



July 2012

ARCOver

*A Community
Service
Organization
Dedicated to
Amateur Radio
Since 1970*

E-mail:
W6SBA@arrl.net

Website:
[http://www.
w6sba.org](http://www.w6sba.org)

President –
Alan – KG6ZPL



President's Message

Hi everyone:

The year is officially half over and we are in Summer. This means more opportunities for outdoor activities and we will be taking part by having another picnic in August. We are applying to a park for August 14. The picnic will replace our usual lunch event. We are also attempting to find another park that has better RF characteristics for our operating session. Along those lines, the Council is continuing to discuss the possibility of additional operating sessions, perhaps in a VHF/UHF contest, to give members additional opportunities to hone their operating skills.

Field Day has come and gone for another year. I felt that ours was a big success although we weren't able to play as big a part in the Torrance Centennial celebration as we had hoped. While Joe, WB6MYD, is covering the activities in more detail, I would like to personally thank everyone who took part in this year's event. It is only through your hard work that we are able to put on such an enjoyable party. For those who were not able to take part this year, do try to do it next year. It's a lot of fun.

Paul, KK6BY, and I are still working on the antenna project. The slowness of the project is mostly my fault as I just can't seem to find time to build the prototype antennas. I will try to get at it this month. We have narrowed the search down to two antennas, a ground plane and a vertical dipole. I've got the parts for the ground plane antenna and need to go to the hardware store to get parts for the dipole. Paul is also still working on field trip possibilities for the Fall. If his radio oriented thoughts don't pan out, our backup is a trip to the Griffith Observatory which is easy to arrange on relatively short notice.

We have been approached by a local Boy Scout Troop for assistance with the "Jamboree on the Air" or JOTA which can best be described as a Field Day for Scouts. We would like to support this worthwhile activity but we currently don't know either the degree of participation that the troop would like from us or the amount of effort that we are willing to provide. Mike, KI6LJM, is working with the scouts to determine the former. If we do this, we will be asking the members to lend a hand. The activity runs for a 24 hour period but we have no plans for that much work. Three or four hours would probably be it but this is speculation on my part so we need to wait to see what the scouts require.

Remember, as always, that articles for the newsletter are always needed; Joe, WB6MYD, can always use help at the TRW Swap Meet, and our other activities are always easier for everyone if more hands help with the work. Finally, it's not too early to start thinking about elections for club offices in November. The current Council has served for two years now. While it is a bit of work, it is also very rewarding to do. The club does not run itself. A lot of effort goes on behind the scenes to provide speakers and put on our meetings and to plan our various club activities. So, if you think that you would be interested in helping to run your club, let one of the current officers know. We usually end up resorting to arm twisting to get candidates. It would be nice if we got a few more volunteers this year! 73s to all,

Alan

JULY Presentation:

By Alan Parks

"An Introduction to Antenna Theory"

Hoping to pique our further own quest for knowledge, Alan will cover:

- ♦ aspects of antenna design
- ♦ nomenclature
- ♦ impedances,
- ♦ radiation patterns,
- ♦ antenna types,
- ♦ SWR,
- ♦ and More...

It will be largely non-technical in nature, but we're told that we may need to use a bit of math.

Alan has been working with electronics as a hobby since he was 10 and along the way has picked up a fair bit of electronics knowledge. Although now retired, he was a professional scientist/engineer/educator which helped him understand the theory behind our hobby. He has been interested in amateur radio since he was 12 and, after a number of false starts, finally got his license around 2005. He now holds an amateur extra class license.

July Calendar

June 19, 2012, Saturday: Regular Club Meeting Torrance Memorial, West Tower.

July 28, 2012, Saturday: Swap Meet, Northrop Parking Lot

Meet for lunch following the swap meet, Dennys, Aviation and Artisa, Redondo Beach

August 11, 2012, Saturday: Club Picnic... More info as the date gets closer - keep an eye on your email.



Preliminary Info !

W6T 2A LAX, K6T Gota

Total Contacts: 473

CW 204

Digital 14

Phone 157

(VHF/UHF 49)

Gota 49

Top 3 Operators, W6T
contacts

WA6OWM 214

W6JII/WG6V 88

KQ6Z 26

(KI6HZN 13)

(WB6MYD 10)

(KI6LJM/KI6UPL 10)

CLUB OFFICERS FOR 2012:

President, Alan Parks - KG6ZPL
aparks@raytheon.com - 310-558-8718

Vice-President, Ray Grace - WA6OWM
wa6owm@arrl.net - 310-370-1913

Secretary/Treasurer, Joe Lanphen - WB6MYD
jlanphen@ca.rr.com or w6sba@arrl.net - 310-328-0817

Past President, Alex Marko - KD6LPA
kd6lpa@socal.rr.com - 310-530-6614

W6TRW Swap Meet Space Manager -
Joe Lanphen - WB6MYD
jlanphen@ca.rr.com or w6sba@arrl.net - 310-328-0817

Activities Council Member
James Murakami, KI6UPL
katsu442@yahoo.com - 310-480-7794

Events Council Member
Paul Avery, KK6BY
pravery@pacbell.net - 310-676-0212

Membership Council Member
Mike Kosidlak, KI6LJM
KI6LJM@gmail.com - 424-241-0442

'Extreme' solar flare erupts, looks like storm is headed to Earth

By Amy Hubbard

July 12, 2012, 2:20 p.m.

A heavy-duty solar flare erupted on the surface of the sun midmorning Thursday, and it appeared from early data that a solar storm from the X-class eruption was headed toward Earth.

"It looks to be headed in the Earth's direction," Alex Young of Maryland's Goddard Space Flight Center told the Los Angeles Times in an interview Thursday. But, he noted, that's based on a view from just one of two spacecraft monitoring the sun.

The so-called coronal mass ejection -- a violently released bubble of gas and magnetic fields -- could veer off. Scientists are waiting on more data from spacecraft within the next few hours to pinpoint the speed and severity of the storm.

PHOTOS: Solar flare close-ups

Mike Hapgood, a space weather scientist at the Rutherford Appleton Laboratory near Oxford, England, explained coronal mass ejections in a recent interview with The Times:

"Coronal mass ejections are caused when the magnetic field in the sun's atmosphere gets disrupted and then the plasma, the sun's hot ionized gas, erupts and send charged particles into space. Think of it like a hurricane -- is it headed toward us or not headed toward us? If we're lucky, it misses us."

The size of the flare is a "reasonable" indicator of the strength and speed of a coronal mass ejection, Young said. Thursday's flare was categorized at X1.4. Among the categories of flares, according to Young, are C, M and X -- which, in general, translate to common, moderate and extreme.

The ejection, traveling at speeds of 1 million to 5 million miles per hour, takes about one to three days to reach Earth, said Young, associate director for science for the heliophysics division at Goddard Space Flight Center in Greenbelt, Md.

Solar eruptions like these pose a danger to Earth's technology, as well as any spacecraft and astronauts that lie in their way.

The blast of electromagnetic radiation can cause radio blackouts, Young said, and, in more extreme cases disrupt power.

More and stronger space weather events are likely headed our way in coming days, the scientist said. The sun is nearing a peak in the solar activity cycle.

"Solar activity has a cycle, minimum to maximum to minimum, and it's getting close to the peak of solar maximum," he said, which will occur sometime in 2013 or 2014. It's a cycle of about 11 years.

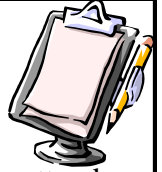
Hapgood described some of the consequences of a massive solar storm. With power disrupted, the pumps that bring water into homes and pump the sewage away could stall; transportation could grind to a halt without the ability to pump fuel into vehicles; without power, ATMs and credit card machines would freeze up.

Young noted, however, that the likelihood of space weather causing catastrophic problems on Earth was very slim. Solar flares erupt regularly, spewing matter in all directions, usually missing Earth altogether. And power companies and other entities affected by space weather do prepare for possible problems.

"Space weather can have very strong effects on our technology," he said, but it's like living in an earthquake zone or near where hurricanes occur. "You prepare for them, but most people don't spend their day worrying about it."

NOTES FROM THE SECRETARY - JOE-WB6MYD

e-mail - jlanphen@ca.rr.com 310-328-0817



1. Attendance drawing: Glendee-KJ6EBS name was drawn on our June meeting. She was not in attendance and therefore the kitty for the July meeting will be 30 dollars. Please remember, members in good standing and are present will be eligible to collect.

2. Field Day 2012 results: points = contacts			Score = incl bonus points		
Year	Points	Score	Year	Points	Score
2006	822	1644	2007	803	1606
2008	1068	2136	2009	657	1314
2010	770	1540	2011	719	1438
2012	691	1382			

We missed several bonus point categories, still, not bad. Congratulations guys.

3. Meeting location: The July 19, 2012 meeting will be in the West Tower, 2nd Floor, Room "A" as usual. Thank you: Yes we need to recognize some for their special contributions. The crew for setting up on Friday; John-AE6LK, Joe-WB6MYD, Tom-KI6RC, Bob-KQ6WQ, Nancy-NJ7S, Bill-N6ES, James-KJ6RER, Ray-WA6OWM, Alex-KD6LPA, James-KI6UPL, Paul-KK6BY, Darryl-W6JII, Ra-WG6V, Alan-KG6ZPL. This is what gave us an early start, thank you one and all. Saturday morning saw us start bright and early with the table and chair crew; Ken, Matthew, Bennie, Dean, Tom. Our antenna team got the antenna's up and connected; Joe, Ray, Alex, Tom, James, Brian, Bill, Bruce, Bob, Nancy, Alan, Bob, Ray, Hal, John, Darryl, James, Mike, Paul, Bill. Sorry for leaving anyone out. Thanks every one for your hard work to make this possible for us to start at 1100 hrs.. Thank you to our food people; James and Linda for our lunch with Joe picking up the sandwiches. For dinner we had Rob having prepared the best tri tip West of the Mississippi with beans and potato salad by Jane Grace. Salad and pie by James and something else. Breakfast o my goodness, our chef's Blair, Lori and EdKN6JN Hinz to serve us the best breakfast. Both Joe and Ray picked up the midnight snacks and other drinks and goodies complimenting this great feast. Thank you once again for all your hard work making this possible for our success for the 2012 Torrance Centennial Field Day. The break down crew on Sunday, so many of you contributing to the safe and well executed taking down and packing it away again of all that was used during the FD period (too many to name) including the storing of all the equipment at Joe's I'd say thank you for a job well done. We need to especially also thank Kostek for allowing us the use of his camping trailer as the operating station. Both Bob-WA6KZF and Ray-WG6V for the use of their generators and Toyota for allowing us the use of their laptops. Thank you one and all. One thing we must realize and I am sure you will agree, several people have gone way beyond the call of duty. Alex-KD6LPA setting up the computer network and the logging program took untold hours to set up due to firewall issues and so many problems having to overcome to make this work flawlessly as it did. Thank you Alex. The other person is none other but Ray-WA6OWM. His motivation in trying to make it all come together for the benefit and success of the SBARC FD 2012 is incredible. He even got his wife included so thank you Jane and Ray. The next person is Joe-WB6MYD. He labored to check the beams and all the other antenna's, loaded all the equipment, delivered and returned all the club equipment. Made all the arrangements with TMMC, permission, security and the arrangements to get the tables and chairs set aside. Paper work with which no job is ever done seems to be getting to be more and more. Arranging for a number of members to do special things. Trying to get our new members involved and setting up the publicity or welcome station and storing the supplies and equipment for the next time so to thank you Joe. O the FD tshirt project which turned out as I promised to be special this year, you got to admit 'they are nice'. This with the help from Chuck-KN6H made this an very affordable nice thing for our 2012 Centennial Field Day 2012.

Message from Joe - Continued from page 6

4. Apologies: If I have not mentioned you by name or group I apologize sincerely . I try so hard to keep up with all that's going on including making you put your name on the sign in logs which is a job by itself. Let me know if I left you out and I will get it for next month's Arc Over.
5. Guest Operators: I wish to thank our guest operators for being with us. The Kramer family especially put in long hours operating at the GOTA station as well as at the VHF station. Ron-KD6EDV, Scott-KI6HZN and Andrew-KI6HZM made up the Father and sons team with XYL Jill as support. Thank you for being with us. Please join us at our next meeting. The Oishi family as well worked endlessly, Todd-KF6SRW, William-KG6YGI, David-KF6QIA and XYL Kathleen-KG6WWB we thank you. You're always welcome returning every year as you do, good job. One guest Jerry-KJ6YKM, just got his license at our June VE session was most helpful in helping us set up. I certainly hope to see him at our meetings and other activities. Thank you Jerry. Steven-KJ6VWM I thought I had seen you among us but can't find you having signed in. Sorry if I missed you Steven , thanks for helping any way. So many other guest signed in, we thank you for visiting us. I hope we showed you some of the things you had expected and maybe did not. We are only a part of a much larger group doing our best to be prepared for an event which we hope will never happen.

Executive Order Poses No Threat to the Amateur Radio Service

07/11/2012

On July 6, 2012, the White House released an [Executive Order](#) that addresses National Security and Emergency Preparedness (NS/EP) communications functions of the federal government. Contrary to some concerns raised in a few Amateur Radio circles, the *Order* does not appear to contain any threat to the Amateur Service or its ability to continue support communications during times of emergency or disaster. It also poses no threat to amateur spectrum.

"The purpose of the new entity, which would be created by this *Order* within the Executive Branch, appears to be to plan for future NS/EP communications and to insure survivability, hardness and interoperability, as well as to develop a long-term strategic plan for NS/EP communications," said ARRL Regulatory Information Manager Dan Henderson, N1ND. "Based on the Amateur Service's ongoing, positive working relationship with officials at the Department of Homeland Security's Office of Emergency Communications, it is hard to envision that any new management plan would not include Amateur Radio. Nothing in this *Order* directly affects Amateur Radio's daily operations."

CLUB SERVICES:

License upgrades and / or new license testing
 VE Sessions are held the 2nd Saturday of every even month
 Need to sell something at the Swap Meet?
 ARRL Membership renewals or new registration
 Club Name Badge / Jackets

Club Operation
 Need something posted on the web site, or newsletter?
 Ideas for Club Speakers, Field Day Planning
 Membership, Health & Welfare
 Upcoming Club Events
 Club Activities

CONTACT:

Joe, WB6MYD
 Joe, WB6MYD
 Joe, WB6MYD
 Joe, WB6MYD
 Joe, WB6MYD

Alan, KG6ZPL
 Alex, KD6LPA
 Ray, WA6OWM
 Mike, KI6LJM
 Paul, KK6BY
 James, KI6UPL

POSITION:

Secretary / Treasurer
 Secretary / Treasurer
 Secretary / Treasurer
 Secretary / Treasurer
 Secretary / Treasurer

President
 Webmaster
 Vice President
 Editor / Member
 Council Member
 Council Member

If you have questions about your ham equipment, please feel free to ask any of our club members for help. Or, if you'd like, please talk to any council member, and we'll do our best to help you.

CALENDAR

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

Club Meeting - 3rd Thursday of the month
July 19th, 2012 - 7:30 p.m.
Torrance Memorial Med Center
West Tower Room 'A'

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,
July 28, 2012, 7-11 a.m.

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

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

CLUB SERVICES

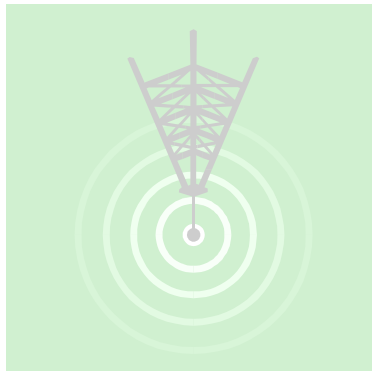
Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Mike - KI6LJM
Swap Meet Chair	Joe - WB6MYD
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Webmaster	Alex - KD6LPA
Editor	Mike - KI6LJM
Proofreader	Alex - KD6LPA

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@arrrl.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

