



May 2016

ARCO *over*

A Community Service Organization Dedicated to Amateur Radio Since 1970

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City of Torrance ★ California

57th Annual
**Armed
Forces
Day**
Celebration

U.S. ARMY

Observance ★ May 20-22, 2016
Parade ★ May 21, 2016

A Southern California Tradition

E-mail: W6SBA@arrl.net



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

Hi everyone:

Well, May is here and you know what that means. The Torrance Armed Forces Day Parade and Field Day are on the near horizon. The parade is very iffy at this point. We just got word that TARA's participation is not wanted by the city this year. We still don't know about our being part of the parade but it is looking doubtful. If we are not invited to the parade, we do have an alternate plan which I will discuss later.

Field Day planning is in full swing. It was the major discussion at our recent rather lengthy Council meeting. Please note that Field Day this year is June 25-26. We are not going to use the HF Yagis this year as we feel that it is getting too dangerous for our aging membership to erect them. Instead we are going to use two verticals that are being loaned to us by Paul, KK6BY, and by Mark, KA66ZTO. If we like them, we may consider buying one for the club's use in the future. The Council feels that we need to have a practice run erecting the new antennas so, if we don't do the parade, we will do it on May 21st and, if we do take part in the parade, we will have the practice on June 4th. In either case we will do it in the afternoon at the hospital site. Please try to keep those afternoons free until we get confirmation of the date.

I am very pleased that we will be able to keep food prices for Field Day at the same level as for the last few years: that is \$25 for three meals or \$10 for any individual meal. I am really pleased that Rob, KB66KMX, is going to again make his famous and wonderful tri-tip for dinner and Ed, KN6JN, will be making his great omelets for breakfast. As usual, rolls will be available for Saturday morning and snacks, coffee, and sodas will be out all day.

As usual we will need some trucks to haul tables and chairs Saturday morning and Sunday morning. We will keep you informed of our further Field Day plans as they unfold. Our June meeting, as usual, will be devoted to Field Day.

We need someone to take over the coffee duties for our monthly meetings. If you are interested, please contact Joe, WB6MYD. We also need someone and a

deputy to be the liaison to the ARRL for our VE sessions. Both positions require that you be an accredited VE. Again, if you are interested, call Joe.

Finally, we have been test building a potential club project which is a small 40 meter transceiver. If all goes well, we will have a club building session, probably in early fall but that is TBD at this time. Summertime will bring a club picnic or two and in October we will have JOTA. So, we are going to keep you busy! That's all for this month. 73,

Alan

CLUB OFFICERS FOR 2016

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Vice-President

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Council Member

Chuck Hohn -K6SCH
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Past President

Alex Marko - KD6LPA
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Balloonery 101 B- the use of amateur radio to facilitate launch and retrieval of a high altitude near space balloon with telemetry of location, weather conditions, retrieval of advanced photo imaging as performed by a class of middle school science students.

South Bay Amateur Radio Club's newest member Joanne Michael, KM6BWB had planned diligently to launch a near space balloon with her class of middle school students.



The sudden illness of one of the members of her flight team and unexpected postponement of confirmation of her amateur radio licensure led to teaming up with club members Jerry Cook, KJ6JJ and Tom Carter KI6RC for a remarkable adventure in near space.

Joanne Michael is a teacher specializing in science education at Meadows elementary school. She will be describing the inception of her project, ability to collaboratively build team of Air, Space, and Ocean Explorers and will be presenting and guided to her of this adventure in collaboration with experienced amateur radio operators, Jerry and Tom.



This presentation will be very entertaining and demonstrate one of the many reasons that we all share passion for amateur radio and opportunities to serve the community and involve youth in our projects.

Please come to this presentation in the Health Sciences Center, room 3, Torrance Memorial Medical Center on Thursday evening, May 19th at 7:30pm.

Bruce, KK6BJ



- 1) What is the difference between a cat and a comma?
- 2) Why are elephants gray?
- 3) There are five consecutive numbers that add up to 100. What are they?
- 4) In British Columbia you cannot take a picture of a man with a wooden leg. Why not?

Answers to April's Quiz

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?
26. Did you forget the husbands?

2) Place two "+" signs and two "-" signs in the following sequence so that the sum is correct:
 $9\ 8\ 7\ 6\ 5\ 4\ 3\ 2\ 1 = 621$
 $98+7-6+543-21 = 621$

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?

55 feet. In parentheses I give the distance from shore after each movement: 10 (15) +5 (20) +10 (10) +5 (15) +10 (5) + 5 (10) +10 on shore.

4) Using normal arithmetic operations use three threes to make 24.
 $3\ cubed - 3 = 24$, $3\ cubed = 27$ and $27 - 3 = 24$

Please send answers and comments to Alan at thermic72@sbcglobal.net



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



EVENTS LIST

DATES, TIMES & ACTIVITIES

FRIDAY, MAY 20

CONCERT: 1:30 p.m. & 7:30 p.m.

On May 20th at 1:30 p.m. and 7:30 p.m. the Army Band 300 "Hollywood's Own" will perform for FREE at the James Armstrong Theatre, 3330 Civic Center Drive. For tickets, contact the Box Office: 310-781-7171. The tickets are free and are on a first come, first served basis. There is a limit of four (4) tickets per adult. Ticket holders must be in their seats 15 minutes prior to show time or the seat will be made available to other patrons. Tickets are available at the box office on Wednesday, May 18, 2016 at 10 a.m. on a first come, first serve basis.

MILITARY EXHIBITS: 10 a.m. - 7 p.m.

Military exhibits will be on display, including aircrafts, vehicles, and support equipment at the Del Amo Fashion Center. The outdoor exhibits will be located at the parking lot just east of the Lifestyle Wing.

SATURDAY, MAY 21

PARADE: 1:30 - 3:30 p.m.

The 57th Annual Armed Forces Day Parade begins at Crenshaw Boulevard traveling west on Torrance Boulevard and ending at Madrona Avenue. All streets intersecting the parade route will be closed the majority of the day. Torrance's parade is the longest-running Armed Forces Day Parade in the nation. As one of few cities designated by the Department of Defense, the City of Torrance is proud to honor the men and women of our nation's Armed Forces. This year's honored branch is the United States Army.

The Army will be led by Grand Marshal, Robert B. Abrams, Commanding General U.S. Army Forces Command and Honorary Grand Marshal, actor, producer, writer, director and voice actor, Joe Mantegna.

MILITARY EXHIBITS: 3 p.m. - 8 p.m.

Military exhibits will be on display, including aircrafts, vehicles, and support equipment at the Del Amo Fashion Center. The outdoor exhibits will be located at the parking lot just east of the Lifestyle Wing.

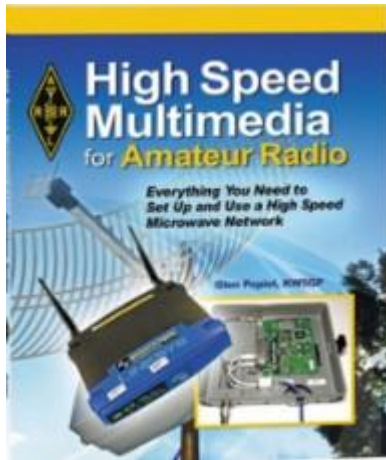
SUNDAY, MAY 22

MILITARY EXHIBITS: 11 a.m. - 3 p.m.

Military exhibits will be on display, including aircrafts, vehicles, and support equipment at the Del Amo Fashion Center. The outdoor exhibits will be located at the parking lot just east of the Lifestyle Wing.

High Speed Multimedia for Amateur Radio

High Speed Multimedia for Amateur Radio by Glen Popiel, KW5GP, now is available from ARRL. The possible uses for these high-speed data networks in the Amateur Radio community are endless. Virtually any service that works on the regular Internet can be adapted to an Amateur Radio high-speed multimedia (HSMM) network, including video conferencing, instant messaging, voice over Internet protocol (VoIP), network sensors and cameras, remote station control, and many other services. With the capability to send real-time video and data files, the public service and disaster support aspects of Amateur Radio are expanded tremendously.



"The area of high-speed microwave networking and multimedia allows Amateur Radio to take a giant leap forward in new methods of digital communication," Popiel said. "Through a blending of cutting-edge radio and computer technologies, a completely new frontier has been opened for hams to develop and utilize entirely new wireless networking technologies. The potential uses are endless, providing a powerful platform ideally suited for portable high-speed data networks, as well as tremendously enhancing the emergency communications aspect of Amateur Radio."

This book introduces HSMM networking, explains the basics of how it works, and describes the various technologies in use today. Later chapters explain in detail how to deploy your own HSMM network, along with various applications to put it to work. Well-illustrated step-by-step instructions will guide you through the process of installing and configuring software needed to get your HSMM network up and running. High Speed Multimedia for Amateur Radio is available from the ARRL Store or your ARRL Dealer.
ARRL.com 04/25/16



Two Free Amateur Radio Courses

- ⇒ FCC **“Technician”** course (entry level)
 - ⇒ FCC **“General”** course (2nd level)
- (Each course is 2 sessions)

Sessions will be on June 4 & 11

Location is at Fred Hesse Community Park
29301 Hawthorne Blvd., Rancho Palos Verdes

Technician 9:30 AM to 1:30 PM (bring your lunch)

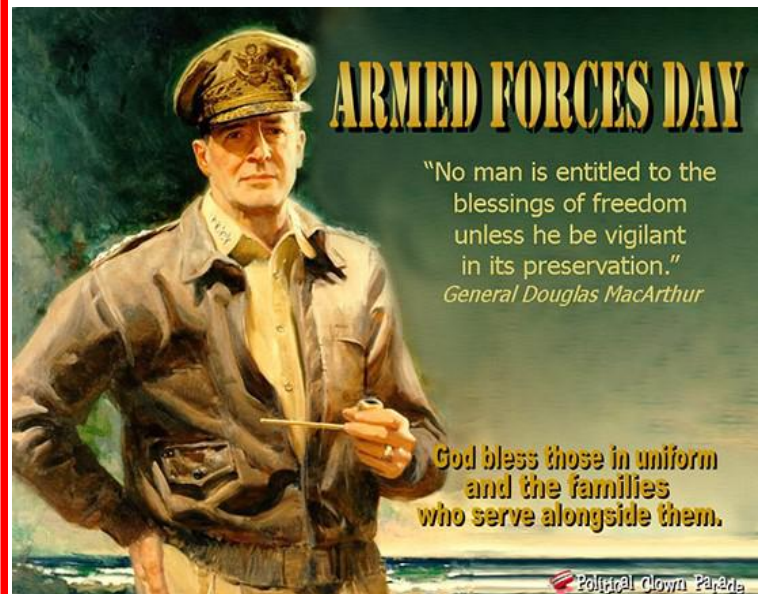
General 1:30 PM to 5:00 PM

FCC tests will be 10:00 AM - noon; June 18th
Taking the FCC test is \$15.

Confirm your attendance to Walt, K1DFO at waltordway@juno.com

Optional Material (sold at cost)

- Gordon West books with all the FCC test questions
- \$22 for the Technician and \$26 for the General
- Paper copy of my Power Point charts,
- \$22 for the Technician and \$22 for the General



Radio Amateurs Support Baker to Vegas Challenge Cup Relay

Hundreds of Amateur Radio operators, most from California, Nevada, and Arizona,



turned out March 19-20 to support communication for the 2016 Baker to Vegas Challenge Cup Relay (B2V). This year marked

the 32nd anniversary of the event, sometimes called "The world's longest police foot pursuit." The relay event covers some 120 miles of remote territory, from the Mojave Desert near Baker, California -- the gateway to Death Valley -- to Las Vegas, Nevada.

"This event allows the Southwestern US amateur community to showcase its abilities to the country's law enforcement community," ARRL Los Angeles Section Manager David Greenhut, N6HD, said.

As in past years, Joy Matlack, KD6FJV, served as Communication Director, assisted by Margie Hoffman, KG6TBR, organizing the Amateur Radio communication support. This effort involves nearly a year of planning and preparation. The 2016 event hosted 264 law enforcement teams.

Amateur Radio volunteers provided needed race staffing and filled potential emergency communication gaps in remote portions of the course. Los Angeles ARES (ARESLAX) teams were among the volunteering groups. ARRL.com 04/25/16

FCC Invites Comments on Petition to Eliminate 15 dB Gain Limit on Amateur Amplifiers

The FCC has put on public notice and invited comments on a Petition for Rule Making (RM-11767), filed on behalf of an amateur amplifier distributor, which seeks to revise the Amateur Service rules regarding maximum permissible amplifier gain. Expert Linears America LLC of Magnolia, Texas, which distributes linears manufactured by SPE in Italy, wants the FCC to eliminate the 15 dB gain limitation on amateur amplifiers that's spelled out in §97.317(a)(2). Expert asserts that there should be no gain limitation at all on amplifiers sold or used in the Amateur Service.



"There is no technical or regulatory reason [that] an amplifier capable of being driven to full legal output by even a fraction of a watt should not be available to Amateur Radio operators in the United States," Expert said in its Petition.

Expert maintains that the 15 dB gain limitation is an unneeded holdover from the days when amplifiers were less efficient and the FCC was attempting to rein in the use of Amateur Service amplifiers by Citizens Band operators. While the FCC proposed in its 2004 Notice of Proposed Rulemaking and Order in WT Docket 04-140 to delete the requirement that amplifiers be designed to use a minimum of 50 W of drive power and did so, it did not further discuss the 15 dB amplification limit in the subsequent Report and Order in the docket.

"Although no party advocated retention of the 15 dB limit, it remains in place today," Expert pointed out in its filing. "In the intervening years, advancements in Amateur Radio transmitter technology have led to the availability of highly compact, sophisticated, low-power transmitters that require more than 15 dB of amplification to achieve maximum legal power output. Therefore, Expert seeks to remove the 15 dB limit from §97.317 so that Amateur Radio manufacturers and distributors will not be forced to needlessly cripple their amplifiers for sale in the United States." ARRL.com 04/27/16



1. **Attendance drawing:** The lucky winner for the April meeting was Brian-KI6ERR. Brian was not present to collect the \$ 30.00 kitty available, sorry om. The May kitty will be \$ 35.00 for the member present for the drawing in good standing. Those are the rules A. must be a member in good standing and B. you must be present.

2. **Membership 2016:** I am so happy to report that our membership for 2016 has really been fantastic. We are losing 6 members from last year. New members have made up the difference and so I am happy to report that our membership for 2016 is at 82. We still have 3 members (included) not paid but promised to do so. This is an fantastic record. So many club are reporting a drop in membership. While it is hard to say what the cause might be for that I really think that what we are lucky enough with all our hard work in making this the best club. It is as I always will tell you the hard work, participation and support of our membership which makes this the best. It is your club or everyone's club because without you we could not exist. Thank you one and all for your continued support and participation.

3. **Membership Roster:** Yes I know I am a month behind. However, I was waiting on several members to pay their dues so we could make the membership roster up to date as much as possible. Everyone is like family and you mean a whole lot to us . So thank you and please let me know if you would like the membership roster which will be made available at our next 2 meetings.

4. **Picnic:** As I mentioned on last night's Thursday night net if Saturday May 21 is not for the actual Armed Forces parade support we plan to have a picnic. It will once again be at De Portola park. Details need to be worked out since we've have no details on the TAFP yet. So please mark your calendar for hopefully soon to be released announcement as to what we will be doing that weekend. For the picnic we do also plan to test or dry run the use of some vertical antenna's for FD. This of course goes along with the hotdog and other goodies. I am betting on us getting the Arc Over out early so you will see this notice of course. As most of you know we've worked the parade for many years. The set up in the down town Torrance area is been our annual community

event. So we will miss it sorely . O they will have a parade but it might not involve us this time. Picnic is good to of course and especially the dry run of antenna's for FD. So please stay tuned for more info.

5. **New members:** We are very happy to welcome 3 new members to the South Bay ARC for 2016. 1. Paul-K6EH, Extra is from Downey and marked the folowing interests: HF,VHF and UHF, CW, Antenna/propagation and the club repeater. He has equipment to go along with that. 2. Donald-KK6OSN, Tech is also from Downey. He is a new ham and is still trying to feel his way around. 3. Joanne-KM6BWB, Tech and is from Culver City. Joanne shows an interest in packet, DCS,/RACES/ARES and Public Relations. She will participate in Public events and Social activities. We are so happy to welcome them in our group. Among the 3 we have just about everything covered. Please welcome them the next time you meet them. Thank you Joanne, Paul and Donald for joining the South Bay ARC. As a side note, Joanne is the teacher of the class that launched the Balloon from the Goodyear Blimp site with the help from Jerry -0KJ6JJ and Tom-KI6RC. I am sure you remember the balloon that went up to 96,405 feet and came back down in the Pacific and was picked up by a boat as directed by the GPS coordinates location of the Coast in San Diego. Joanne is going to show us some fantastic pictures they obtained from the payload as it went up and came down again from 2 or 3 different camera's on board. APRS played a big part in this as it showed altitude and location as it went up and down. We are so happy to have all 3 new members join us.

6. **ARRL Membership renewal:** Please remember that the dues have changed for the membership with ARRL. The basic membership is now 49 dollars per year. The reason I am telling this in that if you allow your club to place your renewal order, or even better, your new membership we gain a commission from each new or renewal. Remember we have to send a club check to make this happen. So please if you wish to join the ARRL or need to renew your membership please see Joe with all your paperwork and a check made payable to the SBARC so we can get the commission. Thank you so much.

Joe, WB6MYD
Secretary



ARMED FORCES DAY
21 - MAY - 2016

CALENDAR

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

Club Meeting - 3rd Thursday of the month
May 19, 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,
May 28, 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

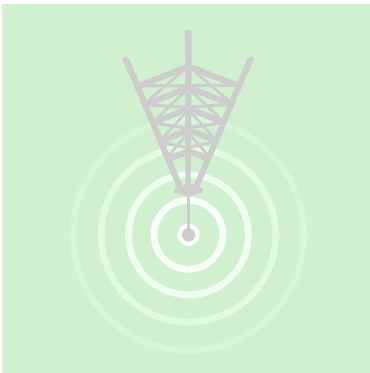
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Joe - WB6MYD
Swap Meet Chair	Tom-KI6RC & Chuck-K6CSH
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Webmaster	Scott - N6LEM
Editor	Glenda - KF6QFE Glenda.simpson@hotmail.com
Proofreader	Alan - KG6ZPL

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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W6SBA@arrl.net
Website: <http://www.w6sba.org>

TO:



Address Correction Requested

A COMMUNITY SERVICE ORGANIZATION

W6SBA

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