



September 2019

# ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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E-mail: [W6SBA@arrl.net](mailto:W6SBA@arrl.net)



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

## President's Message

Hi Fellow SBARC Ham's,

It's time for the monthly eating and eyeball QSO. We'll be picnicking, grilling, and talking about our ham radio ventures. As always it's on the 2nd Saturday of the month, September 14th from 10AM to about 3PM. We are returning De Portola Park in Torrance, located at 26515 Lazy Meadow Dr. You may want to bring your favorite lawn chair. You can bring some burgers patties and buns if you like. The club will provide hot dogs and related fixings. I see where Hof's Hut is planning to reopen Late September to Early October. We'll see if it will still be a reasonable lunch spot for the club. Please submit your club lunch spot recommendations.

I finally succeeded in emanating a few signals on the 20 & 40 meter bands. Made some US contacts: Colorado, Arizona, and Texas with some good signal reports. This was with the SIGMA Euro-Comm SE-HF-X80 vertical radial free antenna for 80 to 6 meters. It's also an eBay \$140.00 special delivered in four days from the UK. I was impressed with that. It may be the lowest cost HF vertical available. It matches very well with my Kenwood auto-tuner in the TS440s. It uses a UnUn transformer. This type of Balun moves the impedance closer to 50 ohms. It's all a compromise with a non-resonant antenna and would likely be unworkable without a tuner. I suspect that this antenna without ground radials has a high radiation angle. Maybe that helps?? More air time may give me a better feel for its performance. And, I'm still adjusting my hearing to the noise on the bands.

Upcoming September activities include, a picnic on the 14th, the club meeting on the 19th, and the TRW/NGC swap meet on Saturday the 28th. The swap meet proceeds benefit the club. After the swap meet a few of us head over to Denney's on Artesia and Aviation for your choice of a late breakfast or lunch. I want to encourage everyone to attend the monthly club meetings. Your QRM can make a difference. Come be a part of moving your club forward.

See you at the next SBARC event!

73's...

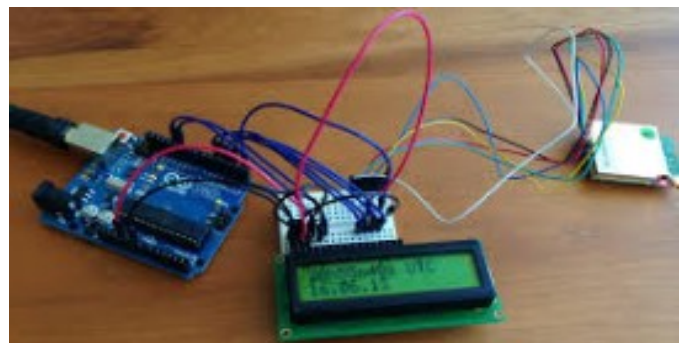
Scott N6LEM



**MEETING  
NOTICE!**

September

Paul Avery KK6BY will give a presentation and demonstration on Arduino microprocessors and their growing list of Amateur radio applications at the September meeting. He will cover the various models of the Raspberry Pi's and the Arduino's. A few ham related application for each will be discussed. A digital hotspot example will be shown.



Paul holds an Extra Class amateur radio license and has been an active council member of the South Bay Amateur Radio club for many years.

He has been an instructor in programmable microelectronic projects and has delighted us all in demonstrating the many ways these devices can be used to enhance our hobby.

He is also actively involved in the Long Beach VA amateur club and many other veterans activities..

Please join us at 7:30 PM on the 19th of September in Room 1 of the Torrance Memorial Medical Center Health Communications Center to hear and see this exciting presentation.

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## France Stands its Ground on 144 – 146 MHz Aeronautical Mobile Sharing Proposal

A French “annex” to its proposal to have the Aeronautical Mobile Service (AMS) share 144 – 146 with Amateur Radio doubles down on that country’s determination to secure AMS access to that spectrum, although no longer on a primary basis. The annex was submitted ahead of a European Conference of Telecommunications and Postal Administrations (CEPT) Electronic Communications Committee (ECC) Conference Preparatory Group (CPG) meeting that gets under way on August 26 in Turkey. The meeting will consider CEPT ECC positions for World Radiocommunication Conference 2019 this fall. In the annex, France counters contrary International Amateur Radio Union (IARU) assertions and insists that spectrum sharing is possible.

“France recognizes the wide range of amateur applications hosted by the 144 – 146 MHz band,” the French annex document said. “The band will remain available for all these applications after WRC-23. However a clear vision of the band segmentation per application and associated occupancy rates will be necessary for the sharing and compatibility studies carried on during the WRC-23 preparation cycle. Such studies are essential for assessing the possibilities of frequency sharing and establishing, where appropriate, the conditions that will ensure the continuity of operation and the protection of existing services.”

Since France submitted its initial proposal in June, the IARU and its Region 1 (Europe, Africa, and the Middle East) member-societies have made the matter a top priority. If the French proposal gets a thumbs up by at least 10 CEPT countries at the CPG meeting — with not more than 6 opposing — the proposal could appear on the agendas of WRC-19 and WRC-23, where a final decision will be made.

According to IARU President Tim Ellam, VE6SH/G4HUA, the French proposal provides no rationale for including the amateur band in the proposed spectrum study, and that IARU believes sharing with airborne systems would be extremely challenging and lead to constraints on the development of the Amateur and Amateur Satellite services.



“If accepted as a WRC-23 Agenda Item, this proposal would require *4 years* of studies by administrations,” Ellam has stressed. “Considering the challenges of sharing spectrum with aeronautical systems, it seems inevitable that the conclusion of such studies would be that sharing with a widely used part of the amateur spectrum presents too many problems to be viable.”

In its own submission for the August CPG meeting, IARU contends that basic technical studies “show that sharing of the current Amateur Service allocation with non-safety-related [AMS] radio systems is not possible without a significant likelihood of mutual interference occurring.” IARU calls the proposal “unsound.”

“There is no need for a lengthy WRC study cycle to determine this,” IARU said, asking that 144 – 146 be withdrawn from the French WRC-23 non-safety AMS proposal.

IARU asserts that suitable alternative spectrum exists in the VHF range, but France said this view “disregards the fact that the effectiveness of studied sharing opportunities will depend upon the characteristics of the incumbent services.” France went on to say, “Use of techniques like dynamic frequency assignment, antenna treatment, power control, duty cycle control, [and] spread spectrum may be considered.”

France said the objective of studies required during the WRC-23 preparation cycle “will not be to modify the existing primary amateur allocation in the band 144 – 146 MHz but to study possible sharing of the band while ensuring the protection of amateur usage.”

At this point, the French proposal remains an ITU Region 1 matter, and action during the CEPT CPG meeting August 26 – 30 will determine whether it gains traction on the world stage. ARRL 8/24/19

### What is Labor Day and why do we celebrate it?

Labor Day, the first Monday in September, is a creation of



the **labor** movement and is dedicated to the social and economic achievements of American workers. It constitutes a yearly national tribute to the contributions workers have made to the strength, prosperity, and well-being of our country.

## Young Radio Amateurs from around the World Gather for YOTA Summer Camp

The 9th annual Youngsters on the Air (**YOTA**) Summer Camp opened over the weekend with pomp, circumstance, and celebratory dancing.



This year's Summer Camp is taking place in Bankya, Bulgaria, under the sponsorship of the Bulgarian Federation of Radio Amateurs (BFRA), Bulgaria's International Amateur Radio Union member-society. After welcoming words from BFRA and IARU Region 1 representatives, the YOTA participants joined local residents and a performing troupe in dancing to traditional Bulgarian folk music. Approximately 80 young radio amateurs from 28 countries arrived in Bankya — near Bulgaria's capital of Sofia — on August 11. They'll be engaging in a range of activities, from operating the camp station LZ19YOTA, to building kits and antennas, sightseeing, and getting acquainted.

"There is unfortunately no team from Region 2 (the Americas) taking part this year," **IARU Region 1** Youth Working Group Chair Lisa Leenders, PA2LS, told ARRL. "Most [participants] are from Europe, but also South Africa, Algeria, Tunisia, and New Zealand." Participants all are under the age of 26.

Given the international nature of Amateur Radio, cultural exchange won't be in short supply. The typical YOTA intercultural evening, group work, and the Train The Trainer program — instituted at last year's Summer Camp — will also take place.

Youth teams are attending from Albania, Algeria, Bulgaria, Croatia, Czech Republic, Estonia, Ethiopia, Finland, France, Germany, Hungary, Iceland, Italy, Kosovo, Lithuania, New Zealand, North Macedonia, Romania, Serbia, Slovakia, South Africa, Spain, Sweden, Tanzania, The Netherlands, Tunisia, Turkey, and the United Kingdom.

The YOTA Summer Camp in Bulgaria continues through August 17. Last year's YOTA camp was held in South Africa. ARRL 8/12/19

## FCC Resolves LED Products Marketing Violations Investigation with Consent Decree

The FCC on August 26 announced that it had entered into a **Consent Decree** to resolve an investigation into whether the lighting fixture business Seasons 4 Inc., of Toano, Virginia, violated FCC rules by marketing LED products as the company S4 Lights without the required equipment authorization, labeling, and user manual disclosures, and by failing to produce certain required test records.



"These rules ensure that radio frequency devices marketed in the United States do not interfere with authorized communications, thereby maintaining network integrity and security and protecting consumers," the FCC said.

As part of the resolution, S4 Lights admits that it violated FCC rules, will implement a compliance plan, and will pay a \$25,000 civil penalty.

The investigation concerned S4 Lights' compliance with equipment authorization, labeling, user manual disclosure, and record retention rules in effect at the time of the violations, which included Parts 15 and 2 and Section 302(b) of the Communications Act of 1934, as amended. According to the Consent Decree, the investigation stemmed from a 2017 complaint that a Christmas tree display using S4 Lights products at the Columbus, Ohio, Zoo and Aquarium had caused harmful interference to authorized wireless communications in Powell, Ohio. Some of the rules in effect at the time the violations occurred were subsequently amended, effective on November 2, 2017.

As a result of the Consent Decree, S4 Lights avoids a hearing into the question of its basic qualifications to hold or obtain any FCC license or authorization. ARRL Letter 8/28/19

## Radio Amateurs in India Support Rescue and Relief Operations in Wake of Flooding

Radio amateurs in at least three western Indian states along the Arabian Sea coast are pitching in to support communication for rescue and relief operations following heavy rainfall and flooding. In Kerala, Shyam Kumar, VU2JLE, told *The Hindu* newspaper that he and 15 other radio amateurs belonging to the Wayanad Hams (WHAMS) group have been closely monitoring to help the government speed rescue and relief teams get to marooned localities. News accounts say more heavy rain is expected in many parts of India, bringing with it the threat of flooding. Monsoon rains have been falling for weeks, and more than 270 people have died, about half of them in Kerala.

In Maharashtra, Amateur Radio and drones have been supplementing relief and rescue teams dealing with heavy flooding there. Rescue teams were reported to be using ham radio to pass information into a network. Some hams have come in from outside the region to assist. Members of the National Disaster Response Force (NDRF) and the military have been transporting supplies to some 5,000 people stranded in various locations.

In the northern part of Karnataka state, radio amateurs from the Indian Institute of Hams (IIH) in Bengaluru (Bangalore) and a ham radio club consisting of postal department workers were reported to have helped rescue and relief operations on August 12.

IIH Director Shankar Sathyapal, VU2FI, said three radio-equipped vehicles fanned out across the region. "This is the second line of communication," Sathyapal explained for a report in *The Hindu*. "Relief officers will be provided with walkie-talkies, while each vehicle can cover about a radius of around 10 – 15 kilometers, depending on the topography." — *Thanks to Southgate Amateur Radio News and media reports*



## Efforts Continue to Enhance ARES Program, Add Resources

The ARRL Board of Directors, committees, and Headquarters administrative staff are continuing efforts to enhance the venerable Amateur Radio Emergency Service (ARES®) program. A major **ARES Plan** has been adopted, providing new direction going forward. In addition, a standardized training plan has been adopted and a new *ARES Emergency Communicator Individual Task Book* (attached below) approved and published.



At its July meeting, the ARRL Board considered the **report** of its Public Service Enhancement Working Group (PSEWG). A "change log" was proposed for the *Task Book* that will highlight changes made as the document is periodically revised and updated. ARES position guidelines were posted to the online *ARES Workbook* and a major revision and update of ARRL's *Introduction to Emergency Communications* course — now designated as EC-001 — has been completed.

The course is now available at no cost to any ARES registrant, and a "tutor-less" format has been added as a parallel path for completing the course. Additional tutors were recruited to assist in handling the initial surge of interest. A "challenge" path directly to the final exam is also being implemented. An update and introduction of EC-016 — *Public Service and Emergency Communications Management for Radio Amateurs* — will follow in the next few months.

Veteran Ohio Section Manager Scott Yonally, N8SY, has been brought on board to assist in implementing *ARES Connect* and to field questions about the new software package from users. *ARES Connect* is a volunteer management system covering event sign-up, reporting, and roster management, to simplify managing volunteers and events.

Some modest revisions to procedures have been made to the **Ham Aid** program.

Most recently, the PSEWG has begun an extensive examination of the future role of the National Traffic System (**NTS**) in concert with ARES. It's hoped that a brief survey of selected Section Managers, Section Traffic Managers, and Section Emergency Coordinators will provide a starting point for a more extensive analysis of the program.

At its July meeting, the ARRL Board authorized the EmComm Manager Selection Committee to specify the position requirements for a new Director of Emergency Management at Headquarters. This individual will lead the team responsible for supporting the ARES program and will work with ARRL staff to develop standards, protocols, and processes to support the Field Organization. — *Thanks to **The ARES E-Letter** ARRL 8/22/19*

## ARRL HF Band Planning Committee Reactivated to Address Spectrum Issues

In an effort to more effectively address HF digital technology issues, ARRL President Rick Roderick, K5UR, has reactivated the ARRL Board of Directors' HF Band Planning Committee. The six-member panel, chaired by First Vice President Greg Widin, K0GW, will primarily focus on spectrum allocation issues that have gained increased visibility with discussions on accommodating automatically controlled digital stations (ACDS) — many employing [Winlink](#) email. The committee will also discuss operating frequencies for FT4, FT8, and other digital modes. Widin says the committee will meet next week to chart its course. Reactivation of the HF Band Planning Committee came out of discussions during the July 2019 ARRL Board meeting.



“ARRL is not trying to shut down digital communication or shut down Winlink in particular,” Widin said, adding that ARRL recognizes Winlink’s proven track record in emergency communication. His committee also will consider Winlink supporters’ calls for the expansion of the ACDS segments spelled out in §97.221(b) of the amateur rules.

“This is not an easy task by any means,” Widin allowed. “They’re not making more bandwidth.” He said this is especially a problem on 40 meters.

“We’re well aware that Winlink is the *de facto* standard supporting emergency communications in many parts of the country, but we have to figure out how it can operate with other modes, so that everybody can communicate,” Widin said, “without having one mode overrun any other mode.” The committee will not address data encryption questions at this point, however.

In response to ARRL’s 2013 petition to delete the so-called “symbol rate” limit and replace it with a maximum bandwidth for data emissions of 2.8 kHz below 29.7 MHz, the FCC **proposed** to eliminate symbol rate (baud rate) limitations for data transmissions but declined to propose a bandwidth limitation.

At its July meeting, the ARRL Board of Directors called for ARRL’s Washington Counsel to obtain FCC approval for several Part 97 rule changes. The Board asked for a rulemaking petition to remove the current 300 baud rate limitation; authorize all ACDS below 30 MHz, regardless of bandwidth, to operate only within the ACDS bands designated in §97.221(b); require digital stations operating with a bandwidth greater than 500 Hz to operate within the ACDS bands, whether or not automatically controlled, and limit the maximum bandwidth of digital signals below 29 MHz to 2.8 kHz.

ARRL-initiated mediation efforts for rival parties to reach consensus on all or some of the issues raised in the “symbol rate” proceeding ended a few days prior to the July Board meeting. While those discussions were useful, no consensus among parties was reached for FCC consideration. Widin said some positions may have been too divergent to find viable middle ground.

“We still want to change the symbol rate limitation into a bandwidth limitation, which makes a lot more sense in terms of current and future modes,” Widin said. The panel also hopes to work with the WSJT-X Development Group to establish FT4 frequencies compatible with existing band plans.

Widin further suggested that his committee will have to look beyond the current landscape of HF digital modes into what might lie ahead. ARRL Letter 8/28/19

# SPOT the T

Joe, WB6MYD

## INFORMATION



1. **Attendance drawing:** The winner for our Aug Attendance drawing was Charles-AJ6HZ. Unfortunately he was not present and therefore our Sept drawing will be for \$ 25.00. Members must be present to collect this.

2. **Thank you:** The presentation at our Aug meeting by Diana-AI6DF, ARRL SW Div Section Manager was the best ever. She presented the information on using the rock formations on our local mountains to use bouncing signals off for hard to reach places. While mainly applicable to VHF/UHF is very useful as she informed us regarding the use of the W6SBA repeater for the use by the PV School district to conduct their monthly nets. Great stuff. Thank you Diana for this excellent presentation.

3. **New members:** We have 5 new applications for membership. All of them having taken a test at our last VE session. 2 are now Gen class licensees and the 3 others are Technician class licenses. Please welcome Glen-KN6DWJ, Tech. Darold-KN6DWL, Tech. Connor-KN6DWI, Tech. Christopher-KN6DWK from no license to Gen. and Darrell-KE6UCL upgraded to Gen. Welcome to the South Bay ARC. Please remember that we are here to help you to get started in this fascinating hobby of amateur radio. Please visit our website at [www.w6sba.org](http://www.w6sba.org) and register so you will also get to know a lot of us. We have an Elmer list there to ask questions and or assistance with anything you might need. I'll be putting your e mail address in our data base so we can keep you up to date as well. Please don't hesitate to ask and again welcome to the SBARC.

4. **Apology:** At the Council meeting on August 20, 2019 things got out of control. I wish to apologize for my behavior at this meeting resulting in the resignation from both Alex-KD6LPA and Ray-WA6OWM. This is really regrettable and was not my intentions for this to happen.

As most of you probably well know me, I am not one for being politically correct in making suggestions which seems to be a problem with some. It is hard, if not impossible, to teach an old dog new tricks.

While I always have the best intentions for all of us as a club in mind, this time I failed in that department.

I want you to know I always have the very best in mind for you as members of the SBARC. Safety and fairness with you and for you has always been my concern resulting in apparent over reaction on my part as I was told. While a whole lot perhaps is not being said with this it all started with this year's 2019 Field Day. This was the case to which I felt the trial setup, while well intentioned, was very unstable making it unsafe. The corrections which I suggested would have resulted in a much safer setup. However, this escalated into a major confrontation via e mail resulting in Alex resigning as Field Day Chair (other things entered into this as well). As I was told, due to the confrontational language, which as I stated being "not politically correct" resulted in Alex resigning as Field Day Chair.

As time went on, other things added to this contributing to a lot of hard feelings being generated with a failure on my part to recognize this as well.

I am in no way trying to make excuses because in retrospect things could have been handled differently. As long time member of the SBARC and as Secretary, I should have a better understanding and been more tolerant of everyone's feelings.

I regret this having developed in the resignations by both Alex and Ray. I wish them all the very best in the future, we will miss them as long time members and friends.

I again apologize to all of you for I know this will impact all of us with our club activities and goals. In that this incident has escalated to this outcome is very regrettable.

I sincerely am sorry and promise to be more considered of others in the future. Joe-WB6MYD

## 2019 CLUB OFFICERS

**President:** Scott -N6LEM, 310-530-9889 [scottsimpson126@gmail.com](mailto:scottsimpson126@gmail.com)

**Vice President:** OPEN

**Secretary:** Joe -WB6MYD, 310-328-0817 [jmlanphen@gmail.com](mailto:jmlanphen@gmail.com)

**Treasurer:** Joe -WB6MYD, 310-328-0817 [jmlanphen@gmail.com](mailto:jmlanphen@gmail.com)

**Council:** Chuck - K6CSH, 310-941-5679 [chuchohn@gmail.com](mailto:chuchohn@gmail.com)

**Council:** Paul - KK6BY, 310-676-0212 [kk6by@arrl.net](mailto:kk6by@arrl.net)

**Council:** Mark - KM6HQG, 310-612-0835 [markvberbue@gmail.com](mailto:markvberbue@gmail.com)

**Past Pres:** OPEN

## CALENDAR

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

**Club Meeting** - 3rd Thursday of the month  
**September 19, 2019 - 7:30 p.m.**  
Room 1 in the Richard Hoffman  
Educational Center at Torrance  
Memorial Medical Center

**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** Saturday,  
**September 28, 2019**, 7-11 a.m.

**VE Sessions** - Scheduled on Saturday of even months  
Contact Joe, WB6MYD 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

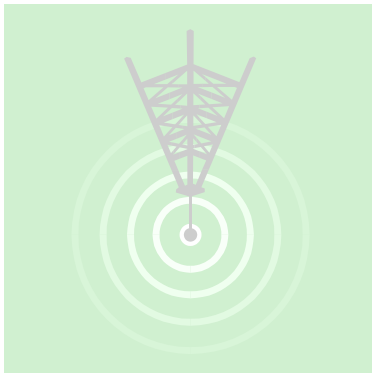
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC, Chuck- K6CSH., Bill-KQ6Z
VE Test Liaison & Sessions	Betty Barch-N6VZF N6VZF@arrl.net (310) 545-6422
Webmaster	TBD
Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader	Scott - N6LEM

**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

