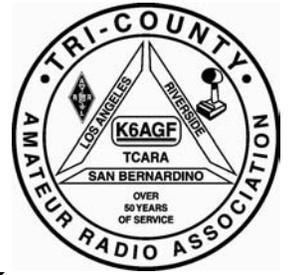




**TRI-COUNTY Amateur Radio Association**  
**P. O. BOX 75 CLAREMONT, CALIFORNIA 91711**



**FIELD DAY PLANING**

**YEA! YEA! GO TRI COUNTY**

Spring is sprung! Get out and enjoy ham radio! Be a good Elmer! You can start by coming to our next club meeting. Then make plans to Participate in Field Day.

**Field Day for Tri-County** will be held at Frank G. Bonelli Regional Park this year. Make plans to participate. You can help by being in on all the planning. Think about what you can do to enhance the fun of Field Day. We need radios, Antennas, but most importantly emergency type power. If you know of batteries and generators that are available for the weekend of Field Day please bring that information to the meeting Monday night Jun 9.

**TCARA NET FREQ CHANGE**

Because of interference on the DBARS machine from the San Diego users, we will be moving our Sunday night net to the Mt. Baldy machine, **147.210 PL 156.7** (the old Bomb Squad machine).

Effective! **Jun 15, 2003**. The Net times will remain the same.

*Chuck Phillips - KQ6NX*

**MEMBERSHIP REGISTRATION**

Everyone's membership expires June 30. Support your club and get your annual dues in by June 30. We encourage you to make it easy on the treasurer by renewing this month.

Come to the meeting and find out about upcoming club programs and what is happening in Ham Radio.

73, Your Tri-County Board  
 Alvin Banman, W6EKZ, reporting

**SUNDAY CLUB 2M NET**

The TCARA Sunday net is held at **7:00 PM** on the DBARS repeater: **FREQ: 146.640, minus 600, PL 167.9**. The latest ARRL News Line broadcast, and Club Info will be included.

**==> MEETING PLACE <==**

Brackett Airport Administration Building  
**1615 McKinley Ave., La Verne, CA**

Exit I-10 at Fairplex, go North to the Fairgrounds, then turn left and follow the road along the South side of the airport to the Administration Building. The meeting place is in the Pilot's Lounge.

**Meeting: Monday, Jun 09, 2003 7:30 PM,**

TCARA is an Amateur Radio Service Organization. Anyone interested is invited to attend. We meet on the second Monday of every month.

**HEALTH AND WELFARE**

Health and welfare information goes to Bob Embrey, KD6DKV, AT **626-339-3402**.

**If you have ideas for a program, let one of the officers now about it.**

**QRM NEWS DEADLINE**

**July issue:** by Jun 23, send news/articles to Ken Berglof 15720 Country club Dr., Chino Hills, CA 91709. His email address (Preferred) is: [kg6omz@arrl.net](mailto:kg6omz@arrl.net). Early submissions are always appreciated.

**E-MAIL UPDATE**

Since the club we well be asking opinions and giving out information via e-mail (and also the QRM), it is important to have your current e-mail address on file. Could you please send your updated e-mail address to:

[berglofk@dslextreme.com](mailto:berglofk@dslextreme.com)

Thanks for your help! Ken Berglof (KG6OMZ)

**PVCH HAM OPERATORS**

Pomona Valley Community Hospital (PVCH) is looking for a operator for their station. Contact **Jack Blair @ 909 865-9500**.

**TCARA MEMBERSHIP**

Membership enables you to receive membership prizes, vote, Place FREE "FOR SALE" ads in the QRM, receive the QRM, and run for an office. Dues: Regular - \$15/year. Family - \$20/year. All renewals are due by June 30th\.

**TCARA INTERNET HOME PAGE**

TCARA has its home page on the net the URL is: <http://www.qsl.net/k6agf>

## **Don't Forget: "The Best in the West" Convention, HAMCON 2003**

Will be held this September 5-7 in Long Beach, CA. Learn about all facets of Amateur Radio; check out the latest equipment; operate W1AW/6; exchange views with ARRL President, Jim Haynie, W5JBP; find out how Hollywood is promoting ham radio; win prizes! More info at: <http://www.hamcon.org>

So sign up now for the Early Bird Registration for Hamcon 2003, the Southwest Division ARRL Convention. The Early Bird price is just \$10. You get the convention pin now and you save \$5 over the price at the door. See Alvin, W6EKZ, at the meeting and get your pin. **Remember!** Too check it out at: <HTTP://www.hamcon.org> to get all the information on Hamcon 2003.

## **CASH DRAWING**

Joe Perez KF6AFJ won \$40 at the May meeting so \$10 will be added to the June meeting.

TCARA holds a monthly cash drawing at our meetings. The June drawing will be for \$10. \$10 will be added to the pot each month. All members' names will be put in the hat for the drawing. The member whose name is drawn must be present to win. If the member is not present the prize will be rolled over and added to the next month's pot. So plan to attend Monday, June 09, at 7:30 P. M. All past members are urged to renew their membership. Visitors are welcome and invited to become members before the drawing. All paid up member names will be in the hat and if present will have a chance to win some of the \$120 that will be placed in the pot over the next 12 months.

## **BREAKFAST WITH IRLP USERS**

We enjoyed another breakfast, this time at Plaza Guadalajara restaurant. It went so well! "We plan another breakfast in JUNE." The location is still to be decided.

## **LOCAL SWAP MEETS**

Hours for Swapmeets are usually 7 AM to 11 AM.

Second Saturday of each month: **Fontana Swap** Meet run by the Inland Empire ARC at A. B. Miller High School on Highland and Oleander in Fontana, 7 AM to 11:30AM. Directions: take I-10 East to I-15 North, get off at Highland/Cherry Ave exit, and go East on Highland. A. B. Miller HS is about 2.5 miles down the road on the South side of the street. Talk-in is 145.480, down 600kHz, PL=77.0 Note: best place to park is on the East side of the school.

Third Saturday of each month: **CMRA Hamfest** (the old DeVry Swapmeet) now held at **Cal Poly Pomona**, 3801 West Temple Avenue, Pomona (right across the freeway from the old DeVry), in Parking Lots F8, F9, and F10. Admission and parking are free. Take the I-10 and exit Kellogg Drive. For recorded information call: **(714) 537-4230**. Ask for Hugh or Greg at the gate.

Last Saturday of each month. The **TRW Swapmeet** is located in Manhattan Beach, on the Northwest corner of Marine Ave. and Aviation Blvd. South of LAX, West of the 405 FWY. Take the 105 FWY. West to Aviation Blvd., South on Aviation 2.5 miles to Marine. Talk-in 145.32, down 600 kHz, PL=2A (114.8).

## **AMATEUR LICENSE TESTING**

Last Saturday of each month, except December. TCARA ARRL TESTING SESSION: **Next session will be Saturday, June 28, 2003 at the Club's meeting place at Brackett Airport in La Verne**). Technician through Extra. Call **Carl Sanders, WJ6N, (909) 820-3442**, for reservations (if you have Caller ID blocking enabled, press \*82 before dialing the number to unblock your number for the one call). Leave the class of the test you want to take, your name, address, and telephone number. Bring your current license and a copy, any CSCEs and copies, and a picture ID.

## **SOME REPEATERS & EMERGENCY GROUPS IN THE AREA. COUNTY**

Los Angeles County Disaster Communications Services:  
145.300 MHz (-) PL 100 Hz (Mt Disappointment)  
224.300Mhz (-)PL 100 Hz ( " " )

### Local Groups

**Azusa** - ACS/RACES net Mon. 7:00 PM 144.970 MHz Johnstone PK.

**Glendora** - ACS/RACES net Tues. 7:00 PM 144.970 MHz Johnstone PK.

**La Verne** - "LASERS" net Tues. 7:30 PM 144.970 MHz Johnstone PK. Contact: Jack Swank W6FAM or Jay Jones WB9FPM for info.

**Claremont** "CARDS" net Mon. 7:15 PM 147.210(+) PL156.7 Hz Sunset Ridge.

**Johnstone PK Emergency & Red Cross** 146.820Mhz (-) PL 100 Hz.

**Western San Bernardino County** - SATERN (Salvation Army) net Sun. 8:PM 146.985 MHz (-) 146.2 Hz Keller PK.

**Rancho Cucamonga** ACS/RACES net Tues. 7:00 PM  
147.300 MHz PL123.

**Contact:** John Garcia KF6ZQN

If anyone has anything to add to this list, please contact  
Clint Stone KQ6NJ at: [cstone1@juno.com](mailto:cstone1@juno.com)

## Emergency Communications

S.A.T.E.R.N (Salvation Army Team Emergency Radio Network) of Riverside/San Bernardino Co's is looking for Amateur Radio Operators in Ontario, Rancho Cucamonga, Corona and the surrounding areas. Contact Tony Stephen at (909) 628 2843 or e-mail [KE6JZF@surfside.net](mailto:KE6JZF@surfside.net) for info. Check in on the

SATERN Net Sundays at 8:00 PM on 146.985 (-) PL 146.2 (Keller PK). Clint KQ6NJ

## DXer's, most recent updates:

Both Mt Climie beacons are on the air.  
**28.229MHz/ 52.275MHz, altitude 2,800ft.** Antenna radiation efficiency is low and will be improved when weather allows over the next month.

73

### ZL2TWS

115A Epuni St. Lower HUTT 6009, New Zealand -  
PHN: (064)(4) 569-9932 - Mobile: (064)(21) 569-993  
E-mail: [zl2tws@clear.net.nz](mailto:zl2tws@clear.net.nz),  
Packet: [ZL2TWS@ZL2WA.#60.NZL.OC](mailto:ZL2TWS@ZL2WA.#60.NZL.OC)

## SOLAR UPDATE

Heliophile Carl Luetzelschwab, K9LA, Fort Wayne, Indiana, substitutes this week for Tad Cook, K7RA: During the reporting period--Friday, May 16, through Thursday, May 22--solar activity was low. Geomagnetic field activity was generally quiet to unsettled during the first half of the period, then increased to active to minor storm at the end of the period due to increased solar wind from coronal hole activity that reached Earth on May 21.

Solar activity is forecast to be low for the next three days. Geomagnetic field activity for the next three days is forecast to have roughly a 40-percent probability of being active, with slightly quieter conditions as we move into the weekend.

Sunspot numbers for May 15 through 21 were 97, 97, 81, 79, 75, 77 and 79, with a mean of 83.6. The 10.7-cm flux was 99.2, 102.6, 102.4, 109, 114.7, 117.1 and 119.3, with a mean of 109.2. Estimated planetary A indices were 23, 9, 9, 10, 12, 12 and 20, with a mean of 13.6.

## All HAM'S ARE Welcome to use IRLP NODE 7170 POMONA

Every Ham Operator is invited to experience the use of **IRLP NODE 7170, FREQ 144.440 simplex with a PL 100.0** "IRLP web sites can be found at the following URLs."

<http://www.irlp.net>

[http://www.irlp.g4eid.co.uk/status/all\\_reflectors.html](http://www.irlp.g4eid.co.uk/status/all_reflectors.html)

<http://www.google.com> Type in 'IRLP' for many sites.

## ARRL'S "LOGBOOK OF THE WORLD" ENTERS OPEN BETA- TESTING PHASE

The long-anticipated "Logbook of the World" (LoTW)--the ARRL's secure electronic contact-confirmation system--is being opened for beta testing. While a formal unveiling was set for the Hamvention DX Forum May 17, LoTW now is available to all who wish to participate in the beta testing program, expected to last 60 days.

At the heart of the Logbook of the World concept is a huge repository of log data provided by operators--from individual DXers and contesters to major DXpeditions--and maintained by ARRL. Logbook of the World Project Leader Wayne Mills, N7NG, says the system will benefit big and little guns alike by providing quick QSO credit for awards offered by ARRL--and, it's hoped, those offered by other organizations as well--without having to first collect and submit hard-copy QSL cards.

Visit the ARRL Logbook of the World Web site <<http://www.arrl.org/lotw>> to learn more, download the necessary software and take part in the beta testing effort. For the purposes of the beta test, validated users are asked to submit log data for contacts made on or after January 1, 1998. Once a certificate is issued, beta testers may e-mail their log data to the LoTW database [lotw-test@arrl.org](mailto:lotw-test@arrl.org).

LoTW will accept authenticated data--either in Cabrillo or ADIF format--directly from computerized logs via the Internet. Software Development Manager Jon Bloom, KE3Z, noted that because the software still is under development, any data uploaded during the beta-testing period will be erased before LoTW "goes live." Beta participants will have to obtain new certification even if they've participated in earlier LoTW testing. The beta certification will be good only for the beta-test period.

Bloom emphasized that every call sign would need a separate certificate.

Bloom and Mills encouraged beta-test DXers and

contesters to upload their log files--the bigger the better--to test the robustness of the software as well as to populate the database and create a more realistic environment. LoTW will find and match contacts between stations based on the log data submitted by users, and the results will appear on the Logbook of the World Web page.

"We're not replacing the whole paper QSL scheme with Logbook of the World," said Mills, who is also ARRL's Membership Services manager. "This is really a system to offer credits for awards."

## **FCC DECLINES TO GRANT LF ALLOCATION, GIVES CHANNELIZED ACCESS TO 5-MHZ**

The FCC bowed to power company concerns and declined to grant amateurs an expected sliver-band allocation at 136 kHz "at this time." But, in a compromise with government users, the Commission gave amateurs secondary access to five discrete 2.8-kHz-wide channels in the vicinity of 5 MHz instead of the 150-kHz band ARRL had requested. In its Notice of Proposed Rule Making a year ago, the FCC appeared inclined to go along with both ARRL requests.

The FCC did agree in its Report and Order (ET Docket 02-98) to elevate the Amateur Service--but not the Amateur-Satellite Service--to primary status at 2400 to 2402 MHz. The changes to Part 97 go into effect 30 days after publication in The Federal Register, which has not yet occurred.

"We are disappointed that the FCC could not see its way clear to providing even a narrow LF allocation to the amateur service, given earlier encouraging signs and the general trend in other countries," ARRL Chief Executive Officer David Sumner, K1ZZ, said of the FCC's decision.

The FCC, however, found itself more persuaded by arguments from electrical utilities and other commenters that amateur operation at 136 kHz might interfere with power line communications (PLC) used by electrical utilities to control the power grid.

The FCC said a new amateur LF allocation is not justified "when balanced against the greater public interest of an interference-free power grid." The FCC said amateurs wishing to experiment with LF could apply for experimental licenses or operate under existing Part 15 rules. "We will not jeopardize the reliability of electrical service to the public," the FCC concluded.

The granting of just five spot frequencies--5332, 5348, 5368, 5373, and 5405 kHz--at 60 meters was less of a surprise given opposition expressed last fall by the National Telecommunications and Information

Administration (NTIA). The NTIA had cited a possible need for the requested band by federal government users and proposed the five specific frequencies for amateur use on a secondary basis. The FCC has granted operation on USB (2K8J3E emission) only, with a maximum effective radiated power limit of 50 W relative to a 0 dB gain antenna--a half-wave dipole. The channels--each with a maximum permissible bandwidth of 2.8 kHz--will be available to General and higher class licensees.

"While the new amateur privileges at 5 MHz are not as flexible as we had hoped, we recognize that much has changed since the ARRL petition for rulemaking was submitted to the FCC in the summer of 2001," Sumner said. "Federal agencies with homeland security responsibilities have renewed interest in HF radiocommunication." The restriction to USB is aimed at maintaining interoperability with federal government users, who conceivably could require immediate access to one of the amateur secondary channels.

Sumner said the ARRL was pleased to see 2400-2402 MHz upgraded to primary. "The upgrade of the 2400-2402 MHz amateur allocation to primary provides a seamless primary allocation from 2390 to 2417 MHz, in addition to the secondary allocations of 2300-2310 and 2417-2450 MHz," he said. Amateurs already have been experimenting with high-speed multimedia operation in the band using IEEE 802.11b protocols.

The Report and Order is available on the FCC's Web site, [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-03-105A1.doc](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-105A1.doc).

## **California ham antenna bill clears Senate committee:**

California's pending Amateur Radio antenna bill, AB 1228, this week got a thumbs up from the California Senate Local Government Committee. The panel voted 7-0 in favor of moving the legislation to the Senate floor. The measure already has passed the California Assembly. ARRL staff member and antenna expert Dean Straw, N6BV, credited excellent preparation by the bill's sponsor, Assemblyman Bob Dutton, and his staff. "Several of the senators made special mention about how they appreciated the efforts of radio amateurs over the years, and how valuable the Amateur Radio Service was, particularly in these dangerous times," said Straw, who testified on behalf of the measure. The effort now will shift to Senate passage and ensuring that Gov Gray Davis signs the legislation. Davis vetoed an earlier measure in 2000 citing its cost to taxpayers for conducting required studies and preparing a model ordinance for localities. Straw says AB 1228 mirrors the wording of PRB-1 and does not carry any additional costs to the taxpayers this time around.