

ARRL News Line broadcast, and Club Info will be included."

BEST IN THE WEST

Don't delay any longer... register for the 2003 Southwestern Division Convention, **September 5-6-7** at the Hilton Long Beach. Get a registration form at: <http://www.hamcon.org>

HAMCON has announced well-known astronomer, Jim Young, W7FTT as our Saturday Luncheon speaker. Jim will speak about a current topic that's bound to hold your attention, "Near Earth Asteroids".

Also announced is the Special Events Station, W1AW/6. Try out the latest equipment on the air... Receive a certificate as an operator of W1AW/6.

Banquet reservations are filling up fast; HAMCON will be forced to cut off ticket sales soon. Don't miss this multimedia showcase about Amateur Radio Today and Hollywood's involvement in the future of Amateur Radio.

And don't overlook all the PRIZES, Technical Programs, PRIZES, Forums, PRIZES, Workshops on ARDF and Emergency Communications, PRIZES, Latest and Greatest Equipment, and did we mention PRIZES?

So OK already, you're almost convinced, what about getting there? Plenty of parking; or take the Blue Line; or make your reservations at the Golden Shore RV Park. More info on Golden Shore at: <http://www.ci.long-beach.ca.us/park/facilities/goldenshorervpark.htm>

So 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](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](http://www.hamcon.org)**
Too get all the information on Hamcon 2003.

PVCH HAM OPERATORS

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

CASH DRAWING

Art Aslesen W6TPG name was drawn at the July meeting, and wasn't there, so the drawing for the August meeting will be **\$30**.

TCARA holds a monthly cash drawing at our meetings. The August drawing will be for **\$30**. \$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, **August 11**, 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.

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, August 30, 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 CSEs 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.

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 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

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 for info. Check in on the

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

TCARA INTERNET HOME PAGE

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

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,

Packet: ZL2TWS@ZL2WA.#60.NZL.OC

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.google.com> Type in 'IRLP' for many sites.

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GREAT NEWS FROM FIELD DAY

The 2003 Field Day entry has been sent , and the final
tally recorded. We had a total of 533 contacts, but with
the extra points for (CW) we doubled on some contacts.
The multiplier for battery power was doubled. Also we
gained points for Media Publicity, Set-up in a Public
Place. The Information Booth and 100% Emergency
Power. With all added together we came up with a

Whopping 1466 points. Thanks

every one 73 all,

Dave Cioni KF6OQC

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SOLAR UPDATE

Heliophile Tad "Sunshine of Your Love" Cook, K7RA,
Seattle, Washington, reports: Geomagnetic activity
settled down over the past week. The average daily
planetary A index dropped by nearly half from the
previous week, from 29.1 to 16.1. Average daily sunspot
numbers went up from 140 to 195.3, and average daily
solar flux rose from 125.6 to 147.7.

Solar flux declined from Wednesday to Thursday, July
23 to 24, from 144.1 to 129.2. Predicted solar flux for

Friday through Monday, July 25 to 28 is 120, 125, 125 and 130. Planetary A indices for those same days is predicted at 12, 15, 12 and 15 but is expected to rise next week to between 20 and 25.

Sunspot numbers for July 17 through 23 were 189, 193, 178, 224, 219, 200 and 164, with a mean of 195.3. The 10.7-cm flux was 138.7, 139.7, 146, 157.3, 155.6, 152.5 and 144.1, with a mean of 147.7. Estimated planetary A indices were 22, 14, 26, 19, 12, 9 and 11, with a mean of 16.1.

CONTACTING AMATEUR RADION ON THE INTERNATIONAL SPACE STATION

These are the Frequencies, and Call Signs

Worldwide downlink for voice and packet **145.800**

Worldwide packet uplink **145.990**

[Region 1](#) voice uplink **145.200**

Region [2](#) and [3](#) voice uplink **144.490**

Initial operations will only take place on the **2m band**.

Callsigns for the ISS

Yuri Malenchenko **RK3DUP**

Edward Lu **KC5WKJ**

Russian callsigns **RSOISS, RZ3DZR**

U.S.A. callsign **NAISS**

Packet station mailbox callsign **RS0ISS-1**

Packet station keyboard callsign **RS0ISS**

For more information on the procedures used to contact the International Space Station, please visit the

<http://www.rac.ca/ariss/>

Amateur Radio on the International Space Station

LOCATING NASA's SPACE STATION AND MORE AT:

<http://liftoff.msfc.nasa.gov/temp/StationLoc.html>

TIME CONVERSION TO UTC

<u>EST</u>	<u>UTC</u>	<u>CST</u>	<u>MST</u>	<u>UTC</u>	<u>PST</u>	Standard time for PST
1900	0000*	1800	1700	0000*	1600	4 pm
2000	0100	1900	1800	0100	1700	5pm
2100	0200	2000	1900	0200	1800	6pm
2200	0300	2100	2000	0300	1900	7pm
2300	0400	2200	2100	0400	2000	8pm
0000*	0500	2300	2200	0500	2100	9pm
0100	0600	0000*	2300	0600	2200	10pm
0200	0700	0100	0000*	0700	2300	11pm
0300	0800	0200	0100	0800	0000*	12Midnight
0400	0900	0300	0200	0900	0100	1am
0500	1000	0400	0300	1000	0200	2am
0600	1100	0500	0400	1100	0300	3am
0700	1200	0600	0500	1200	0400	4am
0800	1300	0700	0600	1300	0500	5am
0900	1400	0800	0700	1400	0600	6am
1000	1500	0900	0800	1500	0700	7am
1100	1600	1000	0900	1600	0800	8am
1200	1700	1100	1000	1700	0900	9am
1300	1800	1200	1100	1800	1000	10am
1400	1900	1300	1200	1900	1100	11am
1500	2000	1400	1300	2000	1200	12Noon
1600	2100	1500	1400	2100	1300	1pm
1700	2200	1600	1500	2200	1400	2pm
1800	2300	1700	1600	2300	1500	3pm

Universal Coordinated Time (UTC) is the time at the zone or reference meridian. Time changes one hour with each change of 15deg. In longitude, EST, CST, MST, and PST are 5, 6, 7, and 8 hours "earlier" than the time at the reference

(0Deg.) meridian. They correspond to 75th, 90th, 105th and 120th meridians. * or 2400. (2400 is associated with the date of the day ending; 0000 with the day just starting.)

“Q” SIGNALS

QRA = What is the name of your station?
QRG = What's my exact frequency?
QRH = Does my frequency vary?
QRK = What is my signal intelligibility? (1-5)
QRL = Are you busy?
QRM = Is my transmission being interfered with?

QRN = Are you troubled by static?
QRO = Shall I increase transmitter power?
QRP = Shall I decrease transmitter power?
QRQ = Shall I send faster?
QRS = Shall I send more slowly?

QRT = Shall I stop sending?
QRU = Have you anything for me?
(Answer in negative.)
QRV = Are you ready?
QRW = Shall I inform ... that you are calling him on...?
QRX = When will you call again?
QRZ = Who is calling me?
QSA = What is my signal strength? (1-5)
QSB = Are my signals fading?
QSD = Is my keying defective?
QSG = Shall I send ... messages at a time?
QSK = Can you work break in?
QSL = Can you acknowledge receipt?
QSM = Shall I repeat the last message sent?
QSO = Can you communicate with ... direct?
QSP = Will you relay to...?
QST = General call preceding a message addressed to all amateurs and ARRL members.
QSV = Shall I send a series of V's?
QSW = Will you transmit on...?
QSX = Will you listen for ... on...?
QSY = Shall I change frequencies?
QSZ = Shall I send each word/ group more than once?
(Answer, send twice or...)
QTA = Shall I cancel message number...?
QTB = Do you agree with my word count? (Answer negative)
QTC = How many message have you to send?
QTH = What is your location?
QTR = What is the correct time?
QTX = Will you keep your station open for further communication with me?
QUA = Have you news of...?

CALIFORNIA GOVERNOR SIGNS AMATEUR ANTENNA BILL

Recent efforts by proponents of California's Amateur Radio antenna bill apparently paid off July 14 when Gov Gray Davis signed Assembly Bill 1228. The measure, which cleared both legislative branches with unanimous votes, incorporates the essence of the limited federal preemption known as PRB-1 into California law.

"Amateur Radio's message got through 'the pileup' in Sacramento," said ARRL Southwestern Division Director Art Goddard, W6XD. "Thanks to all the hams in California who wrote cards, letters and e-mails urging their representatives and their governor to pass this legislation."

In a statement <<http://tinylink.com/?xzrT4PAIs9>>, Davis cited the "thousands of hours of volunteer service" Amateur Radio operators donate in support of state and local government. Davis said ham radio volunteers play a crucial role in times of disasters or emergencies. "By providing a reliable communication system during an emergency situation, such as a terrorist attack, Amateur Radio stations provide an invaluable service to the state of California," he added.

AB 1228 was sponsored by freshman Assembly member Bob Dutton (R-Rancho Cucamonga). Mike Mitchell, W6RW, spearheaded the Amateur Radio community's efforts to promote the bill. "Great news that Governor Davis signed AB 1228!" a delighted Mitchell reacted. "Congratulations to the hams of California!"

Goddard expressed similar elation. "This bill will give hams in California a fighting chance to have a reasonable antennas," he said. He also congratulated Dutton and his staff for shepherding the bill through committees and both legislative chambers without a single dissenting vote and thanked Mitchell for being "our sparkplug" on the bill. He also cited ARRL staffer Dean Straw, N6BV, and Pacific Director Bob Vallio, W6RGG, for speaking on behalf of the bill in committee hearings.

The bill went to Davis for his signature on July 3, and Goddard and Vallio promptly mounted a campaign to have amateurs contact Davis and urge him to sign it. Davis had vetoed a similar bill in 2000, in part citing the cost for studies the legislature had required. The 2003 bill contained no such provisions. Davis now is facing the possibility of a recall election.

The new law requires any ordinance regulating Amateur Radio antenna structures not to preclude but to "reasonably accommodate" Amateur Radio

communications, to allow amateur station antenna structures "at heights and dimensions sufficient to accommodate Amateur Radio Service communications" and to constitute "the minimum practicable regulation to accomplish the legitimate purpose of the city or county."

The most ham-populated state in the US, California becomes the 20th state to adopt PRB-1 legislation. The state is home to some 100,000 amateur licensees--almost 15 percent of the US total.

A copy of the measure is available on the California Legislature Web site

<http://info.sen.ca.gov/pub/bill/asm/ab_1201-1250/ab_1228_bill_20030630_enrolled.html>.

WHAT TO DO ABOUT THE MORSE REQUIREMENT POST-WRC-03?

World Radiocommunication Conference 2003 (WRC-03) made optional the requirement to prove the ability to send and receive Morse code to operate below 30 MHz. While Morse exam elements remain on the books in the US, Canada and elsewhere, Switzerland and the United Kingdom have apparently become the first countries to delete their Morse requirements for HF operation. In the US, however, the FCC is unlikely to act on its own motion to simply make the Morse testing requirement go away.

"There isn't an exception in the Administrative Procedures Act that I am aware of that would permit the Commission to issue an administrative fiat changing the license structure or exam-requirement rules," said an FCC staffer who's closely involved with Amateur Service rules. Other countries can do this because they have different laws and procedures, the FCC staff member observed, adding that even if it could be done here, "that still leaves unanswered the fundamental question: What do you want the new rules to be?"

In its December 1999 Report and Order restructuring Amateur Radio licensing, the FCC stopped short of revising the rules to sunset the Morse requirement automatically if WRC-03 deleted Morse proficiency from the international Radio Regulations. The FCC also acknowledged "a clear dichotomy of viewpoints" on the Morse code issue within the amateur community.

The ARRL's policy for several years has been that Morse should be retained as a testing element in the US. At its July 18-19 meeting in Connecticut, however, the Board said it would solicit and review input from members on the Morse testing requirement and other possible revisions to Part 97 arising from WRC-03.

The first move on the Morse code question in the US is for someone to file a Petition for Rule Making with the FCC seeking a rule change. No Code International (NCI) <<http://www.nocode.org/>> has spearheaded the battle to eliminate the Morse requirement and would be a likely organization to file such a petition. NCI Executive Director Carl Stevenson, WK3C, said late last week that NCI was still studying the matter and had not yet made a final decision on a plan of action. An ARRL member, Stevenson says he hopes personally that the League would join NCI in actively encouraging the FCC to eliminate the Morse exam element as soon as possible.

Hopes for a quick resolution to the Morse question could be wishful thinking, however. Once a petition to drop the Morse exam element is filed, the FCC will put it on "public notice" by assigning a RM number and soliciting comments. If more than one such petition is filed, the FCC is obliged to invite comments on each. When that process is completed, the FCC may determine that a Notice of Proposed Rule Making (NPRM) is in order. The Commission at that point could incorporate all Morse-related rule making petitions into a single proceeding. The NPRM would get a docket number, and the comment process would begin anew.

Further complicating and extending the process, the FCC most likely would incorporate other pending Amateur Radio-related issues into the same NPRM. At the end of the comment and reply comment periods, the FCC would issue a Report and Order (R&O) that includes its decision on the Morse code requirement and any other issues incorporated into the proceeding. The whole process could take a couple of years, perhaps longer.

Ratification of the WRC-03 Final Acts by the US Senate does not appear to be necessary before the FCC can act or begin the rule making process. Following World Administrative Conference 1979 (WARC-79) which resulted in three new HF amateur bands, the FCC acted in 1982, prior to Senate ratification of the conference's Final Acts, not only to initiate the rule making process but to give amateurs limited access to 30 meters.

Radio Amateurs of Canada has advised hams in that country that the Morse qualification requirement remains in effect for operation below 30 MHz, "pending a review by Industry Canada of the impact of the WRC-2003 regulatory changes on the Canadian radio regulations, policies and procedures."

IN BRIEF:

This weekend on the radio: The IOTA Contest, the Russian RTTY World Wide Contest, the Kentucky QSO Party and the Black Sea 2-Meter VHF FM Contest are the weekend of July 26-27. JUST AHEAD: The North American QSO Party (CW), the ARRL UHF Contest, **the TARA Grid Dip PSK-RTTY Shindig**, the 10-10 International Summer Contest (SSB), the European HF

Championship and the
SARL HF SSB Contest are the weekend of Aug 2-3. See
the ARRL Contest Branch page
<<http://www.arrl.org/contests/>> and the WA7BNM