



April 2016

ARCOver

A Community Service Organization Dedicated to Amateur Radio Since 1970

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Hi everyone.

It's that time of the month again so here's another homily from your president. First, the response to our request for members to volunteer to be subject area "Elmers" to other members can best be described as both disappointing and abysmal. Other than current Council members, only three of you bothered to reply. This is supposed to be a Service Club so please consider lending some of your expertise to your fellow club members. We are not asking for multiple hours of work. I would be surprised if you were asked more than one or two questions in a year. I am also going to ask members to volunteer to be mentors to new Hams joining the club so, when the request is made, please give some real consideration to doing it. We get few new hams joining each year so again this is not a labor intensive job.

Field Day is fast approaching. We are going to use new antennas this year. Your Council has been evaluating antenna options since the beginning of the year and has picked two radial free verticals for use on 10 – 20 meters and will also use our usual 40 and 80 meter dipoles. A new bonus point category this year is safety officer and DR. Bruce, KK6BJ, has volunteered to fill the position as he has become interested in our personal safety. I don't know why, since if we fall of the parking structure, it just creates more business for him. (It's a joke, Bruce) We hope to see a renewed interest in Field Day this year and, in particular, operating during Field Day!

The Torrance Armed Forces Day Parade is on Saturday, May 21 this year and, as usual the last few years, we don't know whether or not we will be asked to participate. Last year we were only given about a week's notice. We have decided that, if we do not participate in the parade, we will have a picnic and practice erecting our new vertical antennas and perhaps doing a little operating once they are up. So keep that date clear as there will be some kind of club activity that day. If we don't work with the antennas on the 21st we will have to do so on some other day so that we know how to put them up and also know how well they work.

This month's talk will be about the Narrow Beam Emergency Messaging System and will be presented by Dean, N5DQ. I'm looking forward to the talk because I don't have a clue what the NBEMS is.

We are still planning to hold Morse code lessons. At least eight members have responded to Ray, WA6OWM, regarding this. The plan is still for home study followed by weekly on the air practice sessions. Please re-contact Ray if you are serious about this and refer to my February message which gives information on where you can get on-line code learning sessions. You will have to commit to home practice or this will not work. If you want to learn the code, this is a good opportunity to do so. Remember that CW is still a more reliable way of making a contact than is phone, takes up less bandwidth, and, most importantly, counts double for every Field Day QSO! That's it for this month. Happy Hamming and 73,

Alan

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Narrow Band Emergency Messaging System -- Using Sound Card Technology

NBEMS is a simple and easy way to send error-free digital messages. You don't have to buy an expensive modem or software; you don't even need a dedicated connection to your radio. NBEMS uses the FLDIGI suite of software routines which are free to download.

Deane was born in New Orleans, the youngest of three boys. His father was a TV repair technician, so Electrical Engineering in college was a natural. In college he joined the ROTC and finished a 20 year career in the U.S. Air Force. Then Deane joined Hughes Space and Communications (now Boeing Satellite Development Center) and spent 18 years as an employee and another 4 years as a consultant building communications satellites. Now fully retired, he is busier than ever; volunteering for Little Company of Mary Medical Centers, the City of Torrance and Los Angeles County Disaster Communications Service. All of these activities are centered on improving disaster communications for our community.



Deane Bouvier, N5DQ

Join us—April 21st at 7:30pm; Torrance Memorial Med Center, Health Conference Center, Room 3

**Bring A Friend
on the 21st!**



- 1) Mr. and Mrs. Jones have four daughters. Each of them got married and had four kids of their own. How many are there now in the family?
- 2) Place two “+” signs and two “-“ signs in the following sequence so that the sum is correct:
 $9\ 8\ 7\ 6\ 5\ 4\ 3\ 2\ 1 = 621$
- 3) A man is fishing from the shore and hooks a fish 25 feet out. Each time the angler pulls the fish in ten feet, it swims back out five feet. When he finally lands the fish, how far has it traveled assuming it moves in a straight line?
- 4) Using normal arithmetic operations use three threes to make 24.

Answers to March's Quiz

- 1) How can you add eight 8's to get 1000?
 $888+88+8+8+8=1000$
- 2) The circumference of the Earth is approximately 40,000 km. If we made a circle of wire around the globe, that is 10 meters longer than the circumference of the globe, could a man go under it?
It is easy to compare old and new perimeter - original perimeter is $2\pi R$, length of wire is $2\pi R + 10$ (new R) and find out that the result is about 1.6 m (about 63 inches). So a smaller man can go under it and a bigger man ducks.
- 3) Is it correct that seven and five is thirteen or seven and five are thirteen? *Neither, 7 and 5 is 12.*
- 4) What has a head, a tail, is brown, and has no legs? *A penny.*

Date Night
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!

“ARRL The Doctor is In” -- the Podcast -- Debuts on April 7

The popular QST "The Doctor is In" column soon will also be available as a podcast! "ARRL The Doctor is In" will debut on Thursday, April 7, and subsequent new episodes will be posted every other Thursday. The podcast will feature QST columnist and technical whiz Joel Hallas, W1ZR, with QST Editor in Chief Steve Ford, WB8IMY, serving as the host. Each 20-minute program will be available from Apple iTunes and Stitcher -- the two largest podcast distribution platforms (search for "ARRL The Doctor is In") -- and episodes will be archived on the ARRL website. DX Engineering is the sponsor of the "ARRL The Doctor is In" podcast.



"When the ARRL presented us with this unique opportunity, it was an easy decision to make," said DX Engineering CEO Tim Duffy, K3LR. "DX Engineering is one of the most prominent businesses supporting the ham radio community, so it just makes sense to be part of the 'ARRL The Doctor is In' podcast."

The new, twice-monthly podcast will cover a broad range of technical topics of interest to all amateurs -- everything from antennas to zener diodes and beyond. We invite listeners to send us their own questions for the show. Your question could be answered in a future podcast.

"ARRL The Doctor is In" arrives on Thursday, April 7! ARRL Letter, 3/31/2016

NASA's Technology Demonstration Office

NASA's Technology Demonstration Office is the space agency's sponsoring organization. The school has been working with Joseph Pellegrino at Goddard Space Flight Center in Maryland, and with the Arlington Amateur Radio Club. NASA provided the school with a mobile



"cleanroom" to ensure that the construction phase met with strict guidelines and standards for

The STMSat-1 payload. An ISS crew member will have to pull the red lanyard to remove the lens cap from the CubeSat's camera before it's deployed.

launch and deployment from the ISS. NASA also provided the school with an antenna, so the school can receive the SSTV images and temperature readings the satellite sends back. The students already have tested their CubeSat by sending it aloft on a tethered balloon. The school has been working with the Arlington Amateur Radio Club.

The SSTV camera on board STMSat-1 will transmit a Martin-2 image every 30 seconds, but no beacon. The youngsters are hoping it will send back images of Earth as seen from space. The transmitter runs 3 W, and there is no onboard data storage capability.

The project aims to engage other schools around the world as "Remote Mission Operation Centers". STMSat-1 has an estimated lifetime of at least 9 months ARRL Letter 3/10/2016

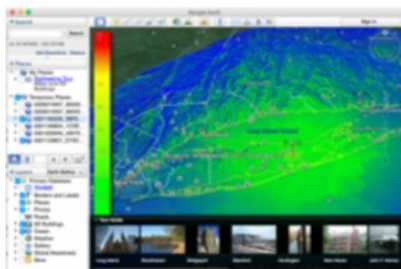
ARRL 2016 August UHF Contest Cancelled: The ARRL August UHF Contest for 2016 has been cancelled, while the ARRL VHF Contest Revitalization Committee mulls its future. The Contest Revitalization Committee fielded dozens of comments from members concerning possible changes to this annual UHF operating event, traditionally held on the first weekend of August each year. Many commenters expressed dissatisfaction with the timing of the contest, occurring as it does at the hottest time of the year, and that it was too close on the calendar to other VHF/UHF events. In response to this member input, the Contest Revitalization Committee recommended to the Programs and Services Committee (PSC) that the 2016 August UHF Contest be cancelled, and the PSC agreed. The ARRL VHF Contest Revitalization Committee continues to study the possibility of redesigning the August UHF Contest or replacing it with a similar event at another point in the calendar -- possibly in the spring -- for 2017. The Committee will solicit member comments in the near future, as it weighs several alternatives. ARRL Letter, 3/17/2016

RFinder -- The Worldwide Repeater Directory -- Now Includes Coverage Maps

RFinder -- The Worldwide Repeater Directory -- now will include coverage maps for all repeaters on Earth. In February, the ARRL established an agreement with RFinder, the creator of a web- and app-based directory of Amateur Radio repeaters worldwide, to serve as its preferred online resource of repeater frequencies. RFinder has partnered with CloudRF.com to provide the maps.

"Our systems are busy rendering and indexing coverage maps, based on ground-path loss using the Longley-Rice irregular terrain model," explained RFinder Creator Bob Greenberg, W2CYK. "We have worked with Alex Farrant, M6ZUJ, creator of CloudRF.com, to render coverage maps for nearly the entire collection of repeaters in RFinder's database."

RFinder has downloaded and will serve as a host for KMZ (Keyhole Markup Language Zipped) overlays for Google Earth. The resulting KMZ place marker files will be viewable in Google Earth on Windows and Mac platforms (via web.rfinder.net and routes.rfinder.net) and on Android and iOS versions of RFinder. The Windows and Mac versions allow the viewing of multiple coverage maps at the same time.



An RFinder screenshot of the Long Island, New York, vicinity.

As part of this project, RFinder will provide free access to repeater coordinators worldwide. As coordinators update repeaters with height above average terrain (HAAT), power and gain, and latitude and longitude, maps will be automatically re-rendered within a few minutes and made available to subscribers. The sign-up procedure for the repeater coordinator program will be announced later this month. The new capability is expected to ease the work of repeater coordinators, as they will easily be able to see repeater coverage maps side by side for both coordinated and uncoordinated machines -- information critical as simplex nodes for Internet linking, cross-band repeaters, and homebrew repeaters crop up worldwide.

Users of the trial version of RFinder on Android will have access to coverage maps for a limited time, after which only subscribers will have access. An annual \$9.99 RFinder subscription provides access to repeater data worldwide. ARRL Letter, 3/17/2016

NCVEC Announces Third Public Release of 2016-2020 Amateur Extra Question Pool

The National Conference of Volunteer Examiner Coordinators (NCVEC) has released the third revision of the Amateur Extra class (Element 4) question pool that goes into effect on July 1. This revision supplants the Element 4 question pools released on January 8 and February 5, and includes corrections, modifications, and various editorial changes. The Element 4 question pool diagrams are in a separate document.



"We would like to remind the public that users of question pool documents are free to correct minor typographical or punctuation errors, including obvious minor omissions of same," the NCVEC Question Pool Committee said in releasing this revision. "Such corrections must not cause a change in the meaning of a question or any of the proposed answers to the questions."

The QPC notes that FCC Part 97 rule citations are not a part of the exam question itself, but are included for reference purposes, and that errors in or changes to Part 97 are not considered adequate reason to remove a question from the pool. The QPC invites comments and questions. -- Thanks to the NCVEC Question Pool Committee



Hahaha

"Frequency" TV Series Now Planned for The CW Network

The buzz from Hollywood is that a TV series based on the 2000 movie "Frequency" is in development and -- appropriately enough for a show featuring ham radio -- on The CW network. Amateur Radio served as a plot device in the movie and will play the same role in the TV series.

In November 2014, The Hollywood Reporter indicated that NBC had committed to a "Frequency" series, but those plans apparently fell by the wayside. Now, The CW has ordered a pilot episode of "Frequency," and, if the network does go forward with the project, the modern-day version of "Frequency," the TV series, would feature a young female police detective named Raimy, who uses ham radio to communicate through time with her deceased father. When the original "Frequency" movie debuted, the ham radio theme and the chance to see vintage ham gear and real, glowing vacuum tubes on the big screen generated considerable interest within the community of "boatanchor" enthusiasts. ARRL worked with the film's producers. ARRL Letter, 3/3/2016



Actor Jim Caviezel in the 2000 movie, "Frequency." [Courtesy of New Line Cinema]



TRW Swap Meet — March Report

On Saturday morning, March 26th, the South Bay ARC once again manned their booth at the TRW swap meet. Tom, KI6RC, was in charge of the merchandise and setup this month assisted by Chuck, K6CSH. Bill, KQ6Z, was there for most of the day for support. This is all new as Joe, WB6MYD, has been doing this for many years. Thanks, Joe, for your years of doing that. Now you can sleep in on the last Saturday of the month. The weather was a bit cool early on but turned out being warm and sunny after the fog burned off. We had acquired some more electronics to sell including power supplies in various states of repair.

Joe showed up mid-morning, to visit and check out the deals this month. Bruce KK6BJ, and Tom had a lively discussion with Paul, KK6BY, about the new electronic equipment they are planning for the next balloon launch. Paul, being the Arduino expert had suggestions and input for the balloonatics. They are coming up with new and exciting options for tracking the craft throughout the flight. The ultimate goal of the next flight will be to actually locate it after the landing. Hopefully there won't be a large lake in the proximity of the landing zone. Several others came by to chat and check things out or just rest a minute. Other attendees included Mike, Gary, Brian and Patrick. I am not sure of call signs so I will leave it at that. At least ten members came by during the morning. Be sure to drop by the space and say "Hi" when you are at the swap meet. Look for the club banner at our space near the coffee truck. We also have a few chairs available so you can rest up a moment before going back out and buying more goods.

Bill made use of our hand truck to take his heavier purchases to his truck so he could return to buy even more bargains. The swap meet had a decent turnout of buyers and we had quite a bit of action at the table throughout the morning. After the cleanup and packing of the merchandise, we again enjoyed a brunch at Denny's with 6 members in attendance. Next month will be setup by Bill with support from Tom and Chuck. As always it will be on the last Saturday of the month. For April that will fall on the 30th. Hope to see everyone there again for more fun and deals.

Chuck Hohn, K6CSH



1. **Attendance Drawing:** Lowell-W6QH left prior to the drawing and missed out on the 25 dollar kitty at our March meeting. Sorry Lowell but one must be present to collect this monthly kitty if you will. The April drawing will be for \$ 30.00. Be sure to be present for the drawing because you never know!!!!

2. **Thank you:** We wish to thank James-KI6UPL, David-N6HD our ARRL SW Div Section Manager and Joe-WB6MYD for their presentation on Disaster Communications preparedness. James presented the Toyota side of CERT which as shown is a lot more comprehensive at their local facility than we thought. Great James for bringing the Toyota CERT program to our attention. David presented his side of ARES to our attention. ARES is really an ARRL National presentation in Emergency preparedness and its operation Nationally. Thanks David to make this presentation as well of course. Joe as the final presentation for this evening brought the LA County Disaster Communications Service which is administered by the LA County Sheriff's Department. Thank you Joe for your attempt to clarify several issues with that Agency. This was cut short due to a problem with the Power Point presentation by Joe. Several computer problems made it impossible to present the 2nd half of the presentation which was to clarify the DCS role in disaster preparedness for the LA County. An lively discussion would right from the start indicate the need to complete this presentation at a future date soon. It is clear from the question and answers following each presentation that we have a need to look further into the organizations as an attempt was made to clarify its functions and place in case of an catastrophic major disaster in our own back yard if you will. After all we are as HAM's are obligated to be part of this. Thanks everyone for the efforts.

3. **Paid up members:** The following members have paid their dues since our February or last listings. Alan-KG6ZPL 551935 Bruce-KK6BJ 551936 Ron-KK6SFM 551938 Bill-KQ6Z 551939 Steve-KJ6VWN 551940 Lowell-W6QH 551941 Glenda-KF6QFE 551942 Scott-N6LEM 551943 Kathleen-KG6RPM 551944 Chuck-KG6RPN 551945 Thank one and all for your continued support to the SBARC. Your membership is very important to us

all. Your continued support, participation and contributions are greatly appreciated. Thank you-WB6MYD

4. **Torrance Armed Forces Parade:** While we can't tell whether we will again participate in this year's Armed Forces parade it is hope we will of course. With that said since we all know that this might pop up at the last moment we should make plans. I would like to suggest that if you have participated in this in the past to let us know if you again would be willing to let us know. If on the other hand you never have done this before but would like to know-I know you know where this will be going of course. Yes let us know also if you would like to participate. If you have no idea as to what we do well let me tell you; The Torrance Annual Armed Forces parade is one of the biggest parades this side of the country. We honor all Service women and man, active or non active and all Veterans and of course retired members as well on May 21st this year. While the parade has been scaled down a lot the last couple of years it still is one of the better parades around honoring our Service man and women. So what do we do well as always a parade is made up of units. In this case we are talking about Divisions. Each Division is made up of units which are lined up in the down town area and along Torrance Blvd from the down town area to Crenshaw Blvd. That is what we do, we make sure each and every unit is in proper order within their assigned Divisions. This makes sense right so that when they pass by the review stand in front of the present City Hall on Torrance Blvd the announcer on the PA system makes the announcement (name and all that info) for the dignitaries so they know what's passing by them. Simple right? Yes and no, all we can do is ask the 55 ton tank driver or a large truck towing an howitzer or other big thing to be in a certain place so it is in a proper order crossing Crenshaw Blvd going West to the review stand. We usually start a little earlier like 10:00am and we are finished by about 2:00pm for the start of the parade. This is an very enjoyable part of being a ham, doing community Service .

5. **Field Day:** Yes Field Day is coming up right after the parade and here to we need to plan ahead. So please let us know how you can help us on June 24-26, 2016. Plans are being made but we need to know what our man power is going to be. Please let us know how you would like to help us with that. Lots of plans needing lots of help, help us make this happen please.

CALENDAR

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

Club Meeting - 3rd Thursday of the month
April 21, 2016 - 7:30 p.m.
Torrance Memorial Med Center
Health Conference Center, Room 3

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,
April 30, 2016, 7-11 a.m.

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

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

CLUB SERVICES

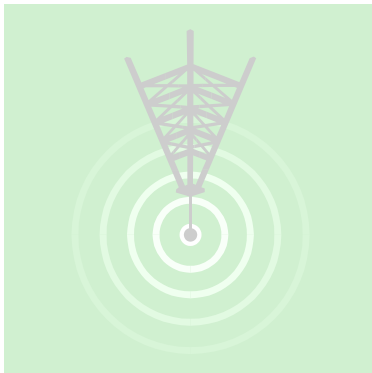
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Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC & Chuck-
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
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South Bay Amateur Radio Club Repeater
224.38 MHz · PL - 192.8 Hz Offset -1.6 MHz
(See Calendar for Weekly Net Times)

NEWSLETTER SUBMISSION

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