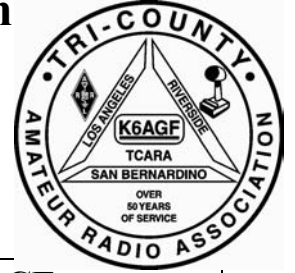




TRI-COUNTY AMATEUR RADIO Association

Los Angeles – Riverside – San Bernardino Counties
P.O. BOX 75 CLAREMONT, CALIFORNIA 91711



NEW DIGITAL MODEMS

In February, Brian Levy, W2BRI presenting a review on "AOR new Digital Modems."

BRIAN E LEVY, W2BRI, will be our guest speaker for February. He will be talking about Digital Voice: the next new mode. Brian has put together a review of the AOR Digital Voice Modem. This sounds like a very interesting program. Who knows, Brian may talk a little bit about Magnetic Loop Antennas for HF.

Brian Levy's biography:

I have several small transmitting loops that are custom and home built. Check out his web site at: <http://www.standpipe.com/w2bri>

Loops are sort of my passion at the moment. In the picture above is my 12 Ft x 12 Ft loop for 80 and 160M. In the background off to the side is my 3.5 Ft x 3.5 Ft 40 Meter Loop. You can check out my Loop site linked above.

Other areas of interest are 2M weak signal, I have several beams for 10-20 (force 12 -- have I mentioned I'm a big fan of Force 12 antennas). Also have 2M, and 440 beams they are directive systems antennas. Main love in radio is a good long ragchew. Hats off to my buddies in LA and NYC. 73, Brian w2bri

TO ALL TCARA MEMBERS

We wish to hear from each member what their favorite project of activity would be for the club.

Alvin Banman, W6EKZ - President

TCARA - holds a monthly cash drawing

at our meetings. \$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, the cash drawing will be \$20.

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: PLACE

Thursday, February 12, 2004 at 7:30 P.M., TCARA is an Amateur Radio Service Organization. Anyone interested is invited to attend. We meet on the second Thursday of every month.

TCARA OFFICERS

President ----- Alvin Banman, **w6ekz**
Vice President ----- John Garcia, **kf6zqn**
Past President ----- Chuck Phillips, **kq6nx**
Secretary ----- Brad Rachielles, **kc6nv**
Treasurer ----- Jay Jones, **wb9fpm**
Program Chairman -- Gabriel Provencio, **kg6hmn**
Publicity ----- John Montanaro, **kd6iox**
Emergency Coordinator ----- Clint Stone, **kq6nj**
Contest Chairman ----- Dave Cioni, **kf6oqc**

TCARA INTERNET HOME PAGE

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

SUNDAY CLUB 2M NET

The TCARA Sunday net is held at 7 P.M. on the Baldy machine repeater. **FREQ: +147.210 MHz, PL 156.7** "Announcing the latest ARRL News Line, club members, club announcements, and general check-ins. "Visitor check-ins are always encouraged."

HEALTH AND WELFARE

Health and welfare information goes to Bob Embrey, KD6DKV, AT 626-339-3402. If you have any ideas for a program, let one of the officers now about it.

Membership

The Tri-County Amateur Radio Association is open to any persons licensed and unlicensed. Members participate in a number of activities in the Amateur Radio community. Activities include club meetings, projects, special events, and any ARRL events.

The dues are \$15 per individual and \$20 for family memberships. Paid members will receive a monthly QRM newsletter published to keep the members informed of general information and events taking place in the amateur radio community. Please send your dues to P.O. Box 75 Claremont, CA. 91711

QRM Deadline

The QRM Newsletter deadline for **March issues** should be turned in by **February 18**.

Send News/ articles to Ken Berglof at E-mail address (Preferred) <kg6omz@arrl.net> Early submissions are always appreciated.

Ken Berglof, kg6omz, QRM Editor

AMATEUR LICENSE TESTING

Last Saturday of each month, except December.

TCARA ARRL TESTING SESSION:

Next session will be Saturday, February 28, 2004 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 on the answering machine 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, and a \$12 FEE.

To All TCARA MEMBERS

We had a great meeting last January. We started off with the speaker of the evening not being able to make the meeting.

Next a group of women were set up in the pilot's lounge. So we met in the waiting room.

We had 26 in attendance. Each person introduced themselves and I had ask each one make a suggestion as to what they thought would be a good project or activity the club should do this coming year.

We took a break for coffee and donuts. I introduced myself to new member and found out that he was part of the Mars Rover project at JPL. I ask if he would like to share what he did in connection with the Mars Rover project.

He agreed and gave a short talk that everyone enjoyed.

I got together with the management at Brackett Field Today and the pilot's lounge will be available to Tri-County with no further complications.

Alvin Banman, W6EKZ
President

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 (" ")

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.

Local Groups:

La Verne –

La Verne Emergency Communications Team, K6LVN. Nets Tuesday at 7:30 PM, 144.970, Johnstone Peak. Meeting 3rd. Tuesday, 7:30 PM at La Verne Police Station.

For more information contact:

Jack Swank, W6FAM
Jay Jones, WB9FPM

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

Contact person:

Harvey Sprigg - N6HS or John Davis - WB6ASH

Johnstone PK Emergency & Red Cross

146.820Mhz (-) PL 100 Hz.

Rancho Cucamonga ACS/RACES Monday Net.

7:00 PM 147.300 MHz PL123.

Contact:

John Garcia KF6ZQN

Chino Hills - Chino Hills Auxiliary Radio Team
(CHART) meets on the third Thursday of each month at Chino Hills City Hall, 2001 Grand Ave. in the Community Service Department, at 7:00p.m.

Weekly nets are held **every Thursday, except the third Thursday of the month, at 7:00p.m.** CHART'S tactical frequency is **145.510 simplex.**

Visitors are welcome to check in. The web site is <http://www.chinohills.org/dept/emergency.shtml>

Any questions Contact: Chief Radio Officer:

Ed Rau, KE6DVG (909) 628-3287 or E-mail preferred at: chart@chinohills.net

Emergency Communications

S.A.T.E.R.N (Salvation Army Team Emergency Radio Network) of Riverside/San Bernardino Cnty'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 at: ke6jzf@surfside.net for info.

Check in on the SATERN Net Sundays at 8 P.M. on 146.985 PL 146.2 (Keller PK). The web site is <http://www.chinohills.org/dept/emergency.shtml>

If anyone has anything to add to the Emergency group list, please contact Clint Stone KQ6NJ at: cstone1@juno.com

Wanted: Microphone for Radio Shack HTX 242 2Mtr transceiver Email

Cstone1@juno.com

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 145.755 simplex with a PL 162.2. Contact Alvin Banman, W6EKZ for more info.

All Ham's are welcome to use ECHOLINK POMONA

All HAM'S are welcome to join use on EchoLink to experience the fantastic communication it has to offer on FREQ 145.785 FM Simplex.

There are nice people from all walks of life & Countries, already getting to know one another.

If you are interested & want to try it out, Don't hesitate, contact Gabriel Provencio KG6HMN on 145.785 FM simplex.

LOCAL SWAP MEETS

(Hrs for Swapmeets are usually 7 A.M. to 11 A.M.)

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).

First Sunday of each month - The Electronics Swap meet is located in Chino Hills, South side of 71 FWY right at Chino Hills High school, 16150 Pomona Rincon Rd. Hours 6:30a.m. thr 11:30a.m.

"If your traveling South East on HWY 71 turn off on Soquel Canyon Rd. exit, then turn right, and then turn left at the next stop light that is "Pomona

Rincon Road." Just one block more, then look to your right.

Need more information regarding the Swap Meet? Contact Alan Sanders at (909) 597-3893 or visit our web site at:

[HTTP://www.chhsmusic.com/electswap.html](http://www.chhsmusic.com/electswap.html)

AUCTION OF AO-40 SCULPTURE TO HELP FUND AMSAT ECHO SATELLITE LAUNCH

(Jan 15, 2004) -- The bidding begins January 21 on a handsome original sculpture of the AO-40 satellite as AMSAT-NA auctions off the work of art on eBay to help fund the AMSAT-OSCAR ECHO (AO-ECHO) satellite launch campaign. The auction will run for 10 days, and the winning bid will be recognized as a donation to the launch campaign. Full story at:



<http://www.arrl.org/news/stories/2004/01/15/5/?nc=1>

02 2004 meeting AMSAT-NA ECHO Satellite Moves Another Step Closer to Launch

(Jan 20, 2004) -- The AMSAT-OCSCAR ECHO satellite project edged a bit closer to being ready for launch. An initial integration effort recently determined that 90 percent of the hardware onboard the new satellite tested out successfully, AMSAT-NA reports. AO-ECHO is set to go into space this spring. During the next six weeks or so, the development team will resolve various outstanding issues, and final integration will be scheduled. Full story at:



<http://www.arrl.org/news/stories/2004/01/20/2/?nc=1>

ATTENTION ALL AMATEURS...

ARRL to Propose New Entry-Level License, Code-Free HF Access (Jan 19, 2004) – The ARRL will ask the FCC to create a new entry-level Amateur Radio license that would include HF

phone privileges without requiring a Morse code test. The League also will propose consolidating all current licensees into three classes, retaining the Element 1 Morse requirement--now 5 WPM--only for the highest class. The ARRL Board of Directors overwhelmingly approved the plan January 16 during its Annual Meeting in Windsor, Connecticut. The proposals--developed by the ARRL Executive Committee following a Board instruction last July--are in response to changes made in Article 25 of the international *Radio Regulations* at World Radiocommunication Conference 2003 (WRC-03). They would continue a process of streamlining the amateur licensing structure that the FCC began more than five years ago but left unfinished in the Amateur Service license restructuring *Report and Order* (WT 98-143) that went into effect April 15, 2000.

Full story at:
<http://www.arrl.org/news/stories/2004/01/19/1/?nc=1>



FCC CHAIRMAN TOUCHES ON BPL INTERFERENCE ISSUE IN PRESS CLUB SPEECH

(Jan 16, 2004) -- FCC Chairman Michael Powell has cited the Commission's promotion of Broadband over Power Line (BPL) technology as an example of a government policy that supports expansion of broadband technology to all Americans. At the same time, Powell said, the FCC needs to ensure BPL doesn't interfere with licensed radio services. In his January 14 speech before the National Press Club, Powell mentioned BPL among "new emerging platforms" for broadband delivery. Full story at:



<http://www.arrl.org/news/stories/2004/01/16/4/?nc=1>

SPECIAL EDITION ARRL SOUTHWESTERN DIVISION E COMMUNICATOR

This Special Edition covers highlights from the 2003 Annual Meeting of the ARRL Board of Directors.

Your ARRL Board of Directors met January 16-17, 2004, to take action on issues affecting ARRL and Amateur Radio. News stories giving more details are posted on ARRL's web site at:

<<http://www.arrl.org>>

ELMER PROGRAM APPROVED –

Recognizing that Elmering/Mentoring is fundamental to a robust Amateur Radio Service, the Board voted to establish an ARRL Mentor program. The program will involve ARRL Affiliated Clubs, individuals, web page interactive mentoring and special interest mentoring. Start-up funding will be provided by the Ethel B. Smith Fund. Special thanks to Division Members KF6DI and W9EC for their ideas and encouragement.

KIDS IN FIELD DAY TO BE STUDIED –

What if the some of the concepts of Kid's Day could be combined with the world's most popular operating event, Field Day? On a motion by your Director, W6XD, the Board agreed to take a look at this idea for implementation beginning in 2005. Special thanks to Division Members W6RCL and W6AQ for their encouragement and support.

**THAT'S IT FOR THIS TIME, FOLKS - 73
from your Division team!**

Art, W6XD Director <w6xd@arrl.org>

Tuck, NZ6T Vice Director <nz6t@arrl.org>

**ARRL SEEKS COMPUTER-BASED
MULTIMEDIA PRESENTATIONS AND
VIDEOS** - ARRL Field and Educational Services (F&ES) continues to seek Amateur Radio presentation programs or slide shows that utilize Microsoft PowerPoint or similar slide-viewing software. F&ES also is interested in VHS and digital video programs for the ARRL Video Series <<http://www.arrl.org/FandES/ead/materials/videos.html>>.

Topic choice can be any Amateur Radio subject of interest to hams or targeted for a non-ham community, including demonstrations and tutorials

on various topics. The ARRL Web site's Multimedia Frequently Asked Questions page <<http://www.arrl.org/FandES/ead/materials/visuals.html>> has further information. The League's video library needs media in forms that are easily portable, easily presented and up-to-the-minute. As file size and download speed may be an issue for downloading submissions from the ARRL Web site, F&ES wants to offer the best submissions by topic collection in CD-ROM format.

Presentations and slide shows submitted should be placed on disc or CD-ROM. Videos should be in VHS or DVD format and not exceed 20 minutes in length. Submissions must contain original material and should not use music, video clips or copyrighted materials owned by others without appropriate permissions. Submissions should include a cover sheet describing the program, system requirements and file sizes and noting any use of materials used with the permission of others. ARRL will require a signed release form provided by ARRL. CDs selected for distribution would be made available to clubs and interested individuals for the cost of duplicating, shipping and handling.

Send presentations or slide shows on disc, CD-ROM, VHS tape or DVD to: Multimedia Project, c/o Mary Lau, N1VH, ARRL Field and Educational Services, 225 Main St, Newington, CT 06111. Contact Lau <mlau@arrl.org> for additional information.

ARRL Foundation scholarship deadline looms:

The February 1 deadline is fast approaching to apply for ARRL Foundation-sponsored scholarships. Individual awards range from \$500 to \$5000 for single-year scholarship awards and up to \$10,000 annually for the multi-year William R. Goldfarb Memorial Scholarship. Information and applications for all ARRL Foundation scholarship awards is available on the ARRL Web site <<http://www.arrl.org/arrlf/scholgen.html>>. Don't delay! Send scholarship applications with academic transcripts (and a Free Application for Federal Student Aid Student Aid Report--FAFSA-SAR--<for "<http://www.fafsa.ed.gov>>for the Goldfarb Scholarship) to The ARRL Foundation, 225 Main St, Newington CT 06111. The February 1, 2004, postmark deadline is firm. There are no exceptions!

T.C.A.R.A. Member Questionnaire

So that we may better serve the TCARA community, we are asking you to complete the following questionnaire (please print your entries - clearly) and return it at the next meeting or mail it to: **Tri-County A.R.A., P. O. Box 75, Claremont, CA 91711**. Thanks for your help.

Call Sign: _____ License Class: _____ First Lic. in (Year): _____
Name: _____ A.R.R.L. member? Circle one: YES -- NO
Current Address: _____
City: _____ St.: _____ Zip: _____
Phone: _____
E - mail address: _____

Special Interests in amateur radio: _____

Other hobbies besides ham radio: _____

Are you a volunteer examiner? Yes --- No --- If yes, What organization? _____

Describe your operating interests in amateur radio (i.e. 2M FM, HF, contesting, satellite communication etc)

What would you like to see the club do in 2004? _____

Do you have any suggestions for programs for the year? _____

Certainly we would like to hear of your complaints. Please use the following box so that they get special attention. _____
(just kidding).

Anything else you wish to add that you feel may be of interest to the TCARA? _____

Thank you from your Board of Directors,
ALVIN BANMAN - W6EKZ
PRESIDENT