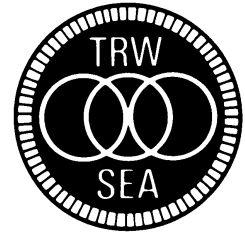




CROSSTALK

News Bulletin of the TRW Amateur Radio Club



Volume 99 Number 7

July 1999

Long time Club Member Jerry Dean WA6GVO is retiring on July 1. His email address is:
jerry.dean@home.com

Ed Thornley W6RXD's XYL passed away recently, on behalf of the Club, we express our deepest sympathy.

NASA Space Science News for June 28, 1999

Radio Meteor Alert -- The earth may be headed into two meteoroid swarms that could produce shooting stars for the next week. The meteors might be difficult to see visually (some are expected during the daytime) but HAM radio operators will be able to monitor these showers using radio reflection techniques. Radio observations reported to Science@NASA yesterday indicate that meteor activity may already be underway. This story includes audio sounds from meteors recorded on June 27th.

FULL STORY at

http://science.nasa.gov/newhome/headlines/ast28jun99_1.htm

Annual SEA Club Drive

The SEA Club Membership Drive scheduled for **Wednesday, July 21, 11:30 am to 1 pm in the S-Patio**. Plan to be there and support your Club and tell a friend.

In This issue:

- *Club Events Calendar – Page 2*
- *Articles by Craig Gullickson N6ED– Page 3&4*
- *STS-93 (SAREX) News – Page 6*
- *Contest Corner by Jim Harrison N6OUE – Page 7*

TRW ARC Monthly Calendar of Events

First Tuesday of each month	5:30 pm	Executive Board Meeting, R4/2041 (All Club Members are invited)
Second Tuesday of each month	5:30pm	Club Meeting Round Table Pizza, (Redondo Bch. & Hawthorne)
Second Tuesday of each month	12:00 noon	Emergency Communications Team Meeting R3 Emergency Operations Center
Last Saturday of each month	7:00 am	TRW ARC Swap Meet Marine and Aviation (Northeast Corner)
After the Swapmeet	12:00 noon	T-Hunt Swap Meet Parking Lot - 144.72 MHz

Weekly Events

Every Monday Night (Except the 1st & Holidays)	7:30 pm	Disaster Communication Systems (DCS) Net DCS Members: Check in on 2 Meter Repeater
Every Wednesday	12:00 noon	ECT Net on 2 meter Repeater All Amateurs Welcome
Every Thursday	7:00 pm	Space Hams Net on 2 meter Repeater with N6SHI and W6EKK
Every Mon, Wed, Fri	2:00 pm	TRWARC Retirees Net 7185 KHz
Every Friday Morning	7:30 am	TRW Amateur Radio Club Breakfast Building S Cafeteria - Everyone is invited Talk-in on 2 Meters

Other Events

Computer Fair *Hours: 10:00 to 17:00 (get a \$25.00 annual pass see:*

<http://www.lacomputerfair.com/annpass.html>)

POMONA \$6.00 admission

Live Broadcasts: KFI-Jeff Levy "On Computers", KZLA, Y-107FM

July 17 & 18, 1999 (Sat. & Sun.) bldg. 4

Fairplex Exposition Complex Exit Highway 10 at Fairplex Drive.

Go north to McKinley Avenue, turn right. Turn left on White Avenue to Gate 14.

RESEDA \$3.00 admission

July 10, 1999 (Sat.)

Sherman Square Entertainment Center From the 101 Freeway take the Reseda offramp,

go north to Sherman Way and turn right. Go one block to Canby Street. 18430 Sherman Way.

BUENA PARK \$5.00 admission

July 11, 1999 (Sun.)

Sequoia Conference Center Take the Beach Blvd. exit off the 91 Freeway.

Go one block north to 7530 Orangethorpe.

All Shows Open to the Public 10:00 a.m. to 5:00 p.m.

Call for more information (408) 778-5200 or 800-800-5600 Fax# (408) 779-1374

Other Ham Swap meets:

Inland Empire ARC - 2nd Sat. ea. mo. 7:00 to 11:30 AM @ A.B. Miller High School, Walnut & Oleander

in **Fontana** Talk-in 145.480 (-600 pl=77.0hz)

El Cajon ARC - 1st Sat. ea. mo. 6:00 AM @ Santee Drive-in Theater, Woodside Ave. @ Hwy 67 in **Santee** Talk-in 146.52

CAL POLY - 3rd Sat. ea. mo. 7-11am in lots F8,F9 and F10 @ CAL Poly Pomona at 3801 West Temple.

Talk-in TBD (if you know, please email me... ed.)

(Submitted by Craig Gullickson N6ED)

HOW THE WORD "HAM" CAME ABOUT:

The story goes that back in 1908 three men who ran a Pioneer Wireless Station, Albert E. Hyman, Robert Almy, and Reggy Murray, first coded-named their amateur radio station "Hyman-Almy-Murray". But that was too long to tap out on the telegraph key, so they changed it to "Hy-Al-Mu". But that sounded too much like the Mexican Ship "Hyalmo". So they finally decided on "HAM", and when the amateur radiomen were attacked nationwide for clogging the airways, Albert E. Hyman went to Congress to win the legal fight for his HAM station, which had come to symbolize all of the amateur radio operations everywhere.

That's why amateur radio operators today are also known as hams.

(Submitted by Craig Gullickson N6ED)

THE AMATEURS CODE

The Radio Amateur is:

CONSIDERATE...never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

FRIENDLY...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED...radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC...station and skill always ready for service to country and community.

The original Amateur's Code was written by Paul M Seagal, W9EEA, in 1928.

(Submitted by Craig Gullickson N6ED)

From ARRL Headquarters
Newington CT June 8, 1999
To all radio amateurs

SB QST ARL ARLB038
ARLB038 Easy Operation Overseas Now a Reality for US Hams

The FCC has implemented the European Conference of Postal and Telecommunications Administrations (CEPT) Recommendation T/R 61-01 that eliminates the need to obtain a special license or permit for US hams wishing to operate during brief visits to most European countries. In addition, the ARRL has begun issuing International Amateur Radio Permits to simplify operation by US hams in certain South American countries.

The FCC put the final pieces of the CEPT arrangement into place June 7 by issuing a Public Notice in English, German, and French that spells out the basic information about Amateur Radio operation in CEPT countries. To operate in a CEPT country, US hams only need a copy of the Notice, their original Amateur Radio document, and proof of US citizenship (a US-issued passport or a birth certificate should suffice).

US hams holding any license class but Novice are eligible to operate in CEPT countries. A US citizen with a Technician ticket may be authorized privileges equivalent to a CEPT Class 2 (ie, VHF-only) license, while a US citizen holding a higher class license may be authorized CEPT Class 1 (ie, all amateur and amateur-satellite) privileges.

The authorization is for use of a portable or mobile station only, including stations set up at hotels or a camping site. Authorization is also granted for US hams to operate the stations of permanent licensees in host countries. The use of Amateur Radio aboard an aircraft is not allowed, however.

To identify while overseas, US stations will use their assigned call signs preceded by the CEPT call sign prefix for the country or territory visited. US licensees operating under this agreement overseas cannot request protection against harmful interference.

Operators must abide by the provisions of the ITU Radio Regulations as well as CEPT Recommendation T/R 61-01 and the regulations in force in the host country. US operators planning to operate in other countries must become familiar with that country's regulations and frequency allocations, paying special attention to regional differences.

Participating CEPT countries as of June 7 include Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France (including Corsica, Guadeloupe, Guiana, Martinique, St Bartholomew, St Pierre et Miquelon, St Martin, and Reunion/Dependencies), Germany, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Monaco, Netherlands, Norway, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom (including Great Britain, Northern Ireland, the Channel Islands, and the Isle of Man).

The ARRL has begun issuing the International Amateur Radio Permit (IARP) that allows US amateurs to operate from Argentina, Brazil, Peru, Uruguay, and Venezuela without having to obtain a special license (the US and Canada also are CITES signatories). The IARP is valid in any country that is a signatory to the CITES Amateur Convention.

The Class 1 IARP--available to Tech Plus and higher class licensees--requires knowledge of Morse code and carries all operating privileges. The Class 2 IARP--equivalent to the US Technician ticket--does not require knowledge of Morse code and carries all privileges above 30 MHz. An IARP is not a license, but it certifies the existence of a license.

Complete information on CEPT and IARP operation, including an IARP application form and a copy of the FCC Public Notice on CEPT, is available from the International Operating page on ARRLWeb, <http://www.arrl.org/field/regulations/io/>.

The new procedures affect operation only in participating CEPT (European) and CITES (Central and South American) countries. They do not change the procedures for US hams wishing to operate overseas in countries that are not CEPT participants or CITES Amateur Convention signatories. Information on operation from these countries also is available on the pages of ARRLWeb.

FCC SAYS HAMS NEXT IN LINE FOR ULS

(Reprinted from the ARRL Letter Volume 18, Number 25)

The FCC says the Amateur Service is the next in line to be converted to the Universal Licensing System. Amateur Radio is scheduled for ULS "deployment" in August. Most of the remaining wireless services will be converted from their old licensing systems to ULS in phases during the remainder of 1999.

The FCC has adopted a Report and Order to enable public access to application and licensing information in the

ULS via the Internet. The FCC says its decision will "significantly enhance the ability of the public to access public record information regarding wireless licensees, at a reduced cost."

The Universal Licensing System will replace the venerable Form 610 series with a new, inclusive electronic document known as Form 605. It also will incorporate the vanity call sign program. The ULS will permit amateurs to file applications, modifications or renewals via the Internet. Individual hams will not be required to file electronically, however. So far, nearly 6000 amateurs have registered with the ULS.

MULTIPLE CALL SIGN HOLDERS COULD FACE FINES

(Reprinted from the ARRL Letter Volume 18, Number 25)

The FCC's Riley Hollingsworth, K4ZDH, says the Commission may have to resort to fines to curb the practice of hoarding multiple club station call signs. "The reason we're concerned about this is that we consider it an abuse of our licensing processes," said Hollingsworth, a legal adviser for enforcement in the FCC's Compliance and Information Bureau. "If somebody applies for 30 or 40 licenses over time, it really overloads the staff." Hollingsworth pointed out that the call signs often must be typed in manually.

"If we have continued abuse, we're going to have to levy some forfeitures, which we have done in the past for abuse of Commission processes," he said. "With short staff and budget considerations, we just can't let things like this go on."

Earlier this month, a ham listed as the trustee for more than three dozen club station call signs agreed to give up all but one of them. Motoaki Uotome, JA1GZV, who also holds a US Extra ticket as W9BO, apparently was the trustee of 41 club station call signs. Last month, the FCC set aside 14 recently granted club station call signs and 12 recently granted club vanity call signs he held and asked Uotome to justify the grants.

The US is not the only country in which Uotome has collected a call sign. An Internet search indicates that he also holds one or more Amateur Radio call signs in Australia, Chile, and Uruguay.

Hollingsworth concedes that the FCC rules do not specify an upper limit to the number of call signs an individual may hold, but says "the underpinning of the rules is common sense." He recommended that multiple call sign holders should seriously consider turning in their excess grants before they hear from the FCC, "because we will be pursuing them."

In addition to the Uotome case, the FCC on June 4 wrote Steve Massey, N6TT, of Manhattan Beach, California, to inquire about the one dozen club station call signs it had granted to him. The FCC immediately set aside several call signs and requested that Massey provide justification for having them. In a similar letter on June 7, the FCC also set aside four recently issued club station call signs granted to Steven K. Nace, KN5H, of Chandler, Arizona.

News of the cases already has had an impact. "We're had several others come in on a voluntary basis and turn their excess number in," Hollingsworth said.

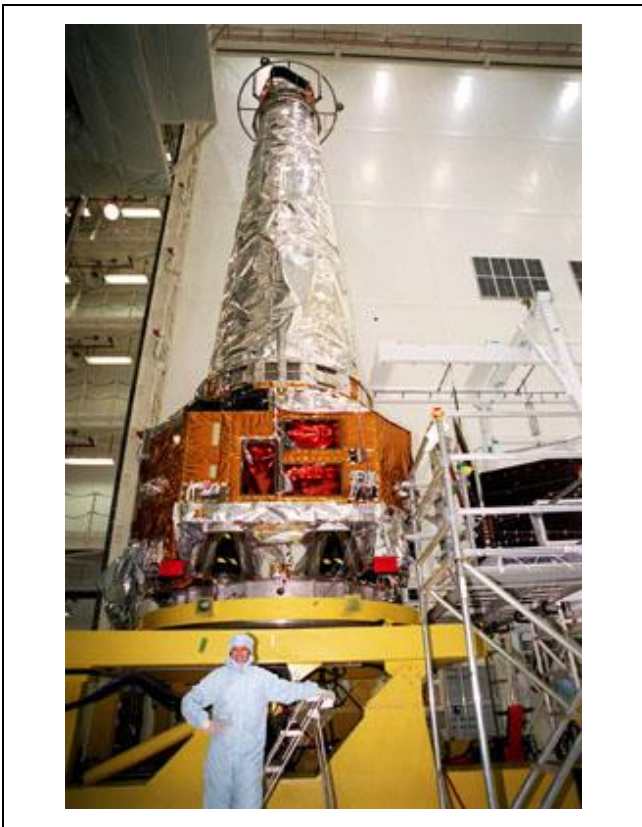
The FCC says the two-year rule applies for those seeking to obtain one of the desirable call signs being yielded or called back by the FCC, and Hollingsworth plans to specify a date of cancellation on each letter to a holder so that it will be clear when the two years are up.

"We're also going let them know they can't reclaim any of these call signs under former call sign holder exceptions to the two-year period," he said. Close relatives also would be unable to claim any of the call signs in the future.

STS-93 News

Word from NASA is that the next Space Amateur Radio EXperiment mission--and the only one scheduled for 1999--has been scheduled to launch on July 20 at 0436 UTC aboard shuttle Columbia mission STS-93. The shuttle mission, which will carry the Chandra Observatory into orbit, has been delayed several times already. The STS-93 Mission Commander is Eileen M. Collins, KD5EDS. Also aboard will be Mission Specialist Michel Tognini, KD5EJZ, and Mission Specialist Catherine G. Coleman, KC5ZTH. Students at five schools--in Texas, Rhode Island, Virginia, and Florida--are on the list to talk to the STS-93 crew via Amateur Radio.

<http://www1.msfc.nasa.gov/NEWSROOM/chandra/chandra.html>



July Contests

2 nd weekend	IARU HF World Championship
2 nd weekend	CQ World Wide VHF Contest
2 nd weekend	Internet Six Meter Contest
3 rd weekend	Six Club Summer Sprint

August Contests

1 st weekend	ARRL UHF Contest (440 and above)
3 rd weekend	ARRL 10 GHz Contest

ARRL June VHF QSO Party

The June VHF QSO Party was held the weekend of June 12 and 13. This is the biggest VHF/UHF contest of the year and is usually when VHF propagation is the best. Unfortunately it is also two weeks before Field Day which makes it difficult to get a club effort put together for it. I operated off and on from home over the weekend, and I heard a lot of activity on 2m and 440. From what I heard, it did not sound like there were any spectacular openings on 6m, but people were regularly making contacts into northern California on 2m. My best contacts were with XE2/N6XQ who was in Ensenada, grid square DM11. He was S7 on 2m SSB, but barely readable on 70cm SSB.

W6TRW QSL Card on QRZ Web Site

Check out our QSL card and club description on the QRZ web site. <http://www.qrz.com> is a free web site that searches the FCC call sign database. It is great for getting addresses to mail QSL cards. They also now allow you to send in a photograph or QSL card and a biography to go with your call sign, and you can list your e-mail address and a web page address. It is a great way to make it easy for hams to find you.

ARRL Site Has Classified Ads

The ARRL web site now has free classified ads for buying and selling ham gear. Check it out at <http://www.arrl.org/ads/RadiosOnline/>

TRW AMATEUR RADIO CLUB

ELECTED OFFICERS

President	Greg Shreve	KE6YEX	201A/3009	(310) 812-2079
Vice President	Elizabeth Kunkee	KS4IS	D1 / 1024	(310) 813-0524
Secretary	Craig Gullickson	N6ED	R6 / 2529F	(310) 812-5389
Treasurer	Steve Lambert	KQ6ZC	R6 / 2529	(310) 812-5019

APPOINTED STAFF

447 Repeater Autopatch	Duane Park	WA6EIK	R8 / 2778A	(310) 813-4219
Activities Chairman	Greg Martens	N6RRY	M1 / 1275	(310) 813-4049
Crosstalk Editor	Duane Park	WA6EIK	R8 / 2778A	(310) 813-4219
Emer. Comm. Coordinator	Wendell Young	KE6ASC	R5 / 1060B	(310) 813-7691
Librarian	Steve Papa	KO6VF	O2 / 1715	(310) 812-5305
Membership Chairperson	Dave Nelson	AB6DU	R8 / 2144	(310) 813-9775
Past President	Rich Sauer	N6CIZ		
Publicity Chairperson	Dave Nelson	AB6DU	R8 / 2144	(310) 813-9775
QSL Manager	Bryan DeAro	KN6OW	120 / 1020B	(310) 812-4789
S.P. Packet/Internet Sysop	Chris Wachs	WA2KDL	M4 /	(310) 813-1506
SEA Representative	Nina Whiddon	KN6FL	01 / 2020	(310) 813-9351
Swap Meet Manager	Greg Martens	N6RRY	M1 / 1275	(310) 813-4049
Technical Chairperson	John Cheatham	KE6OJM	R9 / 2477	(310) 813-5903
Training Chairperson	Bryan DeAro	KN6OW	120 / 1020B	(310) 812-4789
Trustee of W6TRW License	Elizabeth Kunkee	KS4IS	D1 / 1024	(310) 813-0524

TRW ARC Hotline (Club Answering Machine) (310) 813-8569
W6TRW 2 Meter Repeater (Open Repeater) 145.32 (-600) PL 114.8Hz
W6TRW UHF Repeater (Open Repeater / Closed Autopatch) 447.00 (-5 MHz) PL 100 Hz
W6TRW-3 Packet Radio Internet Gateway and BBS (1200 Baud Port) 146.745 (-600)
W6TRW Internet Home Page <http://www.w6trw.ampr.org/w6trw/>

TRW Amateur Radio Club
S/1156
One Space Park
Redondo Beach, CA 90278

FIRST CLASS

Deliver To:

