



February 2015

ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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Hi all-

Well, here it is February already. We are busy working on a full slate of activities for the club. This month Tom, KI6RC, and Bruce, KK6BJ, are going to talk to us about their work putting a balloon into the sky higher than eye can see. During the year we will bring you a series of informative and, we hope, interesting presentations. At least one of them will be of the "hands-on" variety where we will have a tutorial on the proper use and feeding of a piece of useful Ham equipment.

We have made assignments for our main club activities. By virtue of his office, Bruce, KK6BJ, will be in charge of Field Day. Jerry, KJ6JJ, will be the Captain of the Hamcon W1AW station, while Chuck, K6CSH, will be Captain of our JO-TA station. The Torrance Armed Forces Day Parade is an iffy activity for us this year for two reasons: The city isn't sure that there will be a parade this year although my guess is that they will and the city isn't sure of amateur radio participation if there is one due to possible liability issues. We will have to wait and see how this plays out. We are investigating the possibility of having a field trip to a commercial radio transmitting facility. If any of you have suggestions as to where we might try, please send them to me. As we get closer to summer, we will be announcing more warm weather activities.

That's all for now, so 73s to all

Alan



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FEBRUARY



guest
SPEAKERS

philipmartin.info

Tom, KI6RC, and Bruce, KK6BJ, will be presenting their ongoing project in planning, organizing, and designing a near space balloon project with launch scheduled for later this spring.

Both Tom and Bruce are SBARC members with a deep fondness for practical and sometimes impractical homebrew projects. Fresh from their recent club project taking a Heathkit like approach to building simple handheld satellite antennas, they are now ready to make a club project of adventuring into near space. Finding no readily available rocket vehicle to launch their project, they decided to use a balloon to carry a radio station together with several small transmitters, APRS navigation and location finders, onboard cameras, and meteorological logging into near space. They quickly found there are no simple ways to get there and that specific details of exactly how this might be easily done are not readily available. They will be describing their research and showing off several of their successful equipment builds as well as describing most of the pitfalls discovered along the way as well. This project has already involved several of our club members including Jerry, KJ6JJ, Alex, KD6LPA, Gary, K9DUI, Joe, WB6MYD, and Alan, KG6ZPL, as well as many members of the community who have generously donated time and have allowed the repurposing of supplies for this project.



They will be describing how the entire club may become involved as launch day approaches in projects ranging from APRS tracking from home or mobile phone app's to actually inflating, launching and, hopefully, recovering the balloon.

Come join us on February 19th.

Quiz! COLUMN

BY ALAN, KG6ZPL

- 1) Most of you have heard variants of this one: I have two coins whose value totals 6 cents and one of them is not a nickel. What are they? Try this variant: neither of the coins is a 5 cent piece. What are they?
- 2) What can travel around the world while staying in a corner?
- 3) If I went halfway to a town 40 miles away at the speed of 20 m/hour, how fast do I have to go the rest of the way to have an average speed of 40 m/hour over the entire trip?
- 4) A radio whose original cost was \$100 has been discounted by 30%. It didn't sell so it was then discounted an additional 20%. Would the final price have been different if it was just discounted 50% originally?

Answers to last month's quiz

- 1) Who is the best known unknown couple?
John and Jane Doe
- 2) Which is heavier, a full moon or a half moon?
A half-moon because a full moon is lighter
- 3) Who won last year's Bangkok marathon?
It was a Thai
- 4) What is the next number in this sequence: 3, 3, 5, 4, 4, 3, 5, 5 ?
4, the numbers are the numbers of letters in the names of the numbers one, two, three, ..., eight. The next is nine.



ARRL Library Goes Live!

After several months of planning, The ARRL Library is now live! The online Library is a free repository of educational presentations and oral histories. It is aimed at helping to preserve Amateur Radio's history and to educate clubs and individuals.



"This long-term project will be home to what I hope will eventually become one of the largest repositories of Amateur Radio-related papers and presentations, created by and for the Amateur Radio community," said ARRL Media and Public Relations Manager Sean Kutzko, KX9X. "This is your opportunity to submit material for the betterment and education of all radio amateurs."

Kutzko said the Library will initially consist of three major areas. These will include *PowerPoint* presentations that may be used at club meetings, for outreach to the general public, or for other public presentations; PDFs of general educational material about Amateur Radio, and oral histories of radio amateurs describing their personal experiences with Amateur Radio.

Current content includes presentations on operating digital modes, HF basics, and impedance matching. While the available material is sparse right now, Kutzko invites all radio amateurs to submit material for consideration -- as long as it relates to Amateur Radio. The Public Relations Committee will vet all submissions, and once a submission is approved, it will be added to The ARRL Library.

"We have lots of tutorials and information on how to create presentations on the site," Kutzko pointed out.

"Presenting somebody else's *PowerPoint* slides is tough," he added, "so we're asking people who submit presentations to make use of *PowerPoint's* 'Notes' feature, which allows the author to provide more detailed information for the talking points found on each slide, visible only to the presenter. This will make it easier for the presenter to emphasize what the author intended to convey."

Answers to typical questions, as well as information on how to upload content and how to conduct an oral history interview, can be found in the Frequently Asked Questions area.

"Sharing expertise is one of the best things we can do for Amateur Radio," Kutzko said. "I hope you will consider submitting material for the Library and help give back to the entire community." [ARRL Letter 1/15/2015](#)



ARRL Media and Public Relations Manager Sean Kutzko, KX9X.

Navassa DXpedition Team Poised to Offer "Once in 32 Years" Opportunity

The K1N Navassa DXpedition team hopes to be on the air with up to eight stations in less than 2 weeks, offering a "once in 32 years" opportunity to work the most-wanted DXCC entity. It's been

22 years since the last Navassa operation, and the US Fish and Wildlife Service (USFWS), which is responsible for the island, will not permit another operation for at least 10 more years. The team



said its exact departure date will not be determined until the last minute and will depend on the USFWS and on weather conditions. The team will arrive at its staging point a few days before the earliest possible departure window and will be ready for rapid deployment to Navassa.

"As soon as the USFWS has landed on the island and declared it is safe to proceed, we will start the helicopter flights and commence operations," the K1N team said this week in a media release.

"We hope to have a basic camp established by the end of the first day, and, if things go extremely well, we hope to have several stations on the air by nightfall on the second day," the K1N media release said. The K1N team will take along a VHF/UHF transceiver and an Arrow antenna in the hope of making some satellite contacts via FO-29. AMSAT has provided the DXpedition with a Yaesu FT-817 transceiver and associated equipment, as well as pass predictions, an operational plan, and training.

The K1N stations will always operate split frequency, listening up or down, depending upon the band plan. Stations should avoid transmitting on the DXpedition's frequency. [ARRL Letter, 1/22/2015](#)

ARRL BOARD OKAYS CHANGES TO DXCC PROGRAM

The ARRL Board of Directors has tweaked the DX Century Club (DXCC) rules to clarify and expand their recognition of remotely controlled station technology. It has also added a rule that puts greater ethical responsibility on operators with respect to remotely controlled operation. In addition, the Board adopted changes to the ARRL VHF/UHF contest rules that are aimed at encouraging greater participation. The Board took the actions during its annual meeting January 16-17 in Windsor, Connecticut.



The DXCC Rules changes, which affect Section I, subsections 8 and 9, explain and extend how contacts with remotely controlled stations now may be applied toward the DXCC award. According to ARRL CEO David Sumner, K1ZZ, the changes are subtle but significant. The modified rules make clear that contacts with legally licensed, land-based, remotely controlled stations count for DXCC, but the control point -- the operator's location -- of a remotely controlled station no longer has to be land based; the operator can be literally anywhere.

"It has always been permitted for a QSO to count for both stations, if either station was operated remotely from a control point within the same DXCC entity," Sumner explained. "Now the location of the operator doesn't matter; the operator could be on the far side of the Moon, if he or she could figure out how to remotely control a station on land back on Earth from there." Transmitter location continues to define a station's location, and, for DXCC purposes, all transmitters and receivers must be located within a 500 meter diameter circle, excluding antennas.

Under the old rules, if either station was operated from a control point in *another* DXCC entity, the contact did not count for DXCC *foreither* station. "This was unenforceable unless someone was transparent about what they were doing," Sumner said.

The Board further adopted a new rule, now Subsection 11 (subsequent rules have been renumbered accordingly), that acknowledges the reality of the technology enabling remote operation, and it puts greater responsibility on individuals when it comes to applying that technology ethically and responsibly.

"Issues concerning remotely controlled operating and DXCC are best dealt with by each individual carefully considering the ethical limits that he/she will accept for his/her DXCC and other operating awards," the new rule states. It adds, in part, "the owner of these achievements needs to be comfortable standing behind his/her award and numbers. Peer attention has always been a part of awards chasing, of course, but in these times with so many awards and so many players, it is more important than ever to 'play the game ethically.'"

Subsection 11 acknowledges that technological advances "add to the difficulty in defining rules for DXCC," but stresses that the intent of the rules is what's important. "It will continue to be up to the operator to decide what types of legal remote control operating he/she will use (if any) to contribute to an operating award," the new rule concludes. ARRL Letter, 1/22/2015

LOTS OF REASONS TO LOVE AMATEUR RADIO

**CONNECT WITH
PEOPLE ALL OVER
THE WORLD**

**LEARN COOL
INTERESTING STUFF**

**HAS IT'S OWN
INTERNATIONAL
LANGUAGE**

FCC "Paperless" Amateur Radio License Policy Goes into Effect on February 17



Starting on February 17, the FCC no longer will routinely issue paper license documents to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS), although the FCC has routinely continued to print and mail hard copy licenses. That will stop next month.

In mid-December, the FCC adopted final procedures to provide access to official electronic authorizations, as it had proposed in WT Docket 14-161 as part of its "process reform" initiatives. Under the new procedures, licensees will access their current official authorization ("Active" status only) via the ULS License Manager. The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one. Licensees will also be able to print out an official authorization -- as well as an unofficial "reference copy" -- from the ULS License Manager.

"We find this electronic process will improve efficiency by simplifying access to official authorizations in ULS, shortening the time period between grant of an application and access to the official authorization, and reducing regulatory costs," the FCC Wireless Telecommunications Bureau (WTB) said. According to the WTB, the new procedures will save at least \$304,000 a year, including the cost of staff resources.

In comments filed November 5, the ARRL had strongly recommended that the FCC "give serious consideration to continuing a default provision for sending an initial paper license document to new licensees in the Amateur Radio Service, along with detailed, simple instructions for how to make the elections set forth in the notice relative to future modified or renewed licenses."

Under the new procedures, a new license applicant who already has an FRN and provides a valid e-mail address under "Applicant Information" in the ULS will receive an official ULS-generated electronic authorization via e-mail. New license applicants lacking an FCC Registration Number will receive in the mail an FRN and a temporary password to access the Commission Registration System (CORES), but will no longer automatically receive a license document; they must request one by changing their "Paper Authorization Preference" in the ULS License Manager.

The ARRL and other Amateur Radio commenters also worried that unless a license document is printed on distinctive paper stock, its authenticity could be questioned in such situations as obtaining vanity call sign license plates. To address this, the FCC said the watermark "Official Copy" will be printed on each page of an official authorization that a licensee prints out from the ULS. The WTB recently stopped using distinctive paper stock to produce hard copy licenses and has been printing these on "standard, white recycled paper." The Bureau noted that the distinctive paper stock it had been using was six times more expensive than the plain recycled paper it now uses.

The ULS License Manager (left) now includes settings that allow licensees to notify the WTB that they prefer to receive official authorizations on paper. Once final procedures go into effect designating electronic access as the default, licensees can change the ULS License Manager setting so that the Bureau will print and mail a license document. Licensees also may contact FCC Support via the web, telephone, or mail to request paper licenses.

The FCC rejected as "outside the scope of this proceeding" an ARRL argument that Section 97.23 of the Amateur Service rules be amended to replace "licensee mailing address" with other alternatives, including e-mail, for use in Commission correspondence. The rule, which requires that any licensee mailing address be in an area where the licensee has US Postal Service access, has precluded FCC issuance of location-specific call signs in such areas as Navassa Island (KP1) and some Pacific islands. [ARRL Letter 1/29/2015](#)



News From

Joe

1. Attendance drawing: Yes we are back and we had a winner. Bruce-KK6BJ ticket was drawn at our January 15 meeting and was present. Congratulations for being the winner for this monthly drawing. The winner must be present at the time of the drawing to be eligible to collect the monthly kitty. The member must also be a member in good standing which is a must since only members in good standing have their ticket in the can. Our next drawing will be for 20 dollars. Be sure to join us at our February 19, 2015 meeting.

2. Members in good standing for 2015: Please see the listing for your name.

Craig WD6AKX 551803
Darryl W6JII 551805
Jim W6JBN 551807
Paul KK6BY 551809
Kostek K6MNA 551811
Mark KA6ZTO 551813
Gary WD9DUI 551815
John KI6IMP 551817
Dick W1MII 551819
James KI6UPL 551821
Chuck K6CSH 551823
John AE6LK 551825
Joe WB6MYD 551827
Bruce KK6BJ 551830
Peter AC6EN 551832
Sarath KF6DBX 551834
Chuck KG6RPN 551836

Bob W6QAM 551804
Jerry KJ6JJ 551806
Alan KG6ZPL 551808
PatrickK6PDG 551810
Cliff K6LH 551812
Martin KJ6TSK 551514
Robert WB6RHE551816
Betty N6VZF 551818
Rob KB6KMX 551820
Bob KQ6WQ 551822
Hal KO6M 551824
Donna Wilson 551826
Alex KD6LPA 551829
Richard W6HYI 551831
Carolyn KE6LTQ 551833
Tom KI6RC 551835
KatleenKG6RPM551837

We thank you for your continued support and of course your participation in trying to keep up the good record for our club. You are part of the SBARC family and we do really appreciate your continued support. We have a lot to look forward this year so please stay in touch. We are always trying to stay radioactive please be part of this. Thanks.

3. Dues: Your SBARC dues are due and payable. Please take a moment of your time and renew your membership. Your membership is vitally important, we can't do the things without so please support us. It is so easy, just take a moment and write us that check for \$ 20.00 if you are alone, 30 dollars for 2 or family membership for 3 or more at the same email address. Please make your check payable to SBARC and drop it in a mail box for delivery into our mail box PO Box 536, Torrance, CA 90508-0536 and it will be picked up and recorded properly. Thank you so much.

4. SBARC Membership Services: Yes we do have services for you. I remind you a couple of times a year just so we don't forget this. So please look at the following: a. ARRL new or renew membership . Check with Joe b. Name badges: \$ 10.00 for your name and call c. Mentoring or assistance: See any officer d. Club equipment: See Joe to loan radio's, etc. e. Need membership support: Illness or death. see Joe f. Jackets & shirts: Tell Joe if you want a new Jacket etc g. Hamcon: 2015 Hamcon Convention in Torrance etc h. Info and Question column: Let Alan know your question or answer

The list can go on and on so please let us know how we can help you. If no success with one try another club officer. The whole idea is that we want to share. Share with you your problems and success, projects and more importantly your need. Let us know and we'll see.

5. Speaker project for our Feb. meeting: I've mentioned this before but would like for you watch for any and all information coming your way about this. This is such an interesting endeavor by Bruce and Tom you DO NOT want to miss this. Join us Thursday Feb 19, 2015.

6. Club projects: As you know we have actually on 3 major project which we do throughout the year with your support. 2015 Field Day, JOTA and this year Hamcon. This is the ARRL SouthWest Convention right here in Town at the Marriott. The SBARC is responsible for the W1AW/6 station including the talk in on VHF. At this point we're desperately looking for Mobile or Motor home for the HF W1AW/6 Station set up at the Marriott. Please let us know about one we could borrow for the September 11 to 13th, 2015 dates. We are also looking for a mobile antenna tower that we could borrow for either an tri band or maybe even an 4 band HF antenna. I am just asking to see if you know about either one of these items (Not antenna's) we could use. Please think about this. Joe-WB6MYD

I'd like to thank the club for the thoughtful gift of appreciation given to me at the Christmas/Holiday dinner. I will put the gift card to good use.

*Thank you again.
Glenda, KF6QFE*

Thursday Night Net
@ 7:30 p.m.



Please join us on W6SBA 224.38 minus offset and the PLat 198.2 hz you can share your experiences or just say hello!

CALENDAR

Council Meeting - 1st Wednesday of the month
Call Joe - WB6MYD (310) 328-0817

Club Meeting - 3rd Thursday of the month
February 19, 2015 - 7:00 p.m.
Torrance Memorial Med Center
Health Conference Center, Room 1

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,
February 28, 2015, 7-11 a.m.

VE Session - Contact: Joe WB6MYD
Phone: (310) 328-0817
jlanphen@ca.rr.com or w6sba@arrl.net

Social Event - Contact: Joe WB6MYD
Phone: (310) 328-0817
jlanphen@ca.rr.com or w6sba@arrl.net

CLUB SERVICES

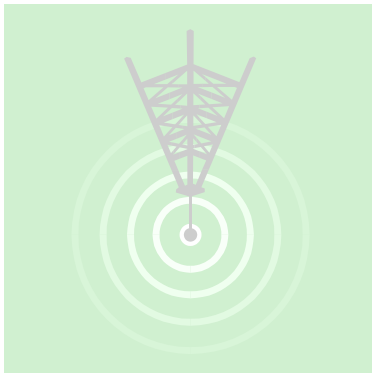
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Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Joe - WB6MYD
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
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South Bay Amateur Radio Club Repeater
224.38 MHz · PL - 192.8 Hz Offset -1.6 MHz
(See Calendar for Weekly Net Times)

NEWSLETTER SUBMISSION

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Address Correction Requested

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