



December 2020

ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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E-mail: W6SBA@arrl.net



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

President's Message

SBARC members,

Here we are at December 2020, years end. This year seems to have gone by fast. For many, probably not fast enough. We have another holiday to make the best of, Christmas. These holidays are more challenging trying to hang out with family and friends due to the social distancing rules. Again, we'll all have to enjoy family and friends at a safe distance, if at all. Then there's shopping. I never enjoyed the holiday shopping sport of dodging people in a crowded mall. Certainly not a healthy sport this year. This Christmas is one time where online shopping is a healthy choice!

We have some new officers headed to the club's council chambers for the 2021 club year. Randy N6BXP, Secretary; Tim KI6BGE, Member at Large; Mark KA6ZTO, Member at Large. Returning officers: Treasurer, Betty N6VZF; Vice President, Joe WB6MYD; President, Scott N6LEM; Jim-W6IVW and Greg-WQ9P are also staying on as Members at Large. The new club year starts January 1st. Thanks to the new members for moving up or staying on. It's your amateur radio club, let us know what you would like to see happening with your club.

How are we going to pay for that next balloon flight, being that each flight is a few hundred dollars? Well, the Tom and Bruce balloon crew had an idea. Raffle off a balloon launch to the club members with the winners call sign on board. This raffle was successful in raising funds to launch a balloon on November 6, 2020 at 9AM. Our new member Greg-N6RRY was the lucky one and so this balloon carries his call sign. If you would like to track it, Google "aprs.fi" and then search for N6RRY-11. At the time of this writing, Greg's balloon has fully circumnavigated the earth and is on its way for hopefully a successful second pass.

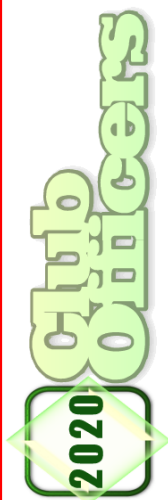
The December meeting will be held on Zoom. The club leadership will send out a Zoom invite. Click on the link, enter the password, and you should be good to go. This month we will have Bill Shanney, W6QR former TRW RF engineer, as our guest speaker. Bill will be presenting "Getting the most from a city lot". This no doubt means over coming antenna limitations. Many of us can relate to these type of space constraints. You don't want to miss this presentation. Please join us.

Upcoming monthly club activities include, the SBARC club meeting on December 17th on Zoom, and at the time of writing this, the TRW/NGC swap meet remains cancelled. After the swap meet a few of us use to head over to Denney's. This has been suspended until after the COVID shutdown.

Have a nice Christmas and thanks for your club participation, stay healthy, stay in touch, and see you at the next SBARC virtual meet up!

73's...

Scott-N6LEM



President:

Scott -N6LEM, 310-530-9889 scottsimpson126@gmail.com

Vice President:

Joe -WB6MYD, 310-328-0817 wb6myd@gmail.com

Secretary:

Richard -KM6VME, 310-780-001 km6vme@gmail.com

Treasurer:

Betty -N6VZF n6vzf@arrl.net

Council:

Jim - W6IVW, 310-378-4411 slimjimis@cox.net

Council:

Ed - KN6JN, 310-325-7944 kn6jn@aol.com

Council:

Greg-WQ9P, 310-702-9312 gregmadden@gmadden.com

Past Pres: OPEN

December Meeting

December 17th 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 and you join.

Presenter: William (Bill) Shanney-W6QR



William is an Electronics Engineer with 45 years of experience in RF and Microwave design. He was first licensed in 1961 while living in New Jersey and presently holds an Extra class license.

He enjoys antenna design and analysis but lives on a small lot so is very limited. Likes DX but mainly CW rag chew and has recently come up with a 2m SSB/CW homebrew 6el Yagi. Also enjoys portable operating with a KX2 as well.

His presentation, which he had given as a talk to the TRW club, is titled "Getting the most from a city lot". Bill started with a short section on radio performance. After, he'll share reviews on some antenna basics and talk about verticals vs dipoles" from a propagation standpoint. He also plans to talk a little about critical frequency and explain why local contacts are a challenge during the sunspot minimum.

He'll wrap up with some antenna suggestions for small lots. He'll touch on end fed antennas as well as any other suggestions he might have for us.

RadioShack Purchased by Online Retailer

ARRL.com 11/30/2020



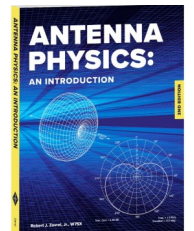
RadioShack® is back as an online retailer of electronics, offering some parts in its inventory that largely consists of radios, batteries, telephone gear, drones, computer accessories, and even cameras. The iconic company was recently purchased from General Wireless by Retail Ecommerce Ventures (REV). No plans are in place to reopen RadioShack-owned stores, although some 400 brick-and-mortar outlets not affiliated with REV are operated by franchisees. REV, which specializes in online retail, has previously revamped the internet presence of such bankrupt businesses as Pier 1 Imports and Dressbarn, according to a news release.

During its heyday, RadioShack has some 8,000 retail outlets and once offered some amateur radio equipment, including some popular handheld transceivers and a 10-meter transceiver. RadioShack came out of its second bankruptcy in January 2018 with 400 dealers, an online retail presence, and a distribution center.

New Antenna Physics Book from ARRL!

ARRL.com 12/07/2020

Written to bridge the gap between basic theory and graduate-level engineering texts, the second edition of ***Antenna Physics: An Introduction*** includes new material to help you better understand the complexities of antenna theory.



World-recognized antenna technology authority Robert J. Zavrel, Jr., W7SX, is your guide to grasping a deeper understanding of how antenna systems function. In this book, he clearly communicates the theory and the mathematics that form the foundations upon which all antenna designs depend.

Antenna Physics: An Introduction, 2nd ed. is available from the [ARRL Store](#) or your [ARRL Dealer](#). (ARRL Item no. 1359, ISBN: 978-1-62595-135-9, \$34.95 retail, special ARRL Member Price \$29.95). Call 860-594-0355 or, toll-free in the US, 888-277-5289. It will also be available for the Amazon Kindle.



Special Recognition

The following members are being recognized for their participation in the South Bay Amateur Radio Club Thursday night net and meetings during 2020:

Name	Check ins	Name	# Meetings	As we all know, due to the Covid-19 Pandemic we did not have any other activities. No picnics, no swap meets and any other social activity this year of 2020. Our big event, our holiday party, we are unable to due to this lock down. While no one really knows when this will end we are as a club continuing to do what we've been doing for the last part of this year. Let us all stay safe and above all healthy by taking every step necessary to do so.
Paul-KK6BY	38	Paul-KK6BY	11	
Joe-WB6MYD	37	Joe-WB6MYD	11	
Clyde-WB6HLS	36	Clyde-WB6HLS	11	
Chuck-K6CSH	34	Chuck-K6CSH	11	
Tom-KI6RC	36	Tom-KI6RC	10	
Bob-W6QAM	30	Bob-W6QAM	11	
Richard-KM6VME	29	Steven-KI6GUY	10	
Tim-KI6VGE	28	Tim-KI6VGE	9	
Paul-KF5PPF	25	Dick-W1MII	10	
Scott-N6LEM	25	Scott-N6LEM	10	
Jerry-KJ6JJ	23	Betty-N6VZF	9	
Bruce-KK6BJ	23	Mark0KA6ZTO	9	
Others all fell below 20 check ins for the year. Thank you everyone for joining us on the SBARC Thursday night nets. Your participation is appreciated.		Gary-WD9DUI	9	
		Jerry-KJ6JJ	8	
		Jim-W6IVW	8	
		Glenda-KF6QFE	8	



I do want to mention a couple of things at this point: I've always thought we as hams would enjoy our hobby like no other. This would be by doing activities common to all our interest as to why we became a ham. Unfortunately we haven't been able to do this due to this pandemic. However, some of us have made the best of this. Our balloon group has captured our interest over and over again and is continuing to do so. As they will tell you it takes a lot of hard work. Tom and Bruce along with Joanne-KM6BWB, Chuck-K6CSH and now to Greg-N6RRY have created a lot of interest for us all. I know a lot of us are looking for updates on daily basis. Thank you ladies and gentlemen for a job well done. Greg-N6RRY-11 has circumnavigated once and hopefully will set a new record by going 4x around.

Some others have done a number of things as well. Scott-N6LEM and Ed-KN6JN did a presentation via Zoom on the end of coax during one of our meetings. Scott-N6LEM and Joe-WB6MYD managed to arrange for several meeting presentations. Richard-KM6VME during the latter part of this year managed to get us a membership roster. He also checked on some of the members as well in order to accomplish that which was quite a task. Joe-WB6MYD managed to check on some of our elder members to see how they were doing in this peculiar time this year. Greg-WQ9P offered to store some of our assets for us after Ed-KN6JN and others removed all the hardware Joe had been storing for free all those years. He is now able to turn around in his own garage again and found his back yard as well. Joe-WB6MYD continues to do the weekly SBARC Thursday night nets as well. Not only that, he continued to attend other meetings as well via Zoom.

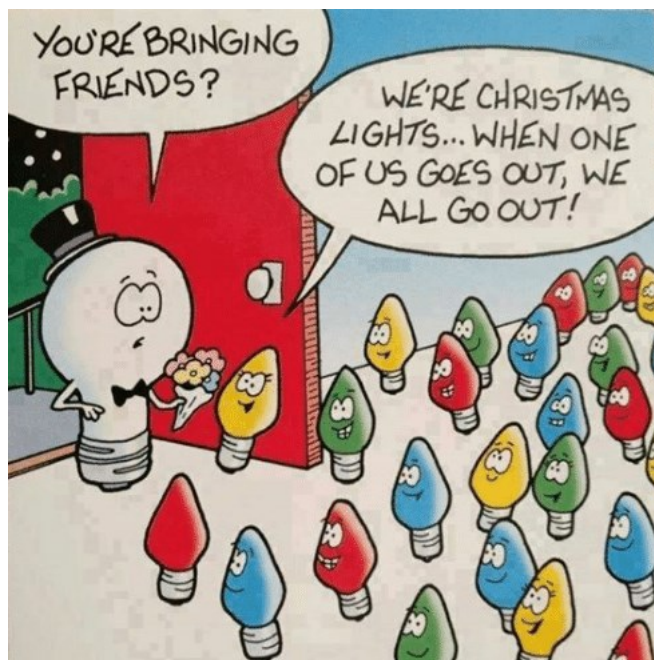
Continued on page 5

Special Recognition Continued

We have 6 or 7 meetings from the LAACARC per year, 4 meetings via Zoom from the 220SMA and on top of that he attends most ARES meetings on a monthly basis as well. These meetings are important to us as a club; we need to stay informed about the activities. More importantly, Joe stays in touch with TMMC regarding our reservations for meetings including our VE sessions. LAACARC is talking about maybe doing a virtual HamCom next year. (This is something needing a lot of attention and work if this comes about). After all these years he does stay in touch with the gentlemen running the TRW swap meet, this too is important.

Thank you one and all for your hard work on behalf of the South Bay Amateur Radio Club. Your efforts are well appreciated and very much noted. Sorry if I forgot anyone; let me know if I did.

Joe-WEB6MYD



FCC to Require Email Addresses on Applications

ARRL.com 12/02/2020

Amateur radio licensees and candidates will have to provide the FCC with an email address on applications, effective sometime in mid-2021. If no email address is included, the FCC may dismiss the application as defective.

The FCC is fully transitioning to electronic correspondence and will no longer print or provide wireless licensees with hard-copy authorizations or registrations by mail.

A *Report and Order (R&O)* on “Completing the Transition to Electronic Filing, Licenses and Authorizations, and Correspondence in the Wireless Radio Services” in WT Docket 19-212 was adopted on September 16. The new rules will go into effect 6 months after publication in the *Federal Register*, which hasn’t happened yet, but the FCC is already strongly encouraging applicants to provide an email address. When an email address is provided, licensees will receive an official electronic copy of their licenses when the application is granted.

Under Section 97.21 of the new rules, a person holding a valid amateur station license “must apply to the FCC for a modification of the license grant as necessary to show the correct mailing and email address, licensee name, club name, license trustee name, or license custodian name.” For a club or military recreation station license, the application must be presented in document form to a club station call sign administrator who must submit the information to the FCC in an electronic batch file.

Under new Section 97.23, each license will have to show the grantee's correct name, mailing address, and email address. “The email address must be an address where the grantee can receive electronic correspondence,” the amended rule will state. “Revocation of the station license or suspension of the operator license may result when correspondence from the FCC is returned as undeliverable because the grantee failed to provide the correct email address.”



Greeting Cards From the Past

Shared by Ed, KN6JN



In November 1897 Marconi established his wireless station at the Royal Needles Hotel at Alum Bay on the Isle of Wight. The 120 foot aerial he erected in the grounds was stout enough to withstand gales from the Channel and consisted of a lower and top mast that had been purchased in Southampton. The lower mast required 13 men and a boy to haul it up the Chine to the top of the cliff.

From this station on the 3rd June 1898 Lord Kelvin sent the first paid telegram transmitted by wireless. Marconi transferred his station to another site on the island in 1899 and in 1909 the Hotel was destroyed by fire.



This sketch depicts Guglielmo Marconi giving one of a series of demonstrations of his invention of wireless telegraphy on Salisbury Plain. The site chosen was at a place known as The Bugalow on Three Mile Hill and the tests took place during three days from the 2nd September 1896. They were watched by Captain Jackson R.N. on behalf of the Navy and Major Carr of the Army and by representative from the Post Office. At this demonstration Marconi showed good results at a range of one and three-quarter miles.

ARRL Asks FCC to Allow 3.4-GHz Operation until Spectrum is Occupied

11/26/2020

In comments to the FCC, ARRL has argued that radio amateurs be allowed to continue shared operation in the 3.4 GHz band until 5G licensees who purchase the spectrum when the FCC puts it up for auction initiate incompatible operations. In its *Further Notice of Proposed Rulemaking (FNPRM)* in WT Docket 19-348, the FCC had proposed to sunset the band for amateur radio in two phases, governed by when new licenses are issued rather than when the new licensees begin to use the spectrum. In the *FNPRM*, the FCC solicited comments on whether alternatives exist to its proposal.



“Amateur activities further the public interest and should be permitted to continue on a secondary basis unless and until a new primary licensee is ready to occupy the spectrum in a preclusive manner,” ARRL told the FCC. “At a minimum, amateur operations should be permitted to continue indefinitely in the 3.3 – 3.45 GHz spectrum, where no new flexible licenses are under immediate consideration. The Commission could consider whether a registration or other mechanism similar to that found in Section 97.303(g) would facilitate avoiding interference.”

Section 97.303(g) contains specific frequency-sharing requirements for the 2200- and 630-meter amateur bands. ARRL said its comments were without prejudice to its pending *Petition for Reconsideration* of the FCC proposal to delete the amateur secondary allocation from the entire 3.3 – 3.5 MHz band.

ARRL noted that some 1,000 comments have been submitted by individual amateurs and amateur organizations at the initial stage of this proceeding. Those included one from the Emergency Communications Coordinator in the California Governor’s Office of Emergency Services, who wrote: “Over the years the State of California Governor’s Office of Emergency Services Public Safety Communications Tactical Communications Unit has utilized Radio Amateur Television product during fire operations to gather intel and monitor threats to communications sites being affected by fires and fire weather events... Part of the backbone of the [amateur radio television] system utilizes the 3-GHz spectrum, and due to heavy spectrum usage in the 1.2 and 5.8 GHz spectrum, the 3 GHz spectrum becomes very important for frequency diversity supporting these networks...”

As ARRL noted, “Amateurs often select the 3.4-GHz spectrum precisely because other spectrum choices are sub-optimum or simply not available. Amateurs also are only secondary users on most of the other spectrum suitable for similar purposes,” ARRL said. “Links must be carefully engineered because of that secondary status, which applies to most of the 2.4- and all of the 5.8-GHz bands available to amateurs. In many geographic areas, it is a misconception that the 3.4 GHz operations easily can be moved to other bands.”

ARRL emphasized the importance of allowing amateurs to continue to use the 3.4 – 3.45 GHz portion in particular. “As stated by commenters during the initial stage of this proceeding, some of the equipment commonly used in this band for network linking cannot be re-channeled below 3.4 GHz,” ARRL said.

ARRL pointed out that in many geographic areas it could be years before the 3 GHz spectrum is actually put into use by commercial users, and argued that amateur radio should be allowed to continue to operations on a secondary, non-interference basis as it has done for decades with federal primary users, until new uses actually begin, rather than when licenses are issued.



CALENDAR

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

Club Meeting - 3rd Thursday of the month
December 17, 2020 - 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 - **Scheduled on Saturday of even months**
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

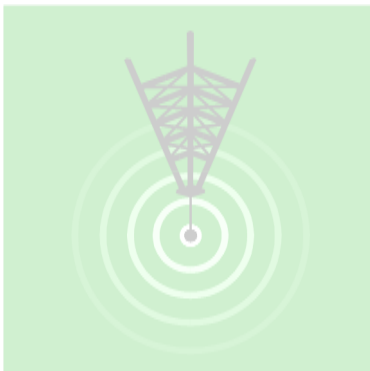
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC, Chuck- K6CSH., Bill-KQ6Z
VE Test Liaison & Sessions	Betty Barch-N6VZF N6VZF@arrl.net (310) 545-6422
Webmaster	TBD
Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader	Scott - N6LEM

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

South Bay Amateur Radio Club
P.O. Box 536
Torrance, CA 90508
W6SBA@arrl.net
Website: <http://www.w6sba.org>

TO:



Address Correction Requested

A COMMUNITY SERVICE ORGANIZATION

W6SBA

South Bay Amateur Radio Club
Post Office Box 536
Torrance, CA 90508-0536

