



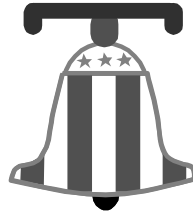
# CROSSTALK



News Bulletin of the TRW Amateur Radio Club

Volume 97 Number 7

July 1997



## Editor's Notes:

Happy 4<sup>th</sup> of July, I hope everyone will have/had a great holiday weekend. By the time you read this newsletter, Field Day '97 will just be a memory.... I'm hoping that someone will forward me some stories with photos of this exciting weekend for the club.

The club is still reviewing possible guest speakers for this year's Banquet, if you know of someone that would be good, please let me know.

Also, by this writing, the HF KLM should be back on bldg. S, I haven't heard much from Dave, AB6DU, but someone told me that it was scheduled to go back on top of the tower any day.

## Farewell W6FC

One of the most well known, and respected hams in the club, Frank Cartier, W6FC, or better known as WA6RAY is retiring this month. While his accomplishments are too numerous to mention, Frank can be thanked for being one of the founders of our famous TRW Swapmeet. He has filled every position on the Executive Board, probably more than once, and besides being the Swapmeet Manager, Frank lead the VHF Contesting effort, and has been the Trustee of the Club License. The club would like to wish Frank and Gwen (KD6YYW) the best of luck, and many happy travels.

## Some other happenings coming up:

**1997 IARU HF World Championship** July 12-13, 1997

**ARRL UHF Contest** August 2-3, 1997



And you thought you had the smallest HT...

Check this new rig from Yaesu.  
VX-1R

500 mW Power Output (1 watt w/ External Power Adapter), Wide VHF/UHF Multi-band Receive, 290 Memory Channels in 9 Groups, 6 Character Alpha-Numeric Display, Built-in CTCSS Encode/Decode, Built-in DCS Encode/Decode!, plus many other features....

**\*\*will be available July 1<sup>st</sup>**



# TRWARC Monthly Calendar of Events

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

## Reoccurring Events:

Every Monday Night (Except the 1st & Holidays)	7:30 pm	<b>Disaster Communication Systems (DCS) Net</b> DCS Members: Check in on 2 Meter Repeater
Every Wednesday	12:00 noon	<b>ECT Net on 2 meter Repeater</b>
Every Thursday Night	6:30 pm	<b>TRW Amateur Radio Club Net</b> The Bob and ? Show - Check In on 2 Meter Repeater
Every Friday Morning	7:30 am	<b>TRW Amateur Radio Club Breakfast</b> Building S Cafeteria - Everyone is invited Talk-in on 2 Meters

## Other Events

**Computer Fair** (previously The Computer Marketplace Computer Shows) **Hours: 10:00 to 17:00**

**POMONA** \$8 admission

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

July 19 & 20 (Sat. & Sun.)

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 admission

July 12 (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 admission

July 13 (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

**Don't forget: ACP Super Sale (ACP Computer Swapmeet) July 27th**

### Other Ham Swap meets:

**Inland Empire ARC** - 2nd Sat. ea. mo. @ A.B. Miller High School, Walnut & Olenander in **Fontana** - Talk-in 145.480 (-600 pl=77.0hz)

**CMRA** - 3rd Sat. ea. mo. @ DeVry Institute, 901 Corporate Center Dr. **Pomona** - Talk-in 146.175 (+600)

**El Cajon ARC** - 1st Sat. ea. mo. @ Santee Drive-in Theater, Woodside Ave. @ Hwy 67 in **Santee**

## **SEVENTEEN SCHOOLS ON STS-94 SAREX SCHEDULE**

*(Reprinted from the ARRL Letter Volume 16, Number 24)*

Thanks to SAREX -- the Shuttle Amateur Radio EXperiment -- students at 17 schools, including one in the People's Republic of China, are scheduled to talk with the astronauts on the upcoming STS-94 mission aboard the shuttle Columbia. STS-94 is a "refly" of the April STS-83 mission that had to be cut short when a problem developed in one of the shuttle's fuel cells. STS-94 is set to launch on July 1. During the earlier mission, Columbia prematurely returned to Earth April 8 without making any of the scheduled SAREX QSOs. Most of the schools on the earlier schedule remain on tap for the July mission, which will again carry the microgravity science lab. Three hams are among the STS-94 crew members. They are Jim Halsell, KC5RNI, the mission commander; Janice Voss, KC5BTK; and Donald Thomas, KC5FVF.

Under the SAREX program, students at each of the selected schools ask questions of the astronauts during the contact. The primary goal of SAREX is to excite students' interest in learning.

Schools selected by the SAREX Working Group for a ham radio contact during this mission include: Mountain View Elementary School, Prescott Valley, Arizona; Center Street School, El Segundo, California; Lone Junior High School, Jackson, California; Foursquare Radio Amateur Youth, Oxnard, California; Crittenden Middle School, Mountain View, California; Robert J. Burch Elementary School, Tyrone, Georgia; Edgewater High School, Orlando, Florida; Lexington Traditional Magnet School, Lexington, Kentucky; Discovery Place Inc, Charlotte, North Carolina; Lawrence Intermediate School, Lawrenceville, New Jersey; Yeso Elementary School, Artesia, New Mexico; Public School No 9, New York, New York; Du Bois Middle School, Du Bois, Pennsylvania; Dunn's Corners Elementary School, Westerly, Rhode Island; Alvin C. York Agricultural Institute, Jamestown, Tennessee; S.J. Davis Middle School, San Antonio, Texas; and Tsinghua University, Beijing, People's Republic of China.

During most SAREX missions, many of the crew members will make random contacts with earth-bound hams. This crew will use KC5RNI, KC5BTK and KC5FVF on FM voice and W5RRR-1 on packet. They make these contacts during their breaks, before and after meal time, and during their pre-sleep time. In fact, over the past years the astronauts have contacted thousands of amateurs around the world. On many missions, they have even carried a 2-meter packet radio station. Innovative computer software allows the crew to operate the packet gear in an "unattended" mode, allowing amateurs to make contacts with the ROBOT station when the astronauts are working or sleeping.

The SAREX Working Group has designated the following frequencies during this mission. FM voice downlink (worldwide): 145.55 MHz; FM voice uplink (except Europe): 144.91, 144.93, 144.95, 144.97, and 144.99 MHz; FM voice uplink (Europe only): 144.70, 144.75, and 144.80 MHz; FM packet downlink: 145.55 MHz; FM packet uplink: 144.49 MHz.

Hams should avoid transmitting on the shuttle's downlink frequencies. The uplink is your transmitting frequency. The crew will not favor any uplink frequency, so your ability to communicate with SAREX will be the "luck of the draw." Transmit only when the shuttle is within range of your station, and when the shuttle's station is on-the-air.

QSLs go to ARRL EAD, STS-94 QSL, 225 Main St, Newington, CT 06111-1494. Include the following information in your QSL or report: STS-83, date, time in UTC, frequency and mode (FM, voice or packet). You must also include a business-sized SASE.

Additional STS-94 mission information is available from NASA at the NASA Shuttle Web site, <http://shuttle.nasa.gov>. --Glenn Swanson, KB1GW

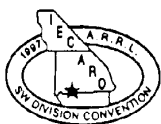
## **NEW YORKER'S HAM TICKET SUSPENDED FOR 15 MONTHS**

*(Reprinted from the ARRL Letter Volume 16, Number 24)*

The FCC has suspended the Technician Class license of a ham in Brooklyn, New York, for causing willful or malicious interference, using obscene or indecent language and failure to identify. The licensee, Anthony Barben Jr, N2WNF, consented to a 15-month suspension which resulted from the FCC's efforts to resolve a rash of interference cases in the New York City-Long Island area. The FCC said the violations occurred in November 1996.

The FCC's Enforcement Division has requested that Barben forward his license to the Commission. The suspension became effective this week.

The Inland Empire Council of Amateur Radio Organizations Presents The



## ARRL SOUTHWESTERN DIVISION CONVENTION



This year's theme, *Hi Tech - Hi Touch* explores Ham Radio's role in the exploding technologies involved in the information revolution.

### HAMCON '97 THE WEEKEND OF SEPTEMBER 12, 13, & 14, 1997

**GRAND BANQUET SPEAKER:** Astronaut **Dr. Ron Sega**, KC5ETH, Colonel in the United States Air Force Reserves. Dr. Sega left NASA on July 1, 1996 to become Dean of the College of Engineering and Applied Science at the University of Colorado at Colorado Springs, Co.

Colonel Sega was a Mission Specialist on shuttle mission STS-60, launched on February 3, 1994, the first joint U.S./Russian Space Shuttle Mission. From November 1994 to March 1995 he was the NASA Director of Operations, at the Gagarin Cosmonaut Training Center in Star City, Russia. He was also a Mission Specialist on Atlantis shuttle mission STS-76, launched on March 22, 1996, the third docking mission to the Russian space station Mir. Among other things, this shuttle mission included transporting the first U.S. woman astronaut to spend time on board the Mir, Dr. Shannon Lucid. KC5ETH was the Payload Commander for this mission and lead astronaut on Biorack, a small multipurpose laboratory located in the space lab module used for technology development, fundamental research into plant and animal cellular function, and environment characterization.

**DX BREAKFAST:** **Dr. Vince Thompson**, M.D., K5VT, will host the DX breakfast on Sunday morning. K5VT is well known for his DX activities in the ham radio community. He put on a fascinating program at last year's ARRL Convention held in Arizona covering his DXpedition to Benin, TY5A.

**ADDITIONAL HIGHLIGHTS:** **Dave Bell**, W6AQ, as Master of Ceremonies at the Grand Banquet ~ Featured Speakers ~ ARRL Conferences ~ Ladies Programs ~ **VE TESTING** ~ Prizes Galore ~ **YOUTH ACTIVITIES** ~ Swap Meet and T-Hunt on Sunday ~ **WOUFF HONG** ~ **EXHIBITS**, all of the major manufacturers and distributors ~ and much, much more.

For details and information contact Joe Magaditsch, KO6XB, Sect - Treas, IECARO at:

TELEPHONE: 909-685-7441 OR WRITE: IECARO  
FAX: 909-360-3484 9244 Big Meadow Rd.  
Pedley, Ca. 92509-4972

E-Mail <http://www.ham-radio.com/hamcon/>

**TALK- IN FREQUENCIES:** Two Meters, 146.880 (-) PL 146.2 (Local)  
146.850 (-) (Wide area)  
1.25 Meters, 224.340 (-) PL 156.7 and UHF 448.075 (-) PL 156.7 (Wide area)

**REGISTER EARLY TO SAVE MONEY AND RECEIVE A FREE LOGO PIN**



# HAMCON '97 ARRL SOUTHWESTERN DIVISION CONVENTION



**THE RIVERSIDE CONVENTION CENTER AND HOLIDAY INN, ONE BLOCK NORTH OF THE HISTORIC MISSION INN, 5TH STREET BETWEEN MARKET AND ORANGE, DOWNTOWN RIVERSIDE ~ SEPTEMBER, 12, 13, 14, 1997**

**HOTEL INFORMATION:** (Prices do not include state tax or Riverside city room/bed taxes.)  
Be sure to make your reservations as early as possible (space is limited), and mention you are with the American Radio Relay League to get the special convention rates.

**HOLIDAY INN** 3400 Market Street, Riverside, California 92501  
\$ 62.00 Single / Double, \$ 72.00 Triple / Quadruple Occupancy  
For reservations call: (909) 784-8000

**MISSION INN** 3649 Seventh Street, Riverside, California 92501  
\$ 69.00 Single / Double Occupancy. \$ 15.00 for additional except children under 18 years stay free with adults.  
For reservations call: (800) 843-7755 or (909) 784-0300 ext. 850

**COURTYARD MARRIOTT** 1510 University Ave., Riverside, California 92507  
\$ 59.00 Single / Double, \$ 69.00 Triple / Quadruple Occupancy  
For reservations call: (800) 321-2211 or (909) 276-1200

**HAMPTON INN** 1590 University Ave., Riverside, California 92501  
\$ 57.00 Single / Double Occupancy  
For reservations call: (800) 426 7866 or (909) 683-6000

**RANCHO JURUPA R.V. PARK** 4600 Crestmore Road, Riverside, California 92519 (CENTRALLY LOCATED)  
\$ 16.00 per day for two people, \$ 1.00 each additional up to six per site.  
For reservations call: (800) 234-PARK or (909) 684-7032 for more information.

Return the form below to: Joe Magaditsch, KO6XB ~ 9244 Big Meadow Road  
Pedley, California 92509-4972 ~ FREE LOGO PIN WITH EARLY REGISTRATION!

-----Fill in, Cut off and return this form -----

Name \_\_\_\_\_ Call \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Additional Guest \_\_\_\_\_ Call \_\_\_\_\_

	QUANTITY	TOTAL
EARLY BIRD REGISTRATION [by May31, 1997]	_____ @ \$ 10.00	\$ _____
PRE-REGISTRATION (from 5-31 to 8-31, 1997)	_____ @ \$ 12.00	\$ _____
GENERAL REGISTRATION (after 8-31-97, 1997)	_____ @ \$ 15.00	\$ _____
BANQUET ( Limit 500 )	_____ @ \$ 25.00	\$ _____
LADIES LUNCHEON	_____ @ \$ 15.00	\$ _____
SUNDAY DX BREAKFAST	_____ @ \$ 15.00	\$ _____

Make checks payable to IECARO, and please do not put more than two people on one form. TOTAL \$ \_\_\_\_\_

# TRW AMATEUR RADIO CLUB

## ELECTED OFFICERS

President	Bob Briggs	KD6WYQ	R8 / 2188	(310) 813-2622
Vice President	Pat Anderson	KB6YPI	R7A /1265	(310) 813-6874
Secretary	Nina Whiddon	KN6FL	O1 / 2070	(310) 813-9351
Treasurer	Jan Parker	KD6AKD	R4 / 2058	(310) 812-1081

## APPOINTED STAFF

Activities Chairperson	Greg Martens	N6RRY	M1 / 1275	(310) 813-4049
Crosstalk Editor	Duane Park	WA6EIK	M2N / 1368B	(310) 813-4219
Emer. Comm. Coordinator	Duane Park	WA6EIK	M2N / 1368B	(310) 813-4219
Librarian/Asst. Postmaster	Steve Papa	KO6VF	M5 / 1263	(310) 812-5305
Membership Chairperson	Jerry Dean	WA6GVO	R2 / 1036	(310) 812-0770
Past President	Frank Cartier	W6FC		
QSL Manager	Bryan DeAro	KN6OW	120 / 1020B	(310) 812-4789
447 Repeater Autopatch	Pat Anderson	KB6YPI	R7A /1265	(310) 813-6874
SEA Representative	Elizabeth Kunkee	KS4IS	D1 / 1024	(310) 813-0524
Swap Meet Manager	Rich Sauer	N6CIZ	R9 / 2849	(310) 813-5869
SYSOP (Telephone BBS)	Ron Hoffman	KE6OJD	M4 / 2031C	(310) 814-9126
Technical Chairperson	John Cheatham	KE6OJM	R9 / 2838	(310) 813-5903
S.P. Packet/Internet Sysop	Chris Wachs	WA2KDL	R7A / 2100	(310) 813-1506
Training Chairperson	Bryan DeAro	KN6OW	120 / 1020B	(310) 812-4789
Trustee of W6TRW License	Elizabeth Kunkee	KS4IS	D1 / 1024	(310) 813-0524

TRW/ARC Telephone Computer BBS (24 hrs, 300-14,400 Baud, 8-N-1) (310) 768-3399  
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://w6trw.sp.trw.com/w6trw/>

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

**FIRST CLASS**

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