are located just west of the coffee truck and should have the big blue club banner on display. There are lots of vendors and bargains to be had on all kinds of ham and electronic gear.

The swap meet is held on the last Saturday of every month rain or shine from 7:00 AM until 11:00 AM. TRW (now Northrop Grumman) swap meet is located in a large parking lot on Aviation Blvd, between Manhattan Beach Blvd. and Marine Blvd. Park to the north of the meet in the parking lot on Marine Blvd.

Chuck K6CSH—Swap Meet Chair



At the December meeting we will be holding our annual election for the 2022 board. If you are currently in a position, please confirm now with Scott— N6LEM if you plan to continue or not so we can see which positions need filling.

Once we have a clear picture, we'll give a shot out soliciting interested members to fill any openings.

As we all know any club only works well when its members step up to help out. We're a chill group so the demand isn't too great; attend the monthly meetings is the main role of board members.



Based on feedback received during the September club meeting, the board voted to change the club newsletter publications to quarterly rather than coming out every month. This decision is effective immediately so, the October edition is the last newsletter for the 2021.

In 2022, newsletters will be produced in January, April, July, and October.



October:

- **14th:** The Net* @7:30pm
- **21st:** Zoom Club Meeting @7:30pm
- **23rd:** Pinic@De Portola Park 10am- 3pm
- **28th:** The Net* @7:30pm
- **30th:** TRW Swap Meet 7:00-11:00 am

November:

- **4th:** The Net* @7:30pm
- **11th:** The Net* @7:30pm
- **18th:** Zoom Club Meeting @7:30pm
- **25th:** Thanksgiving; No Net??
- **27th:** TRW Swap Meet 7:00-11:00am

December:

- **2nd:** The Net* @ 7:30pm
- **9th:** The Net* @ 7:30pm
- **16th:** Zoom Club Meeting @7:30pm
- **23rd:** The Net* @ 7:30pm
- **30th:** The Net* @ 7:30pm

**Join us on the W6SBA 224.38 192.8pl repeater for our SBARC Thursday night net.*

ARRL Continues Its Efforts to Preserve Amateur Radio Secondary Use of the 3 GHz Band

ARRL.com 10/7/21

ARRL President Rick Roderick, K5UR, in a written statement on the newly filed H.R.5378 before the U.S. House Commerce Communications and Technology Subcommittee on Wednesday, urged Congress to direct the FCC to preserve Amateur Radio's secondary use of the 3 GHz band.



President Roderick's statement was the result of a quick, well-organized response by ARRL to counter the continuing threat to Amateur Radio's secondary use of the 3 GHz band.

Approximately 10 days ago, ARRL became aware of a provision in the \$3.5 Billion Budget Reconciliation Bill that would have required approximately 200 MHz of the 3.1-3.45 GHz band be reallocated to the use of 5G vendors. Moving swiftly, the ARRL Executive Committee authorized FCC counsel to begin preparations to respond. But, confronted with the probable delay of the Reconciliation Bill and an uncertain future for the 3 GHz provisions, Subcommittee Chairman Michael Doyle (D-PA-18) and Rep. Matsui (D-CA-6) introduced similar reallocation language on September 29, 2021 as H.R.5378 (117th Cong., 1st Sess.) and scheduled hearings on it and related communications bills for Wednesday, October 6, 2021.

The Executive Committee and the Legislative Advocacy Committee immediately tasked ARRL's lobbyists to initiate efforts to obtain support for ARRL's position. Meetings were held on short notice to request support with the offices of Subcommittee Members Kinzinger (R-IL-16) and Walberg (R-MI-7), as well as with Reps. Larson (D-CT-1) and Courtney (D-CT-2).

In addition, ARRL's lobbyists, Atlantic Vice Director Bob Famiglio, K3RF, and Washington Counsel David Siddall, K3ZJ, met with Chairman Doyle's Chief of Staff on October 1, to explain the importance of Amateur Radio maintaining authority to operate in the 3.3-3.45 GHz band.

In a written statement submitted to the Subcommittee in conjunction with the hearing, Roderick emphasized that permitting Amateur Radio to continue to have

use of the 3.3-3.45 GHz band on a strictly secondary, non-interfering basis will provide full protection to commercial licensees with exclusive licenses and further the public interest in providing a means for continued technological innovation. President Roderick's full testimony is available on the ARRL website.

Despite vigorous opposition from ARRL and others, the FCC in 2020 ordered the "sunsetting" of the 3.3 – 3.5 GHz band in order to auction the spectrum to commercial 5G providers. The Commission allowed amateur operations to continue in the lower 150 megahertz of the band, 3.3 – 3.45 GHz, until it acts in a future rulemaking to address that spectrum. Amateur operations were allowed to continue in the upper 50 megahertz, 3.45 – 3.5 GHz, only until 90 days after the auction including that spectrum has closed. The auction began this week; it is likely that operations will have to cease in February or March, 2022.

"A core standard of spectrum policy should be to maximize use of this valuable but finite spectrum resource," Roderick told the panel. "The [FCC] in earlier proceedings adopted a variety of methods to share and maximize use of the spectrum by radio amateurs and others, but in its latest 3 GHz proceeding it did not do so, despite hundreds of comments filed by radio amateurs."

Roderick said that if the current policy continues, existing spectrum at 3 GHz being addressed in H.R.5378 "will be cleared indiscriminately," leaving "significant spectrum resources vacant into the foreseeable future while radio amateur experimentation and operation will be forced to cease for no reason except regulatory myopia. It need not be so."

Roderick pointed out that in earlier proceedings, the FCC adopted methods to ensure unencumbered spectrum access by primary users while accommodating secondary users on a non-interference basis. "These methods work well and remain effective without complaint in other frequency bands, and also should be applied to the 3 GHz band," he said.

Primary commercial users "would rarely use all of their licensed spectrum throughout their entire licensed service areas," Roderick said. In its recent 3 GHz proceeding, however, the FCC "went beyond merely prohibiting amateur operations in areas and at times when primary Commission licensees might use the spectrum," ruling instead that all amateur operation in the subband being auctioned must terminate within 90 days of the auction's close. Roderick told

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The Premiere of NIGHT, the Movie

ARRL.com 10/14/2021

During the Edmond (Oklahoma) Amateur Radio Society's ARRL Field Day 2021, Marcus Sutliff, N5ZY, spoke with visitors from John D'Aquino's Young Actors Workshop ([YAW](#)) and learned of their plans to make a short film in which amateur radio plays a role, and they needed some help. The filming was to take place in Stillwater, Oklahoma, and they needed someone with film or video experience and someone who could serve as a technical advisor. Kevin O'Dell, N0IRW — a member of the ARRL Public Relations Committee — became involved in the project, and in short order, he was able to assemble radios and props, consult on the script, and get ready for a long day of filming.



The film's purpose is to give aspiring young actors a chance to hone their craft in a real movie environment. Thanks to the Oklahoma Film and Music Office, they were able to shoot three movie shorts in Oklahoma. In the Camp Hollywood 2021 film *NIGHT*, the young actors mature as the movie progresses.

The story begins on a day when the sun mysteriously has failed to rise. One character mentions firing up grandpa's ham radio. His younger brother reminds him that he once called ham radio "the dinosaur's internet," but now it could be one source of help or information. The actual internet is down, along with power, telephones, and apparently satellites. All the adults are conveniently absent. The ending will leave you hoping for *NIGHT 2*. The movie premiered recently and is now available on YouTube as a 34-minute short.

O'Dell stars as the ham radio voice of Colonel. He and Sutliff appear in the credits, so stay through the end.

ARRL Continues Its Efforts to Preserve Amateur Radio Secondary Use of the 3 GHz Band Continued

told the FCC that it is not logical for the Commission to leave spectrum unused before licensees start using it.

"ARRL, on behalf of the more than 750,000 amateur licensees in the United States, respectfully requests that Congress take this opportunity to instruct the Commission in H.R.5378 that radio amateur secondary uses should continue to be authorized in the 3 GHz band," Roderick concluded. He said there is no technical basis for removing amateur secondary operations from the 3 GHz band where radio amateurs "long have used the bits and pieces of unused spectrum for technological innovation."

H.R.5378 is not yet law, and ARRL's efforts to preserve the right of Amateur Radio licensees to use 3.3-3.45 on a secondary basis will continue.

President Roderick expressed, on behalf of ARRL, appreciation for the support and efforts of Chairman Doyle and Reps. Larson, Courtney, Kinzinger, and Walberg to meet with ARRL representatives on short notice and include ARRL's position on H.R.5378 in the Committee's hearing record.



California Club Assists Animal Rescue Group with Communication Support

09/13/2021

The El Dorado County Amateur Radio Club (EDCARC) has been providing radio communication support for small and large-animal rescue efforts during the Caldor Fire. Members of the South County Large Animal Rescue (SCLAR) group, El Dorado County Animal Services, and other volunteers have been addressing the need. Many of the EDCARC volunteers are also members of the Club's Neighborhood Radio Watch program.



As the Caldor Fire destroyed the community of Grizzly Flats, threatened Lake Tahoe, and caused evacuations in dozens of communities throughout the county, thousands of area residents were forced to flee their homes without having time to round up their pets and livestock.

"We desperately love our animal companions, whether big or small, and being separated and unable to care for them in the midst of a disaster is truly heart-wrenching," said Alan Thompson, W6WN, the club's Public Information Officer. "Because of the mountainous terrain, many of our neighborhoods already had little or no cell or internet communication, and the fire only made things worse."

Thompson said the club quickly deployed its Mobile ARES Communications Center, maintained by Jay Harmor, KE6GLA, which is in service as central net operations. Several members stepped up, including Dale Dennis, KJ6HHY, from Yolo ARES, and Tom Newman, NN6H, from Alameda County RACES (and part of the Alameda County Sheriff's Communications Team, to volunteer their time and radios to accompany the animal rescue teams dispatched into impacted areas. Teams of SCLAR members, Animal Services personnel, public employees, and radio communications staff have been conducting daily animal rescue missions and welfare checks throughout the impacted areas. Until residents are permitted to return, these teams are providing food, water, and care to abandoned animals.

Thompson said those seeking an animal evacuation or welfare check should contact El Dorado County Animal Services — western slope, (530) 621-5795 or the shelter at (530) 621-7631. In the South Tahoe area, call (530) 573-7925.

Data on Number of Radio Amateurs Worldwide Needs Updating

ARRL.com 10/04/2021

The oft-cited figure of 3 million radio amateurs worldwide may need updating. That number was what the International Amateur Radio Union (IARU) published in 2000 for the global head count. The IARU once regularly collected amateur radio population statistics, but stopped the practice around the point when the worldwide amateur radio population began to decline.



Data available elsewhere for a few major countries shows a steady decline in radio amateurs since 2000, with the exception of the US, where ham licenses — not necessarily licensees — number some 780,000 to date in 2021. Japan's ham radio population has dropped by more than 600,000 over the past 2 decades; as of 2015, it was 435,581, according to JARL. China boasts more than 174,000 radio amateurs as of 2021. According to 2018 statistics, Thailand has 101,763 hams; the UK has 75,660, and Canada has 70,198.

But, the specific size of the worldwide amateur radio population remains open to speculation, although a 2021 figure of 1.75 million may be closer to the truth. — *Thanks to Southgate Amateur Radio News, other sources*

CALENDAR

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

Club Meeting - 3rd Thursday of the month
October 21, 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 **Last Saturday of the month**

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

Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
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VE Test Liaison & Sessions	Betty Barch-N6VZF N6VZF@arrl.net (310) 545-6422
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Proofreader	Scott - N6LEM

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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TO:



Address Correction Requested

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