



ARCOVER

South Bay Amateur Radio Club



WB6SBA
E-mail: W6SBA@arrl.net

A Community Service Organization
Dedicated to Amateur Radio Since 1970

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

President - Alex - KD6LPA

May 2008

**Torrance Memorial Medical Center
ROOM "B"**

WEST TOWER 2ND FLOOR

3330 W. Lomita Blvd., Torrance, CA 90505

On Medical Center Drive

with parking in the structure behind the WEST TOWER.

THURSDAY, MAY 15, 2008

FIELD DAY PLANNING

COME AND HELP WITH THE PLANS FOR FIELD DAY.

SIGN UP FOR YOUR SPECIAL ASSIGNMENT.

Our April meeting was

"Get to Know Your Local Antenna Night"

We had 4 speakers. Chuck Lobb KN6H gave a presentation on varied aluminum can antennas he has built. He showed off the construction of various size ground planes with different size cans. His license plate collection was put to good use for a 220 mhz license plate antenna. The antenna was broad banded and used from his home to hit many 220 mhz repeaters at low power levels. Chuck also had a soda can dipole, 2 meter j-pole and good handouts on antenna construction. Ray Grace WA6OWM gave a presentation on the construction of a coaxial dipole antenna. This antenna also is broad banded. Dave - KE6OJN, showed off his home built disc cone antenna. It was well put together. The big feature of the disc cone is the multi-band nature of the antenna.

John Crocker AC6FB gave a presentation of antenna components and a 40 meter coaxial dipole. He had the guts of a balun for display. He showed off insulators, antenna wire, feed points and answered question from the room. Ed Hinz KN6JN showed off an assortment of baluns, antenna wire, grounding strap and demonstrated and discussed the construction of W2IK's ladder line special for 40 meters.

This program was a hit. Our 4 club members were able to present interesting and fact filled antenna demonstrations. Thanks for presenting. I hope each of the club members in attendance went home and attempted to build a new antenna.

See you all next month.

Ed-KN6JN, Vice President



Bob - WA6KZF :license Plate antennas

2008 NOTES FROM THE SECRETARY JOE-WB6MYD
e-mail address - jlanphen@ca.rr.com- 310-328-0817



- **NEW MEMBER** - John - KF6QFB General Class joined us as a new member of the SBARC family. Thank you John for joining us. please be sure to let us know if we can help you, or if you have any suggestions.
- **Thanks to** - Chuck - KN6H, Dave - KE6OJN, John - AC6FB, Ray - WA6OWM, and Ed - KN6JN for their fantastic presentation on home brew antennas. This certainly was an eye opener for a lot of us to see how one can make something as basic as an old beer can work as an antenna. Other examples: were the coax antenna, and many more. So Thank you guys for a job well done.
- **B2V** - The SBARC Team with Joe - WB6MYD as Team Leader worked another successful B2V event on April 19-20, 2008. It was cold this time around, due to a wind factor which darn near froze us to our chair and or other positions. No problems were reported and all traffic was handled, all other obligations for the job also handled properly so very successful all around. We stayed at the Whiskey Pete resort with a nice relaxing Sunday with what is becoming our annual dinner at Buffalo Bill's Sunday night. It was a great weekend and all our cold memories were soon forgotten. Back on Monday morning for a safe drive and off to work again. Thanks team for a job well done.
- **Torrance Armed Forces Parade** - The parade will be held on Saturday, May 17th. We will have time to talk about it at the meeting. If you have not signed up, please do so with Joe - WB6MYD. The set up for the parade is in the Old Town Area and on Torrance Blvd. It is made up of 3 divisions and what is called a prologue. The prologue is made up of dignitaries and officials and is set up on Torrance Blvd. just East of Crenshaw by the Torrance PD. We set up the Divisions down town in proper order for their trip down the parade route. We need at least 8 to 10 members to assist with this. You can help at any time whether you have a 220 HT or not so please feel free to join us. We meet at 10:30 on Torrance Blvd 2 blocks East of Crenshaw (on Beach Street.) Please talk to Joe.
- **Field Day** - Ed - KN6JN our Field Day Chairman is full of idea's and really needs your help and participation to make this the best FD ever. Please contact him and let him know how you wish to help.
- **Survey** - I've made up one entire page with data from your information provided on the surveys and renewal form. These are just numbers to the questions we asked, suggestions you've give and information including an update on your information. The outcome will certainly be considered at our Council meeting . We hope your ideas will come out for action.



A PERK
for working the B2V.

Sun sitting on the mountain

Bill and Nancy setting up and Joy unloading supplies

Photo by
Ray - WA6OWM

SOUTH BAY ARC OFFICERS 2007

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

Vice- President, Ed Hinz - KN6JN
kn6jn@aol.com - 310-325-7944

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

Council Member #1,

Council Member #2, John Wilson - AE6LK
ae6lk@socal.rr.com - 310-370-1654

Past-President, Richard Whited - KG6JKJ
rbwhited@yahoo.com - 310-809-7151

Dick - W1MII - ARRL SW Div. Assistant Director
vzfimii@beachnet.com - 310-541-6422

Editor - Mary - KE6BBK - jcrochaw@pacbell.net
310-675-0732

W6TRW Swap Meet Space Manager -



MEMBERSHIP DRAWING

The winner of the members drawing was Hal - AF6CG Since Hall was at the meeting the kitty at the May meeting will be \$15.00. Attendance drawing is only for members in good standing and you must be present at the meeting.

WILL YOU BE THERE?

Study now and prepare to take your test

VE SESSION – June 14, 2008 at 0900
Torrance Memorial Medical Center
Room “A” 2nd floor of the West Tower
parking behind the West Tower

Sponsored by the
South Bay Amateur Radio Club

TO All MEMBERS THAT WORKED B 2 V

I had a nice QSO with Hector - KE6VRL on my way home this evening. No, it wasn't on 440 as my brand new Yaesu *dual-bander* is in intensive care at Vertex Standard in Cyprus. Visiting hours until 5 weekdays if you're so inclined. Surgery is scheduled sometime in the next week or two. Turns out Hector works for LASD Temple Station. We were comparing notes on B2V, mostly in reference to the temperature at 0100. He used to run back in the old days, but now goes as part of the support network. He was pleased with their 6th place finish. He asked that I let our group know how much they appreciate the help we provide. This reminded me of the conversation Allen, John and I had during the race when we were told, **“thanks for being there”** from a few team members in the chase vehicles

Anyway, please accept this 3rd party thanks from LA County Sheriffs.

73' Charlie - AC6ZX

AMATEUR RADIO COURSE FCC “TECHNICIAN” COURSE” (entree level)

The course is 2 sessions

Saturday, June 14, 2008 - 2:00-5:30 p.m.

Saturday, June 21, 2008 - 10:00-2:00 p.m.

FCC VE SESSION

Date to be announced

Hesse Park
29301 Hawthorne Blvd
Rancho Palos Verdes

- no pre-registration
- no fee for the course
- \$14.00 for the VE Test

Optional Materials

- Study book with FCC questions \$15
- Copy of my Power Point Charts \$10

Students (thru grade 12) who take this course and receive their license will be reimbursed up to \$40 by the Palos Verdes Amateur Radio Club.

For more information contact
Walt - K1DFO, at walt.ordway@yahoo.com.



THURSDAY NIGHT NET.
GET OUT YOUR 220 HT
OR ON YOUR HOME BASE
CHECK IN AT 1900 HOURS.

South Bay Amateur Radio Club Net

224.38 MHz · PL - 192.8 Hz Offset 1.6 MHz

CONTINUED FROM PAGE #4

or the call outs by the Early warning team. This I've been told is the most accurate way for the officials to do the timing for each team member. Their fancy timing device being used leaves a whole lot to be desired apparently. Alex-KD6LPA, the first time participant, made a good point in keeping track and making sure everyone was given credit with a proper timing recording. Both Ken-K6HRN and myself made this very thing manageable since giving all our other members breaks and time to warm up etc. So once again, thank you for all your support and hard work. I think we have a darn good team going here. Thanks Joe, WB6MYD

W6TRW SWAP MEET

Saturday, May 31, 2008

7:00 a.m. through 11:30 a.m.

2008 Swap Meet Chairperson needed
Please consider and volunteer

Harlen - KC6YBJ handled the Swap Meet with some help from John - AC6FB. The day was sunny and a nice turn out lots of venders. Rob - KB6KMX, John - AE6LK and Dick - W6MII . Drop by and check out I-18 on May 31, the next Swap Meet Day.

A QUICK RECAP OF ACTIVITIES AT STAGE 13

- Check in to Race Central at 1700 local time
- Our first runner, #174 arrived at our location at 20:24:45 local time
- Our last runner, #48 arrived at 03:17:52 local time
- Stage 13 Cleared Net Control at 03:20 local time
- Local South Bay Cities observed in order
 Gardena
 Manhattan Beach
 El Segundo
 Long Beach
 Torrance

(Since Teams had different starting times, we need the official results to be published.)

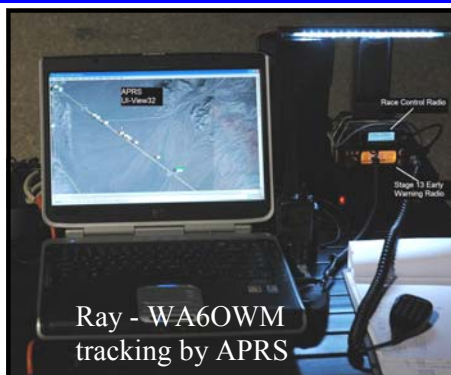
Finish Times for some of our local departments. Mixed + minimum of 5 females on the team.

Finish Time	Time
# 1 LASD MC jail	12:48
#24 Long Beach #1	15:15
#47 Culver City	16:01
#55 Torrance PD	16:11
#79 LASD Carson	16:36
#116 El Segundo PD	17:09
#123 LASD Lennox	17:16
#143 Long Beach #2	17:42 mixed
#156 Inglewood	17:55
#174 Manhattan Beach	18:27
#201 Gardena PD	18:59

Hello every one.

Thank you so much for all your hard work and dedication to make this the safest and best possible B2V run from at least Stage 13.

I was appointed Team Leader and my admiration for a job well done by all of you made this a lot easier. Yes, I know it was cold, windy and down right miserable at times but we did have a good time at State line after that, our annual dinner at Buffalo Bill's is becoming legendary and furthermore down right enjoyable, what more could you want? I think we can all be proud of our accomplishment which each and every one of us contributed to this success. John-AC6FB, Charlie-AC6ZX and Alan-KG6ZPL at our One Mile Early Warning position made it very clear and concise as to what runner was coming by. Ray-WA6OWM and Bill-N6ES relayed the information to the Stage Coordinator which in turn got the runner ready. Of course, Ray with his APRS display going made all of this so attractive to those watching to see the progress being made by their team mates that this must go down in all the stations, precincts and law enforcement facilities as being the Miracle man. Mary-KE6BBK and Nancy-NJ6S kept all the times included the times *(continued on page 3)*



Joe - WB6MYD manning the timing mat
 Coming in going out and handing off
 Alex - KD6:LPA on clock



Ken - Carr - K6HRN , Mary - KE6BBK
 midnight shift - recording



Automatic Chip \ Reader/ Timer



Bill, Nancy, Alan, Alex, Ray, Joe, Mary, John

COURT FINDS FCC VIOLATED ADMINISTRATIVE PROCEDURE ACT IN BPL DECISION

The US Court of Appeals for the District of Columbia Circuit today released its decision <<http://pacer.cadc.uscourts.gov/common/opinions/200804/06-1343-1112979.pdf>> on the ARRL's Petition for Review of the FCC's Orders adopting rules governing broadband over power line (BPL) systems. The Court agreed with the ARRL on two major points and remanded the rules to the Commission. Writing for the three-judge panel of Circuit Judges Rogers, Tatel and Kavanaugh, Judge Rogers summarized: "The Commission failed to satisfy the notice and comment requirements of the Administrative Procedure Act (APA) by redacting studies on which it relied in promulgating the rule and failed to provide a reasoned explanation for its choice of the extrapolation factor for measuring Access BPL emissions." The Court agreed with the ARRL that the FCC had failed to comply with the APA by not fully disclosing for public comment the staff studies on which it relied. The Court also agreed with the ARRL that the Commission erred in not providing a reasoned justification for its choice of an extrapolation factor of 40 dB per decade for Access BPL systems and in offering "no reasoned explanation for its dismissal of empirical data that was submitted at its invitation." The Court was not persuaded by the ARRL's arguments on two other points, on which it found that the Commission had acted within its discretion

The conclusion that the FCC violated the APA hinges on case law. "It would appear to be a fairly obvious proposition that studies upon which an agency relies in promulgating a rule must be made available during the rulemaking in order to afford interested persons meaningful notice and an opportunity for comment," the Court said, adding that "there is no APA precedent allowing an agency to cherry-pick a study on which it has chosen to rely in part."

The Court continued, "The

League has met its burden to demonstrate prejudice by showing that it 'has something useful to say' regarding the unredacted studies [citation omitted] that may allow it to 'mount a credible challenge' if given the opportunity to comment." Information withheld by the Commission included material under the headings "New Information Arguing for Caution on HF BPL" and "BPL Spectrum Tradeoffs." The Court concluded that "no precedent sanctions such a 'hide and seek' application of the APA's notice and comment requirements."

With regard to the extrapolation factor, the Court ordered: "On remand, the Commission shall either provide a reasoned justification for retaining an extrapolation factor of 40 dB per decade for Access BPL systems sufficient to indicate that it has grappled with the 2005 studies, or adopt another factor and provide a reasoned explanation for it." The studies in question were conducted by the Office of Communications, the FCC's counterpart in the United Kingdom, and were submitted by the ARRL, along with the League's own analysis showing that an extrapolation factor closer to 20 dB per decade was more appropriate, as part of the record in its petition for reconsideration of the FCC's BPL Order. The Court said that the FCC "summarily dismissed" this data in a manner that "cannot substitute for a reasoned explanation." The Court also noted that the record in the FCC proceeding included a study by the National Telecommunications and Information Administration that "itself casts doubt on the Commission's decision."

The briefs for the ARRL were prepared by a team of attorneys at Wilmer Hale, a firm with extensive appellate experience, with assistance from ARRL General Counsel Christopher D. Imlay, W3KD. Oral argument for the ARRL was conducted by Jonathan J. Frankel of Wilmer Hale. Oral argument was heard on October

23, 2007; the Court's decision was Released more than six months later.

After reading the decision, General Counsel Imlay observed, "The decision of the Court of Appeals, though long in coming, was well worth the wait. It is obvious that the FCC was overzealous in its advocacy of BPL, and that resulted in a rather blatant cover-up of the technical facts surrounding its interference potential. Both BPL and Amateur Radio would be better off had the FCC dealt with the interference potential in an honest and forthright manner at the outset. Now there is an opportunity to finally establish some rules that will allow BPL to proceed, if it can in configurations that don't expose licensed radio ARRL Chief Executive Officer David Sumner, K1ZZ, added: "We are gratified that the Court decided to hold the FCC's feet to the fire on such a technical issue as the 40 dB per decade extrapolation factor. It is also gratifying to read the Court's strong support for the principles underlying the Administrative Procedure Act. Now that the Commission has been ordered to do what it should have done in the first place, we look forward to participating in the proceedings on remand, and to helping to craft rules that will provide licensed radio services with the interference protection they are entitled to under law."

ARRL President Joel Harrison, W5ZN, concluded: "I am very pleased that the Court saw through the FCC's smoke screen and its withholding of valid engineering data that may contradict their position that the interference potential of BPL to Amateur Radio and public safety communications is minimal. The remand back to the FCC regarding their use of an inappropriate extrapolation factor validates the technical competence of Amateur Radio operators and especially of the ARRL Lab under the direction of Ed Hare, W1RFI. We are grateful for the work of our legal team and especially for the unflinching support of the ARRL membership as we fought the odds in pursuing this appeal."

ARRL Letter Vol 27, # 17 Friday, May 02

W2IK'S LADDER-LINE BACK-PACK SPECIAL

BY BOB HEJI - W2IK

Ever wish you had a very simple, light weight ham radio antenna that could be stuffed in your backpack and does not need a tuner? here is a simple design that I built many years ago and found it to be very useful while camping or for emergency communications. It's great if you don't have the ability to take along a stick antenna. When you are camping, you have to make compromises, The same is true about camping with ham radio usually you'll be operating on 20 meters in the day and 40 meters at night. That being said, I devised a very simple antenna in a single form that will cover both bands without the need for a tuner.

To build this antenna you will need:

50 feet of 450-600 OHM Ladder Line (not twin lead)

2 Three inch pieces of 1/2 inch PVC Tubing

One center connector (Dipole Type wire to SO-239 (connector))

Unroll the coil of Ladder-Line and cut the Ladder-Line in half so you have two lengths exactly 25 feet long. Each length becomes a side of your Dipole System. At the very end of each wire, strip off the insulation exposing about 4 inches of bare wire. On one side of each Ladder-Line twist the bare wires together and solder one end of each Ladder-Line to the wires on the center connector.

Center Connector



At the other end of each of the lengths of Ladder-Line, take one piece of 1/2 inch PVC Tube and slide the wires through 1/4 inch hole drilled near one end of the PVC tube. Pull the PVC around so you can connect the wires to each other and solder them together. Drill another 1/4 inch hole on the other end of the PVC tube so you can hang the Dipole System up using nylon cord.



PVC Insulator

Now, just one more thing to do, in order to make this a 40 and 20 antenna. You need to measure 16.4 feet from the middle of the Center Connector and on one wire of each side of the Ladder-Line you will clip out a 1/4 inch section of wire. If possible, clip the section out where there is a separating piece of the Ladder-line webbing so the antenna will be physically more stable.

This will leave you with two antennas in one system. One antenna's total Dipole length is 32.8 feet (16.4 feet) on each Dipole leg or a 20 meter Dipole, and the other is the 40 meter Dipole as the wire in the Ladder-Line you didn't clip will now run the entire length of each side, continue around the end insulators and continue in a hairpin run around to the other (lower) side of the Ladder-Line on that same side making a length of about 66.8 feet total or 33.4 feet on each leg (less than the math of just adding and subtracting because you lost length when you soldered the wires that are in the end connectors) this is fine for a 40 meter Dipole.

There is just a little interaction with the two antennas so close together. If you wish to be really fussy, you may want to do the wire clip acting and check the tuning using an antenna analyzer. If this is the case, do not clip out a 1/4 inch piece yet, just clip the wire, measure the SWR with the antenna hung and make any corrections (do this by resoldering the cut you made and make another cut depending upon the antenna's resonant frequency.) Although this antenna is not as efficient on 40 meters as a Dipole strung out instead of folded, I have used this antenna on many outing with great results and it is more convenient to put up or store. You can easily coil it up and store in your backpack. It can be put up as a Dipole, sloper or inverted "V". Make sure you have non-conducting cord to hang it up. And by the way, since the 40 meter section loops around, all you need is 52 feet between trees to hang this antenna as a Dipole!!!



Coiled for storage or backpack



Clip 1/4 inch notch in Ladder-Line at 16.4 feet

CALENDAR

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

Club Meeting - 3rd Thursday of the month
May 15, 2008 7:00 p.m.
Torrance Memorial Medical Center
West Tower 2nd Floor Room "B"

Palos Verdes School District

EMERGENCY NET
1st Tuesday of the month
09:30 Hours on the W6SBA repeater

TRW Swap Meet - Saturday, May 31, 2008
7:00 a.m. - 11:00 a.m.

VE Session - June 14, 2008 at 0900
WEST TOWER ROOM "A"
2ND FLOOR

Field Day June 28 and 29
Antenna set up Friday June 27

CLUB SERVICES

VHF Awards Manager	Cliff - K6LH
Swap Meet Chair	
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Web Master	Alex - KD6LPA
Editor	Mary - KE6BBK
Proofreader	Ruth Kain

South Bay Amateur Radio Club Net
224.38 MHz · PL - 192.8 Hz Offset 1.6 MHz
7:00 p.m. Thursday Evenings

NEWSLETTER SUBMISSION

South Bay Amateur Radio Club
P.O. Box 536
Torrance, CA 90508
W6SBA@arrl.net
Website: <http://www.w6sba.org>



South Bay Amateur Radio Club
Post Office Box 536
Torrance, CA 90508-0536

W6SBA

A COMMUNITY SERVICE ORGANIZATION

Address Correction Requested

TO:

Survey Results April 2008										
ARC Interest			ARC Activities			Member Equipment			Member Information	
No.		No.	No.		No.	<i>Station Equipment</i>		No.		
1	HF	37	26	W6SBA Field Day	32	41	HF	34	70	
2	VHF	41	27	Contest, HF/VHF	11	42	6 Mtr	19	71	Name 56
3	UHF	30	28	Public Events	25	43	2 Mtr	39	72	Call 54
4	Microwave	6	29	Repeater upkeep	7	44	220 MHz	35	73	Extra 27
5	Packet	6	30	10 meter net	10	45	440 MHz	29	74	Gen. 17
6	Oscar	3	31	Antenna Parties	16	46	MW &UP	2	75	Tech 11
7	RTTY	5	32	Technical Discussion	15	47	Other	1	76	No License 2
8	ATV	5	33	a. participant	4		<i>Mobile Equipment</i>		77	OK to publish 51
9	SSTV	7	34	b. chair person	1	48	HF	13	78	NO to publish 4
10	CW	18	35	Club meetings	34	49	VHF	28	79	ARRL Member 37
11	Amtor	3	36	Social Activities	20	50	UHF	21	80	NO ARRL Member 17
12	DX self/contest	14	37	220 Repeater Net	16	51	Microwave	1	81	Life ARRL Member 2
13	Computers	23	38	Net Control	6	52	Other	2	82	Month Born 55
14	DCS/RACES/ARES	13	39	VHF net	3		<i>Hand held Equip.</i>		83	E-mail address 51
15	QRP	10	40	VE Volunteer Session	16	53	6 Mtr	4	84	Yes Website notice 55
16	Antenna/Propagation	27				54	2 Mtr	36	85	No Website notice 3
17	Elmering (mentor)	9				55	220 MHz	33	86	Paid 60
18	Public Relations	4				56	440 MHz	30	87	
19	Club Repeater	8				57	Other	2	88	
20	Repeater Autopatch	6					<i>Modes</i>			
21	Swap meet booster	8				58	AM/SSB	23		
22	Digital	8				59	CW	13		
23	APRS	6				60	Digital	5		
24	Other (Future)	8				61	SSTV/Fast Scan	4		
						62	Packet	6		
						63	APRS	4		
				Digital modes incl BPSK,QPSK,RTTY, Etc						
							<i>Suggestions</i>			
						64		5		
Notes: This was an pretty interesting SURVEY. 60 paid members, 39 ARRL Members, 65% ARRL Membership										
32 members interested in our Field Day Activities. 25 of you are interested in Public Events.										
37 members interested in HF activity and 41 into VHF. 34 in Club meetings (we usually have approx that many members at our meetings)										
20 members are into Social Activities; we do certainly have a lot of VHF Hand Held Equipment										
You can see the numbers as well as I can and so if you have any suggestions please let us know. We Will study this further with the										
powers to be.										
Thank you so much for your participation. Joe-WB6MYD										