

# The Short Circuit

<http://www.avarc.av.org>



The official publication of the Antelope Valley Amateur Radio Club

July 2004

## The President's Corner

**Rich Stocking N7OP**

Thanks to everyone that helped make Field Day a great success! The logs have been retrieved from the disks, the paper logs entered into the computer and everything has been checked and cross-checked for errors, dupes, broken calls, etc., etc.

A great effort was completed by all the stations. This year's 4A category gave us more operating positions but required more coordination between station captains. The solar/QRP station performed quite well on all bands but remarkably well on 40 and 75 SSB. I know some swear that life is too short for QRP but that little ICOM-703 seemed to do quite a job. The VHF/UHF bands were quite good with contacts on all bands from 3.4 GHZ, 1.2 GHZ, 432, 222, 2M and 6M. 194 Contacts with 28 sections on 6 Meters! The GOTA station accomplished 120 QSO's giving us the bonus points as well as the QSO points. SSB contributed a solid 749 contacts (sorry one was a busted call, thought for sure we had 750) and CW had 502. All in all, this was great operating by everyone.

The enhanced information tables and the Vintage station thoroughly captured the Mayors attention. His prolonged visit on Saturday was mirrored by the ARRL Southwestern Division site visit on Sunday. Art Goddard, W6XD and his entourage were quite impressed by the displays and took loads of photos. Hopefully we can get some of them for the web and Short Circuit articles. The bonus points for all the efforts coupled with the great operating will undoubtedly ensure that this years score beats last year's. As last year's FD chairman I feel proud that Karen got to coordinate a better score. Full report on Field Day scores will be given at the next meeting.

The food by Merle, Debbie, Tony and

*(Continued on page 2)*



**UNITED  
WE STAND**

## Meeting Notice

**Thursday, July 22**, is the next meeting of the AVARC at the Emergency Operations Center (EOC) at Lancaster City Hall, 44933 N. Fern Ave. in Lancaster. Talk-in is available on 146.73 MHz. if you need directions. This month's meeting will feature **Bill Hopper AB6CF**, who will give a presentation on the development of television.



**AB6CF at the mic during  
Winter VHF Party**

## From The Veep

**Charles Turner K6ARU**

I would like to thank Eric KA6IHT (HRO) and Jeff AA6JR (AOR) for a great presentation last month. I also thank Karen KD5PLF and for those who helped with the Field Day preparation, set up, and cooking the meals. Thanks to Tony KF6BZQ for the battery, solar panel, operating and Gary WA6WFC operating the Icom IC-703 with QRP power. We made over 100 contacts and the farthest was Canada, with 5 watts solar battery power and a wire dipole up 40 feet. WOW! What wonders you can do with low power.

This month we will have Bill AB6CF talking about television development. He was first licensed in 1939 until after WWII, and then re-licensed in 1988. He worked at and owned a T.V and electronics shops for many years. He will talk about how television affected ham radio.

Next month we will have Bill N6PY talking about vintage radios, like the history of the BC-610, and how this radio help served this country and make it possible what it is today.

**73,**



Lancaster Mayor Frank Roberts K6EDF joins Bill Feldmann N6PY for a friendly eyeball QSO at AVARC Field Day 2004

## President's Corner...

*(Continued from page 1)*

Adrienne was fantastic and helped keep our spirits up and the mikes and keys hot! Everyone behind the scenes that helped with setup and teardown ensured another safe Field Day. The weather even cooperated with pleasant breezes and mild temperatures up until the final tear down.

We have had some good feedback from visitors, particularly the Scouts that came through on Saturday. Their continued interest will be cultivated further with an event in October – Jamboree on the Air (JOTA). I am looking for a few volunteers to help with that activity.

This last weekend continued the active pace of ham radio operating with a running of the Tree Line Rally. This event that has so often been cancelled due to fire danger was successfully completed due to the help of so many hams. This was my first Tree Line and as I sat under the huge oak trees and enjoyed the shade I was struck by how dry the under brush and weeds had become. Everyone please be safe out there in the woods this summer.

The fire season is upon us and as I write this article the steady rain of ash from the Hughes Lake fire is covering our pool and yard with a lovely shade of grey. Hopefully this year will not be any worse than last year but the prospect does not look great. The knowledge that hams in DCS and other organizations are ready to assist as required is a great credit to our hobby.

Looking forward to seeing everyone at the next meeting,

73,

## From the Secretary's Desk

### AVARC MEMBERSHIP MEETING

Date: June 24, 2004  
Location: EOC, City Hall, 44933 N. Fern Ave., Lancaster, CA 93534

The President called the meeting to order at 7:30 p.m. with 39 members and 6 non-members present, constituting a quorum of at least 10% of the total eligible voting membership. After the Pledge of Allegiance, it was moved and seconded that the Treasurer's Report be accepted as presented in the Short Circuit. Motion carried.

It was moved and seconded that the Secretary's Minutes of the last General Membership meeting and the last Board of Director's meeting be accepted as printed in the Short Circuit (newsletter). Motion carried.

1. Rich, N7OP, reported that the insurance rider needed for Field Day (FD) was resolved. The tower is repaired and will be available for FD.
2. Karen, KD5PLF, FD Chairman, says setup will start Friday (tomorrow) at 2pm (we have the Park from 6am). The tower will be there at 2pm. FD starts at 11am Saturday. AV Press and Lancaster Mayor Roberts will be there approx. 1pm Saturday. The AV Press printed an article re FD Sunday before last. Boy Scouts are planning to attend. We still need folding tables and shade awning structures. Food is arranged. Bill, N6PY, will set up a vintage radio station. T-Shirts and FD pins are still available.
3. John, K6MLU, reports that Gary,

WA6TWT, is doing well.

4. Vern, KØLVS, announced Anchors Away is the program for Sept.; get ready for it.

Program: Jeff Reinhardt, AA6JR, Chairman, ARRL Public Relations Committee, presented a program on new ham equipment, digital operations and AOR (Authority On Radio) products followed by Eric Christensen's, KA6IHT, HRO Manager, talk on Ham Radio Outlet (HRO) products.

The next General Membership meeting will be held on July 22, 2004 at this same location and time. The next meeting of the Board of Directors will be held on June 26, 2004 at Field Day, Lancaster, CA. The meeting adjourned at 9pm.

**Submitted by**  
**Claude A. Brown, K7TEN**  
**Secretary, AVARC, 2004**

### AVARC Board Meeting

Date: June 26, 2004  
Location: Lancaster City Park, Field Day, Lancaster, CA  
Members Present: Rich Stocking, N7OP, President; Chuck Turner, K6ARU, Vice President; Claude Brown, K7TEN, Secretary; Gary Mork, WA6WFC, Master at Arms; Harold Bragg, K6HAB, Board Member; Elizabeth Alpert, KG6JDH, Board Member; Keith Hoyt, K6GXO, Trustee  
Members Absent: Dave Alpert, KX6Z, Treasurer; Vern Eubanks,

*(Continued on page 3)*

WORLDWIDE DISTRIBUTION

# HAM RADIO OUTLET

**Janet Margelli**  
Manager  
KL7MF

933 N. Euclid Street  
Anaheim, CA 92801  
714-533-7373, 1-800-854-6046  
Fax 714-533-9485

ANAHEIM, CA • ATLANTA, GA • BURBANK, CA • DENVER, CO  
NEW CASTLE, DE • OAKLAND, CA • PHOENIX, AZ • PORTLAND, OR  
SALEM, NH • SAN DIEGO, CA • SUNNYVALE, CA • WOODBRIDGE, VA

## Turner Radio

"Your High Performance Radio Repair"

ICOM • KENWOOD • YAESU SPECIALIST

**CHARLES TURNER**  
K6ARU  
Extra Class License  
FCC License #PG-GB-002420

**(661) 945-9097**  
E-Mail: [k6aru@cwo.com](mailto:k6aru@cwo.com)  
42541 6th Street East, Suite #8  
Lancaster, CA 93535-5200

## From the Secretary's Desk

(Continued from page 2)

KØLVs, Past President

Others Present: Bill, N6PY; Pat, N6RM; Paul, N6ZII

The President opened the meeting at 6:25 p.m. with at least five Board Members being present to constitute a quorum.

1. Rich, N7OP, reported that the trailer registration with DMV had been completed.

2. Chuck, K6ARU, said the program for the July meeting will be presented by William Hopper, AB6CF, and titled Development of Television Communications.

The programs for the following months will be: August; "Voice of Victory" by Bill, N6PY; Sept.; Anchors Away plus Chuck, K6ARU, will take technical questions re repairs; Oct.or Nov.; Art Goddard, W6XD, ARRL Dir. of SW Division.

3. The Board directed that any member who does not want their home telephone number listed in the monthly newsletter can ask that it be deleted and it will be. Please contact Adrienne, WA6YEO, to arrange.

4. Bill, N6PY, says Paula, N6OQQ, is looking for hams for the Treeline and Gorman road rallies.

5. Keith, K6GXO, suggested we get the officer identification badges added to the

current officer's Club badges. We will talk to Bruce, N6SFV, about arranging this.

6. Harold, K6HAB, says Adrienne, WA6YEO, needs help with the newsletter. He and Delores will assist this month but volunteers are always welcome. Also, AR Newline downloading and presentation at the Wed. night net needs volunteers as backup to get it ready. If you can help, contact Harold.

7. Harold, K6HAB, volunteered to make labels to put on the last issue of the newsletter advising the member of this fact if membership is not renewed.

8. Elizabeth, KG6JDH, reported that young people who came by the stations at Field Day were especially interested in amateur TV but we need to attract their interest in other forms of communication as well.

The next meeting of the Board of Directors will be held on August 5, 2004 at Claude's QTH. The meeting adjourned at 7:05pm.

Submitted by  
**Claude A. Brown, K7TEN**  
 Secretary, AVARC, 2004



KG6JDH and KD5PLE ham it up at AVARC Field Day 2004

## Field Day Follow Up

Thanks to everyone who helped make this year's Field Day a HUGE success! The station captains were fantastic and the food was fabulous! We entertained quite a few visitors including Lancaster's own Mayor. All who visited were thoroughly enlightened and entertained by the wealth of information presented by Elizabeth and Katie. The Information, Emergency Preparedness and Vintage Radio Equipment Booths were huge crowd pleasers! There was a nice picture of Katie KD5PLE and Justin KD5PEV in Sunday's Valley Press. We even beat last year's score! We operated as a Class 4A and our total score was - 5,788!!

**Karen KD5PLF**



## TriviaTronics

By Vern Eubanks KØLVs

*Editor's note: This is a new feature which will appear regularly in the Short Circuit. It will feature interesting historical facts about electricity and electronics. Readers are invited to submit items of interest for this column.*

### 100th anniversary of the vacuum tube.

Just as December 2003 was the centennial of powered flight, this month is the centennial of the vacuum tube. John Ambrose Fleming invented the first vacuum tube (or the Fleming Valve) in 1904. In 1887, Thomas Edison had noted that when he added a plate in his electric lightbulb, a current

flowed between the filament (cathode) and the plate (anode), but not the other way (plate to filament). This became known as the Edison Effect; however, no use was made of it until Fleming built a diode. The diode was the first truly useful radio detector. Two years later Lee DeForest added a grid, making a triode, which provided amplification. He called it the Audion, and it was extremely useful in long distance telephone service, and in radio communications.



DE KØLVs



## Dots and Dashes

The September meeting is AVARC's annual swap night. Get ready now by looking around your shack and workshop for things others might want (remember to dig out the manuals too!). Tell your ham and non-ham friends to circle 23 September for this most popular event.

### FOR SALE

Astron RS20A Power Supply & a Diamond 2 Meter/440 Model 7200 Mag Mount Antenna both for \$75.00  
 Jim N7WHJ [jimbo5246@yahoo.com](mailto:jimbo5246@yahoo.com)



### Antelope Valley Amateur Radio Club 2004 Officers



<b>President</b>	Rich Stocking	N7OP	949-1039
<b>Vice President</b>	Chuck Turner	K6ARU	945-9097
<b>Secretary</b>	Claude Brown	K7TEN	948-2672
<b>Treasurer</b>	Dave Alpert	KX6Z	267-0338
<b>Master-At-Arms</b>	Gary Mork	WA6WFC	948-8317
<b>Board Member</b>	Elizabeth Alpert	KG6JDH	267-0338
<b>Board Member</b>	Harold Bragg	K6HAB	256-7465
<b>Board Member</b>	Bruce Mowers	N6SFV	942-5986
<b>Trustee</b>	Keith Hoyt	K6GXO	533-4025
<b>Ex Officio</b>	Vern Eubanks	KØLVS	822-8772

The Antelope Valley Amateur Radio Club K6OX  
 Post Office Box 1011  
 Lancaster, CA 93584-1011

Place  
 Postage  
 Here



**To ARS:**

Amateur Radio is a National Resource

FIRST CLASS