



# TRI-COUNTY AMATEUR RADIO Association

P.O. BOX 75 CLAREMONT, CALIFORNIA 91711

## I.R.O's NEW RADIOS on DISPLAY

**Bill Scholz W1HIJ, is presenting the new generation of ham radio's on November 10.**

Bill, W1HIJ, holds an extra class license, and has been active in ham radio since 1954. He also holds an FCC commercial 2nd Class Radiotelegraph Operator's License. His main interests are in cw operating and in experimenting with the digital modes like PSK31 and MFSK. He is an active contester both from his own station and as an operator at some multi-operator stations. Bill will be talking to us about new developments in the amateur radio environment, changes in regulation that make VHF more accessible to the general (i.e. non-licensed) public, and new opportunities for hams to make contributions to technical developments for communications.

He'll also be available to talk about new radios that are either available now or will be in the near future.

### **TCARA's Christmas Party is December 8**

Art Goddard, W6XD, ARRL Division Director and Fried Heyn, WA6WZO, ARRL Vice President will be attending. The dinner is \$12 paid in advance and \$14 at the door. Mail your checks to P.O. Box 75, Claremont CA 91711 or pay at the November, meeting.

The party will be at the Hometown Buffet in Montclair. We will have raffle tickets for sale. The first prize is a Yaesu FT-2800M, a 2 meter mobile and many other prizes. An optional gift exchange will be held.

### **Fred's presentation in Octobers meeting was about Slow Scan TV (SSTV)**

He demonstrated how the Slow Scan Television worked, and the free MMSSTV software you can download from the Internet and install.

#### **MMSSTV Software link:**

<<http://www.qsl.net/mmhamsoft/mmsstv>>

He also demonstrated with a radio using a Repeater to send and receive pictures over the air.

Fred also holds a weekly Sunday evening Slow Scan TV net (SSTV) on 20 and 2 meter. 2 meter Freq. 146.700, -600 PL: 146.2 & starts at 7p.m. He's the control operator for the Net, and does a fantastic job.

Thanks Fred Kanasek KF6HQC  
**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, November 10, 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.

**Starting January 2004, Meetings will change to 2<sup>nd</sup> Thursday of every Month at 7:30 p.m.**

## **WORLD'S BROADCASTERS JOIN ANTI-BPL CHORUS**

A subcommittee of an International Telecommunication Union (ITU) <<http://www.itu.org/>> panel of technical experts responsible for terrestrial broadcasting issues has joined a growing chorus of concern about the interference potential of power line telecommunication (PLT)--better known in the US as Broadband over Power Line (BPL). ITU Radiocommunication Sector (ITU-R) Sub Working Group (SWG) 6E1 expressed the view that interference produced by systems employing PLT as well as by Industrial, Scientific and Medical (ISM) equipment and short-range devices, would compromise broadcast reception.

"SWG 6E1 is of the opinion that any increase in the amount of noise due to these systems is unacceptable," said a statement from the group's chairman to the chairman of Working Party 6E (WP 6E). "In particular, broadcast services should be protected from unwanted emissions from PLT systems," the panel asserted, "as these emissions are a byproduct of a system that is not itself a user of the radio spectrum." The panel recommended the formation of a group representing all users of the radio spectrum "to coordinate development of limits to be imposed on the radiation from these systems."

WP 6E says it will continue to study the effects of

PLT/BPL, ISM equipment and short-range devices on terrestrial broadcasting and send the results to ITU-R Working Party 1A, which is responsible for spectrum engineering techniques. WP 1A is scheduled to meet in Geneva October 30 to November 5.

ARRL Chief Executive Officer David Sumner, K1ZZ, expressed strong support and appreciation for the SWG's conclusions and the ongoing efforts of parent Working Party 6E to study the issue. "If BPL is a problem for broadcasters," Sumner said, "it's easy to see that it would be a disaster for us."

Broadcasters themselves also have exhibited increased concern about the potential of PLT/BPL to prevent their signals from reaching listeners. The Research and Development branch of the highly regarded British Broadcasting Corporation (BBC) has released a White Paper <http://www.bbc.co.uk/rd/pubs/whp/whp067.html> reporting on a brief trial in Scotland. The two competing PLT/BPL systems in operation in the town of Crieff both interfered with HF reception. Tests were conducted at four locations.

"The forms of access PLT that were tested in Crieff were found to have demonstrable potential to cause interference to indoor reception of broadcasting in relevant bands," the White Paper concluded. Significant interference even occurred in one residential area with an underground power distribution cable. BBC engineers described the interference as varying between "annoying" and "a level sufficient to make the broadcast completely unintelligible." Before commercially licensing PLT, the report advised, regulators need to undertake further study of other PLT systems and, among other issues, look into possible ways to make the PLT systems compatible with radio reception.

A report prepared by the Australian Communications Authority (ACA), Broadband Powerline Communications Systems--A Background Brief [http://www.aca.gov.au/radcomm/frequency\\_planning/spps/0311spp.pdf](http://www.aca.gov.au/radcomm/frequency_planning/spps/0311spp.pdf), concluded that "a potential risk to HF radiocommunications services from the widespread use of broadband powerline communications systems" appeared to exist. Citing BPL trials in the US, Europe and Asia, the ACA brief said, "The results of these trials have not alleviated concerns over the potential interference risk to radiocommunications."

ARRL's comments

<http://www.arrl.org/announce/regulatory/et03-104/>,  
reply comments

<http://www.arrl.org/announce/regulatory/et03-104/reply-comments-index.html> and technical exhibits filed with the FCC in response to the Commission's Notice of Inquiry (ET Docket ET 03-104)

are available on the ARRL Web site. See also the article "BPL is a Pandora's Box of Unprecedented Proportions, ARRL Tells FCC"

<http://www.arrl.org/news/features/2003/07/08/1/>.

Additional information and video clips are on the ARRL "Power Line Communications (PLC) and Amateur Radio" page <http://www.arrl.org/tis/info/HTML/plc/>.

To support the League's efforts in the BPL fight, visit the ARRL's secure BPL Web site:

<https://www.arrl.org/forms/development/donations/bpl/>.

## SUNDAY CLUB 2M NET

The TCARA Sunday net is held at 7:00 PM on the Baldy machine repeater: **FREQ: 147.210, DUP + 600, PL 156.7** (the old Bomb Squad machine). "The latest ARRL News Line broadcast, and Club Info will be included."

## 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 Deadline

The QRM Newsletter deadline for **December issues** should be turned in by **November 20**. Send **News/articles** to Ken Berglof 15720 Country club Dr., Chino Hills, Ca., 91709. E-mail address (Preferred) is: **kg6omz@arrl.net** Early submissions are always appreciated.

**Ken Berglof, kg6omz, QRM Editor**

## E-MAIL UPDATE

Since the club we will 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: **kg6omz@arrl.net**. "Thanks for your help.

**Ken Berglof, KG6OMZ."**

## 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\.

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.

## TCARA INTERNET HOME PAGE

TCARA has its home page on the Internet, and the URL is: [HTTP://www.qsl.net/k6agf](http://www.qsl.net/k6agf)

## CASH DRAWING

November cash drawing will be for **\$10**

Clint – KQ6NJ was happy when they called his name for the October drawing of **\$30**, congratulations! Clint.

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 "Monday, November 10 at 7:30 P.M." The cash drawing will be \$10.**

## 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).

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 6:30 a.m. through 11:30 a.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)

## AMATEUR LICENSE TESTING

Last Saturday of each month, except December. TCARA ARRL TESTING SESSION: **Next session will be Saturday, November 29, 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 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.

## 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.

### Local Groups:

**La Verne** - La Verne Emergency Communications Team, K6LVN.

Nets Tuesday @ 7:30 PM, 144.970, Johnstone Peak.  
Meeting 3rd. Tuesday, 7:30 PM @ 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.

**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 Monday Net. 7:00 PM 147.300 MHz PL123.**  
**Contact:** John Garcia KF6ZQN

**Chino Hills - Chino Hills Auxiliary Radio Team (CHART)** net is **every Thursday** except the third Thursday of the Month, at **7:00 p.m.** CHART's tactical frequency is **147.480 simplex**. The City's 220 MHzZ repeater frequency is 224.720 PL 127.3-offset.

If anyone has anything to add to the Emergence group 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

### **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 "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 IRLP for many sites.

### **FCC INVITES COMMENTS ON ADDITIONAL MORSE CODE-RELATED PETITIONS**

The FCC has sounded the bell to begin Round 2 of the Morse code debate by inviting public comment on another group of seven Morse-related petitions for rulemaking. The FCC put the petitions on public notice October 8, and comments are due by November 7. Members of the amateur community may make their opinions known on any or all of these filings using the FCC's Electronic Comment Filing System (ECFS) <<http://www.fcc.gov/cgb/ecfs/>>. The petitions are RM-10805 through RM-10811. To summarize:

\* Charles L. Young Jr, AG4YO, asks the FCC to delete the 5 WPM Morse code test (Element 1) for Technician-plus-Element 1 privileges (formerly "Tech Plus"). Designated RM-10805, his petition would retain Element 1 as an examination requirement for General and Amateur Extra applicants and give Technicians limited HF SSB privileges.

\* Describing CW as "the purest, most accurate, efficient, reliable and economical form of radio communications ever devised," Frank Napurano, K2OKA, requests that the FCC retain the 5 WPM Morse requirement "in the interest of public safety, the preservation of a radio art and as a tribute of support for a prized and respected avocation." The FCC designated his filing as RM-10806.

\* A petition by Robert G. Rightsell, AE4FA and Harry A.M. Kholer, N0PU, designated RM-10807, would continue Morse testing but give applicants up to 24 points of exam credit according to their success on Element 1. The final exam score would be the sum of earned Element 1 points and the written test score for a possible total of 100 points. Their petition also calls on the FCC to consolidate the Novice and Technician and the Advanced and Amateur Extra licenses, boost the number and range of written test questions and give new Technicians CW and data privileges.

### **73 MAGAZINE SAYS "73 AND QRT**

After completing 43 years of publication, 73 Amateur Radio Today magazine is calling it quits. Plans to publish a joint October/November issue fell through this week, and the September 2003 issue was the magazine's last. According to self-proclaimed "El Supremo and Founder" Wayne S. Green II, W2NSD, it was a simple matter of economics.

"After failing a last minute effort to collect on some larger accounts receivable we decided yesterday to throw in the towel--that the September issue will have to be the last," Green told ARRL October 9. "SK after 43 years of publishing."

The first issue of 73 was published in October 1960 from what Green—a former editor of CQ--once described as "a small, dingy apartment" in Brooklyn, New York. Since the summer of 1962, 73 has been based in Peterborough, New Hampshire--Green's home state. The magazine was a pioneer promoter of SSB, FM, solid-state, easy construction projects and the marriage of personal computing and Amateur Radio. His interest in microcomputing led Green in 1975 to found Byte, a magazine devoted to the then-nascent and largely do-it-yourself computer hobby.

At the peak of its popularity in the 1970s and 1980s, individual issues of 73 totaled more than 300 pages of ads, articles and commentary. Heading each issue was Green's inimitable "Never Say Die"--some would say never-ending--editorial, in which he rarely missed an opportunity to tweak the ARRL and his magazine competitors for their perceived shortcomings.

QST Editor Steve Ford, WB8IMY, says 73 published his first article in the 1970s. "I was saddened to hear that 73 has ceased publishing," Ford said. "Wayne's excitement about the growing amateur FM repeater phenomenon at the time was infectious."

Green's 73 editorials and regular round of personal appearances originally concentrated on Amateur Radio and his ideas to improve, advance and grow it. In recent years, however, they've veered into conspiracy theories, cures for cancer, AIDS and other ailments and Green's proliferation of book titles on those topics.

Green says he'll continue his essays on his Web site <<http://www.waynegr.com>> "for those subscribers who mainly bought the magazine for them." He told ARRL that no definite arrangements have been made yet about how to handle outstanding 73 subscriptions.

CQ Publisher Dick Ross, K2MGA, said he takes no joy from the passing of 73. "The loss of any publication serving Amateur Radio leaves all of us a bit poorer," he said. "Thank you, Wayne, for 43 entertaining, informative, sometimes infuriating, and always interesting years of 73. We'll genuinely miss it."

## ATTENTION CLUBS!

Time to check your ARRL affiliation status: It's time for ARRL-affiliated clubs to check and update their ARRL affiliation status. Don't let your club affiliation lapse! To report changes in club data, visit "**The Affiliated Club Annual Report Form**" page on the ARRL Web site

<<http://www.arrl.org/FandES/field/club/forms/fsd2/>>

. Follow the instructions under the heading "How to submit an update for your club records." ARRL will update its club affiliation database as soon as it receives new data, and updated listings typically appear on the ARRL Web site within 24 hours. Renewing Special Service clubs should complete Form FSD-7--Application for Renewal as an ARRL Special Service Club <<http://www.arrl.org/FandES/field/club/forms/fsd7/renewal.html>>. For more information, visit the ARRL Club Companion Web page

<<http://www.arrl.org/FandES/field/club/>> or contact Margie Bourgoin, KB1DCO, [kb1dco@arrl.org](mailto:kb1dco@arrl.org); 860-594-0267.

## ARRL 2003 FIELD DAY RESULTS

### NOW AVAILABLE ON-LINE

(Oct 21, 2003) -- The results of the ARRL 2003 Field Day—is located at web site:

[www.arrl.org/contests/results](http://www.arrl.org/contests/results)

the scores database and a writeup entitled "The Ham in the Hat" (a la Dr Seuss)--now are available for League members. The pages contains a user-searchable database and the expanded contest summary plus tables comparing this year's event with previous Field Day events, and some "interesting" sidebars, including one called "How the Grinch Stole Propagation," says ARRL Contest Branch Manager Dan Henderson, N1ND. There's also a "2003 Field Day Photo Gallery."

## TEXAS ANTENNA CASE SHOWS PRB-1 IS NO PAPER TIGER:

(Oct 20, 2003) -- A Texas amateur antenna case has affirmed again that the limited federal preemption known as PRB-1 has teeth when it comes to compelling municipalities to reasonably accommodate Amateur Radio communication. It took some time, persistence and considerable aggravation, but in the end the US District Court for the Southern District of Texas--Houston Division ruled in favor of Orin Snook, KB5F, of Missouri City. The court determined in late August that Snook could keep his 114-foot antenna structure.

Full store at URL web site:

<http://www.arrl.org/news/stories/2003/10/20/1/?nc=1>

## THE AMATEUR AMATEUR: SMOKY MOUNTAIN HIGH.

(Oct 19, 2003) -- They say that ham radio is a great hobby. They say that you get to meet new people, chat with distant friends, learn new things and participate in community activities. I just wish I had time to do some of that stuff. Full Story at URL web site:

<http://www.arrl.org/news/features/2003/10/19/1/?nc=1>

## FIVE HAMS NOW ABOARD INTERNATIONAL SPACE STATION

(Oct 21, 2003) -- The contingent of space travelers now aboard the International Space Station (ISS) expanded to five early Monday, October 20, with the arrival of the Expedition 8 crew and a European Space Agency (ESA) astronaut who accompanied them into space. Expedition 8 Commander and NASA ISS Science Officer Mike Foale, KB5UAC, and Russian Cosmonaut and ISS Flight Engineer Alexander Kaleri, U8MIR, and ESA Astronaut Pedro Duque, KC5RGG, joined Expedition 7 Commander Yuri Malenchenko, RK3DUP, and NASA ISS Science Officer Ed Lu, KC5WKJ, after their Soyuz TMA-3 transporter docked with the ISS above Russia.

**Full Story AT URL:**

**<http://www.arrl.org/news/features/2003/10/21100/?nc>**

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