



March 2018

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>

Elmers: We bemoan the fact that Amateur Radio Operators are aging faster than new blood is coming in, can we do anything about it? We give tests for the advancement of license class, but we give few classes on “On-the-Air” operator skills. It is time we develop the skill set needed for both newcomers and old time club member to truly enjoy our hobby. Our future is in our members, so meet the new Ham, invite them to our club, and lets guide them through the world of Amateur Radio. Our first step is to make available to new local Hams an introduction session to Amateur Radio where we can explain what we enjoy about the hobby. Meet and talk to new members and invited guest at club meetings and events. Lets make our Elmer program a vital link to our club and Amateur Radio.

WAM (Worked All Members): Remember to send your January 1 to March 31, 2018 logs to Ed, KN6JN. Ed email address is on the club roster. For WAM credits, use Date, Time (UTC preferred) Callsign, Band and Signal Report.. Use last years roster as your membership guide. Logs should be submitted on March 31, 2018, after 17:00-hrs. Note: (17:00-hrs PDST is 00:00-hrs UTC April 1st)

Kirk, KK6KC will present our program at this months meeting, Thursday at 19:30-hrs TMMC Room 4. The subject will be the “setup and operations from your hotel room in paradise...”

Remember to use the W6SBA website (www.w6sba.org) for all your club activities and announcement as well as the ARCOVER newsletter.

73!

Ray, WA6OWM



< 2018 CLUB OFFICERS >

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SBARC Presentation

MARCH MEETING

Mobile stations and the Use of FT8 Digital Communication

By Kirk KK6KC



Kirk Crawford KK6BC developed his radio fascination in 1974 when he was given a crystal AM radio kit. He was licensed as a Technician in 2002 to help him enjoy a round the world trip. He upgraded to Extra in 2015 the same year he won an HF radio at the Hamcon in Torrance, joining SBARC immediately thereafter.

He received a BS in Physics from UCI and has worked at Aerospace Corporation for over 30 years, currently as an in house programmer. He is the president of the ham radio club at work and enjoys travelling many places with his radio.

We are still working on the logistics of doing a satellite contact with him when he is working atop Mt Haleakala from 10,023 ft. elevation

Please join us Thursday March 15, 2018 as he explains how he is able to setup his portable rig in a hotel room and work the world on FT8 and other modes.

Meeting Location in Room 4 of TMMC,
Health Conference Center



CORNER

WITH ALAN, KG6ZPL

- 1) If you have 3 nickels, 3 dimes, and 3 quarters, how many ways can you make change for a dollar?
- 2) Without using a calculator, which is larger: $46 \times 767 \times 72$ or $767 \times 46 \times 74$?
- 3) I start with M and end with X. I have a never ending amount of letters. What am I?
- 4) What do you call a bear without an ear?

February Answers:

- 1) What is the smallest number greater than 95,555 where four of the digits are the same? **95,999**
- 2) What English word contains all of the vowels in alphabetical order? **Facetiously**
- 3) What is white, has one horn, and gives milk? **A dairy truck.**
- 4) What tastes better than it smells? **A tongue.**

Please send answers, questions, or comments to Alan at thermic72@sbcglobal.net



3Y0I Bouvet Island DXpedition to Extend Beyond Amateur Radio

One way or another there will be amateurs on Bouvet island. Members of the 3Y0I DXpedition to Bouvet Island will be doing more than handing out contacts to the



world's community of DXers. According to the 3Y0I Bouvet Island DXpedition, this will mark the first-ever Polish-led expedition to Bouvet, and it will include geographical exploration of the island, a trek to the top of the island's glacier, Olavtoppen, at 760 meters (nearly 2,500 feet) above sea level, and photo and video documentation of the team's voyage to Bouvet and stay on the island, both for sponsors and the Norwegian Polar Institute. The DXpedition also will place what the 3Y0I is describing as a "time capsule" on Olavtoppen. A dependency of Norway, Bouvet is considered to be among the most remote places on the planet.

"Such gigantic geographical isolation, combined with severe weather conditions, and a lack of communication channels in this region of the world, Bouvet Island is one of the least-visited places on Earth," the 3Y0I website describes. "Fewer people have put their feet on [Bouvet] than on the surface of the moon. Our expedition is really an expedition into the unknown."

Bouvet is #2 on the DXCC Most-Wanted List, right behind North Korea, from which 3Y0I DXpedition leader Dom Grzyb, 3Z9DX, operated briefly in December 2015. "Over 1 million hams from all continents are waiting for a contact [with Bouvet]. No wonder. The last time Bouvet Island was heard on the amateur bands was 10 years ago," the team's website said.

The DXpedition's members face a voyage of up to 3 weeks on often-stormy South Atlantic waters. Grzyb has raised the possibility of live online video feeds from the trip, as well as social media exposure. The contingent of DXers will set sail from South Africa on a seagoing yacht adapted for extreme weather.

No dates for the 3Y0I DXpedition have been announced, but it will take place during the subantarctic summer in the Southern Hemisphere. ARRL Letter 2/22/2018

Amateur Radio Emergency Service Transitioning to New Online Reporting System

The Amateur Radio Emergency Service (ARES) will phase out the traditional ARES report forms later this year in favor of an online system called ARES Connect, a volunteer management, communications, and reporting system. The new



system will allow information to be logged by ARES members and managed through the Field Organization. The advent of ARES Connect is one of the key elements highlighted in "The Amateur Radio Emergency Service (ARES) 2017 Annual Report," released this week.

"ARES Connect is a volunteer management system that covers event signup, reporting, and roster management," ARRL Emergency Preparedness Manager Mike Corey, K11U, said. "It does not change how

ARES operates when serving a partner entity; it is simply a system that will make managing volunteers and events easier." Beta testing of ARES Connect will begin in March. ARES made changes to its report forms last year to make it easier to process information at ARRL Headquarters and to standardize the format for all forms. ARES Monthly Reports have been posted to the ARRL website, providing regular information on Amateur Radio public service communication activity, the report noted. ARRL Letter 2/22/2018

ARRL Comments on Technological Advisory Council Spectrum Policy Recommendations



In comments to the FCC on a series of Technological Advisory Council (TAC) spectrum management policy recommendations, ARRL said that while some of the Council's recommendations are valid, it would be "highly inappropriate" to generalize about applying them broadly in all radio services. The comments, filed on January 31, were in response to a December 1, 2017, Public Notice in ET Docket No. 17-340. ARRL took the opportunity to strongly urge the FCC to reinstate a 2016 TAC noise floor study, which, ARRL asserted, was apparently terminated before it even got started.

"Indeed, it is difficult to imagine how the Commission can now...suggest the adoption of specific spectrum management principles, incorporating such concepts as receiver immunity, HCTs [harm claim thresholds], and interference temperature determinations without having...a firm grasp on ambient noise levels in basic RF environments and geographical areas," the League told the FCC.

ARRL reiterated its encouragement for the FCC to incorporate receiver performance specifications into US spectrum policy on a broader basis. "ARRL accepts...that increased spectrum user density is the inevitable result of new wireless services," the League said. "Given that this intensification of the use of the radio spectrum will necessitate new overlays of dissimilar radio services...in increasingly shared spectrum, it is necessary to depart from the traditional regulatory model that the Commission has utilized for spectrum allocations."

That model, ARRL said, has, almost without exception, placed limits only on transmitters, while the inability of some receivers to reject out-of-band signals "constrains new allocations in adjacent bands." This calls for what ARRL called "a 'holistic' approach to transmitter and receiver performance."

"Requiring better performance from receivers or RF-susceptible devices is a valid, reasonable, and long overdue requirement," ARRL said, "but the major goal of doing so should be to prevent instances of interference, not solely to allow the overlay of otherwise incompatible sharing

partners in deployed spectrum to the detriment of incumbents."

ARRL argued, however, that the Amateur Service should not be subject to receiver immunity standards, because licensees employ a wide range of propagation, emissions, bandwidths, power levels, receivers, and antennas, making any receiver performance standards arbitrary, and compromising the Service's experimental nature. They are also able to differentiate between interference from nearby spurious or out-of-band signals and that caused by receiver deficiencies.

"Receiver immunity is not an intra-service issue in the Amateur Service," ARRL said. "The issue...is, rather, protection from spurious and out-of-band emissions from other services."

ARRL said that while the TAC's allocation principles include over-generalizations, the Council is "very much on the right track" with such concepts as receiver immunity standards for certain radio services and, especially, for consumer electronics "and the initiation of necessary and urgent programs, such as interference-hunting teams, to supplement the Commission's meager enforcement resources." ARRL said it looks forward to working with the FCC in developing an interference-tracking corps. ARRL also supported the creation of a public database of past radio-related enforcement activities. What little FCC enforcement is necessary in the Amateur Service must be timely and visible, ARRL said.

But, ARRL returned to its assertion that a knowledge database regarding ambient noise levels in certain environments must be in place before adopting any next-generation spectrum management techniques.

"No system of spectrum management incorporating [harm claim thresholds] and receiver immunity levels can be accurately implemented" without the noise study data, ARRL said. ARRL Letter 2/1/2018

Membership Dues

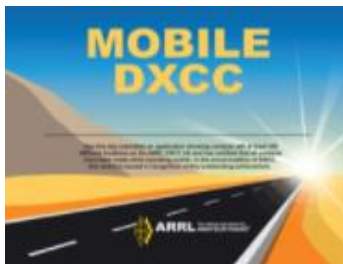
A single membership is \$ 20.00. Membership for two is \$30.00 (both have voting privileges) and family memberships for 3 or more are \$30.00 (only one member has voting privilege).

Please make checks payable to SBARC and mail to PO Box 536, Torrance, CA 90508-0536 . Checks preferred please.

Thank you. Joe, WB6MYD

ARRL Announces Mobile DXCC Operating Award

This week, ARRL announced a Mobile DXCC Operating Award, available to radio amateurs who have contacted at least 100 DXCC entities from a working vehicle, with antennas and power source capable of operating while in motion. ARRL Radio-sport Manager Norm Fusaro, W3IZ, advised those pursuing the award to put safety first.



"Distracted driving is a serious concern, so we hope all mobile operators exercise care when operating from a moving vehicle," he said. Full, official details are on the Mobile DXCC Operating Award page.

The Mobile DXCC is a one-time award and is non-endorsable. Contacts made any time in the past do count toward the award. QSLs are required, but you do not need to submit them. Mobile stations may use any power that is legal in the entity from which they are operating. This award specifically excludes contacts made by aeronautical or maritime mobile stations.

You do not have to be an ARRL member to qualify for this award. Because this award is similar to the QRP DXCC Operating Award, ARRL has redesigned the QRP DXCC Certificate so that the two awards complement one another. Operators who hold the QRP DXCC award may apply for the new-style certificate with the original date of issue printed on the certificate, but you do not have to re-submit QSL cards or a log. All certificates are \$16. ARRL Letter 2/15/2018

3Y0Z Bouvet Island DXpedition Aborted over Safety Concerns

The 3Y0Z Bouvet Island DXpedition website still invites visitors to "Follow Our Story Here." But that story took a disappointing turn on February 3, when the long-anticipated and costly DXpedition was abruptly aborted -- even as the Betanzos, the vessel that had transported the DXpedition team from Chile, sat at anchor in full view of the remote South Atlantic island where they'd hoped to operate. The DXpedition team had arrived just a couple of days earlier and was awaiting the opportunity to transport the team and equipment to the island by helicopter.

"During the last 72 hours, we continued to experience the high winds, low clouds, fog, and rough seas that have prevented helicopter operations since our arrival at Bouvet," a February 3 announcement on the DXpedition's website said. "No improvement was predicted in the weather forecast for the next 4 days. Then, last night, an issue developed in one of the ship's engines. This

ARRL Suggests FCC May Need to Intervene to Ensure Effective Antenna Rights

Commenting in response to an FCC Public Notice (DA 17-1180) released last month, ARRL addressed the extent of Amateur Radio's response to recent hurricane disasters and efforts needed to expand the use of Amateur Radio services



when it comes to planning, testing, and providing emergency communication. Amateur Radio not only has been "far more than a hobby;" it is a ubiquitous, infrastructure-independent communication resource that's always ready to deploy effectively whenever and wherever needed, the comments assert.

ARRL raised three areas where action by the FCC could ensure and enhance the ability of radio amateurs to provide emergency communication, including the current Amateur Radio Parity Act of 2017 (S. 1534), now in the US Senate.

"HOAs can preclude amateur antennas in common areas. HOAs can enact reasonable written rules governing height, location, size, and aesthetic impact of, and installation requirements for, outdoor antennas and support structures for amateur communications, but the effective outdoor antenna requirement is paramount," ARRL noted in its comments.

"The bill is currently before the Senate Commerce Committee. If, however, Congress is unable, as has been rumored, to pass any telecommunications legislation this term, it will be incumbent on the Commission to take the action on its own initiative that would be called for by this legislation. The future of Amateur Radio emergency communications is dependent on it."

ARRL asserted that it "is critical to have stations located at one's residence in order to regularly participate in disaster preparedness training exercises and drills." ARRL Letter 2/8/2018

morning, the captain of the vessel declared it unsafe to continue with our project and aborted the DXpedition. We are now on our long voyage back to Punta Arenas [Chile]. As you might imagine, the team is deeply disappointed, but safe. There is already talk about rescheduling the DXpedition."

The cost of the 3Y0Z DXpedition approached \$750,000, about half of that coming from the 20 team members -- top operators from several nations, with considerable DXpedition experience. In the planning stages for 2 years, the DXpedition had attracted contributions large and small from clubs and individuals around the world -- including \$100,000 from the Northern California DX Foundation -- its largest grant ever -- as well as an ARRL Colvin Award and a Yasme Foundation grant. A dependency of Norway, Bouvet is the third most-wanted DXCC entity. The last Bouvet activation was 3Y0E, over the winter of 2007-2008. ARRL Letter 2/8/2018

SPOT the INFORMATION

1. **Attendance drawing:** How lucky can you get? The winner for the Feb 15th meeting was none other than Ray-WA6OWM. Ray was present and presented with the \$ 20.00 kitty. Congratulations sir. Remember to win you must be a member in good standing.
2. **Thank you:** Our speaker Charlie –AJ9N made a great presentation on the role of ARISS in facilitating schools, boy scouts or other groups to talk to an astronaut in the International Space station. He also did this for Joanne-KM6BWB at her middle school in last year. What was impressive was the fact that he showed the process involved in getting those groups to talk to the ISS. So many things have to be arranged, approved and all the preparations before they can even talk about this. NASA gets involved, the ARRL, and of course ARISS. Thank you Charlie for this excellent presentation waking us all up with all the preparation process required.
3. **Thank you to the following donors:** A) Robert Shaw WB6RHF, donated 2 repeaters. They were taken to the TRW swap meet and funds contributed to the swap meet proceeds. Thank you Robert. B) Curtis Watanabe-KI6KUK also donated a considerable number of items which Tom-KI6RC placed on e-bay and found buyers for a lot of parts. This too contributed to the swap meet proceeds. C) A SMD Rework Station, model 852D+ was also donated to the club. The only thing about the donator I have is his first name John. This is a brand new Rework station and has soldering with hot air and all the other regular solder tips. This is still available and is going for \$ 50.00; brand new, never been used. Thank you John for this generous donation. These 3 items brought a nice amount to support the SBARC for which we are very grateful.
4. **The following members have paid the 2018 dues:** Robert WB6RHF 3281980 Steve KM6EMF 3281981 Chuck KN6H 3281982 Dick W1MII 3281985 Betty N6VZF 3281986 Hal KO6M 3281987 Howard KF6NOR 3281988 Kirk KK6KC 3281989 William WB6RMY 3281991 Jerry KJ6JJ 3281992 Alan KG6ZPL 3281993 Bill KQ6Z 3281995 Steve KJ6VWN 3281996 Rick K6RTS 3281997 Norman K6UU 3281998 Ray WA6OWM 3281999 Harlan KC6YBJ 3282000 Thank you all for your continued support and we really look forward to working with you in this new year. Your participation in the past was fantastic.

5. **New members:** We have two applicants for membership with the SBARC awaiting approval at the Council meeting. **William-WB6RMY**, Adv. Class from Manhattan Beach has asked for membership. You may remember William from the presentation at the Jan meeting in which he talked about some antenna issues that we might have. We are very grateful and we may call upon him if we do come about any antenna issues. Our next applicant is also familiar to us in that he participates in numerous VE sessions as a VE. **Norm-K6UU**, Extra class which now to join us. He is from Redondo Beach and we definitely appreciate his assistance in the past and hopefully in the future. Please welcome both as members the next time you see them.
6. **WAM contest:** This is an ongoing project directed by Ed-KN6JN for the entire year. However, it is in quarterly sessions if you will. So the first session will end March 31, 2018 and you are asked to turn in your log by the April meeting to him. Your next sessions rules will be published shortly. Thank you for participating.
7. **Dues:** Remember your dues are due and payable at this time. Club year is from Jan 1 to Dec 31. Please make your check payable to SBARC and mail to the PO Box 536, Torrance, CA 90508-0536 or see me sat the meeting. In order for you to remain a member in good standing we are asking you to please take care of this ASAP or before the end of March 2018. Thank you. As always we look for your continued participation and your support for which is really appreciated. We would also to remind you that if anything has changed, address, phone No and or email address please let us know.
8. **Calendar:** Please check the calendar on our website for any new details. Meeting this month is in Room 4 of the Health Conference Center on March 15th. April 19th meeting will at a different location or at the old South Bay Hospital site on Prospect in Redondo Beach. Thank you Bruce for making that arrangement.



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

CALENDAR

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

Club Meeting - 3rd Thursday of the month
March 15, 2018- 7:30 p.m.
Torrance Memorial Med Center
Health Conference Center, **Room 4**

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,
March 31, 2018, 7-11 a.m.

VE Session - Contact: Joe WB6MYD
Phone: (310) 328-0817
jmlanphen@gmail.com or w6sba@arrl.net
(All VE sessions are scheduled for Room 4 in the Health
Conference Center for 2018)

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

CLUB SERVICES

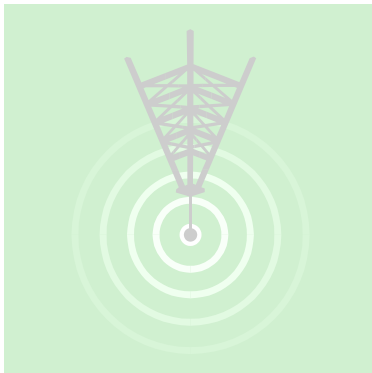
| | |
|-------------------------|---|
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| Health & Welfare | Joe - WB6MYD |
| Swap Meet Chair | Tom-KI6RC, Chuck- K6CSH., Bill-KQ6Z |
| VE Test Liaison | Betty Barch-N6VZF |
| VE Test Sessions | Betty Barch-N6VZF |
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South 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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TO:



Address Correction Requested

A COMMUNITY SERVICE ORGANIZATION

W6SBA

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