



# cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



AUGUST 1983

FD '71  
WAS FD '73  
WAC FD '75  
FD '76

**Garrett/W6TRW 2-Meter Repeater: 145.32 Receive -- 144.72 Transmit (2A-PL)**

**TRW UHF Repeater: 447.000 Receive -- 442.000 Transmit**

## CALENDAR FOR JULY AND AUGUST

August 27, 8-11 am	Swapmeet.
August 30, Noon	Club Meeting, R4/1041.
Sept. 2-4	ARRL Southwest Division Convention, Anaheim.
Sept. 10,	TRW Family A'Fair. TRW ARC will have a booth and will provide communications; bring your HT along.
Sept. 13, Noon	Picnic at Pollywog Park--it's on the club this time.
Sept. 13, after work	Executive Board Meeting. All members are welcome.
Sept. 24, 8-11 am	Swapmeet.
Sept. 27, noon	Club Meeting.

## NOTES FROM THE EDITOR -- Phyllis Gilmore, KE6TC

A memorial auction to benefit the family of silent key Dave Ferone (W6KOS) will be held on September 17 at 10 am at the Orange YWCA, 146 Grand Avenue, Orange. Test equipment, signal generators, repeaters, handtalkies, 400 MHz equipment, etc. will be for sale. The equipment can be tested on-site. An inventory sheet will be available at the auction, and possibly also at our Swapmeet on Saturday.

Bill Dews reports that badges are available for K7JAJ, W6RTG, W6FQ, and KG6CR.

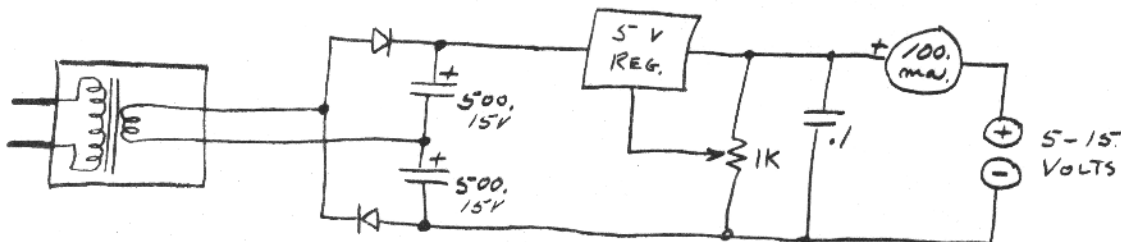
The club welcomes new member Gregg Ferguson (KA9IGB).

For those of you who don't know, C & A Roberts, Inc., now has a new store, located at 18511 Hawthorne Blvd., Torrance. The phone number is 370-7451. Art is an old friend of our club.

## NOTICE -- Gary Komatsu (K6HPD) Activities Chairman

The telephone in the TRW/ARC radio shack is **STRICTLY** for local calls. There has been one violation already (unknowingly, by one who does not attend club meetings), which made this notice to the membership necessary. Please remember that the telephone is there but for the grace of a member we have prevailed upon. Don't abuse that privilege! Also, there will be a sign on the telephone, "LOCAL CALLS ONLY."

## BATTERY CHARGER/POWER SUPPLY -- Jim Richardson, K6PDR



I use this circuit to keep the battery charged in my hand-held, whether it is turned on or off. (As me for a free 5-volt regulator.)

## MEETING MINUTES -- Walt Pearson, N6DZM

General Meeting, 28 June 1983

Twenty-three people attended. Vice President Fred Garrett conducted the meeting in the absence of President Bill Rodner. The financial statement was read and the prior meeting minutes were approved as printed in the July Cross Talk, with a change in the date of the Family A'Fair to 10 September.

Vice President Fred Garrett led a discussion of the direction future club activities should take. A manager is needed for all the major activities. The following items were discussed:

1. Training courses for upgrading of licenses. John Keller volunteered to teach.
2. Member equipment tune-up sessions.
3. Club Oscar project. Oscar will be operational in about two weeks, and we need to get the club equipment operational. A party was organized to complete the installation. An open house-demonstration will be held at a future date.
4. Club station. A list of equipment should be prepared and distributed to members. A telephone for control of equipment has recently been installed. Volunteers are needed for an antenna party to be held in the near future to upgrade the club system. Ed Thornley (W6RXD) offered to donate two SWR bridges to the club.
5. Field Day. Activities Manager Gary Komatsu has purchased two 20-foot aluminum antenna towers for the club.

Other activities, including a technical group, will be considered. Priorities will be identified. All members are urged to volunteer their efforts to the activities of their interest.

The door prizes were two-meter and 430-450 mobile antenna kits, two 1983 ARRL handbooks and two clock pens.

After the meeting, a committee, chaired by Vice President Fred Garrett, discussed the HF antenna to be procured for the club station. A KLM KT-34XA antenna and Tailtwister rotator were decided upon. Trustee Bob Hume will get the best price and make the purchase.

Executive Board Meeting, 12 July 1983

Attending were Bill Daley, Bill Dews, Fred Garrett, Dave Gilmore, Jim Hill, Bob Hume, John Keller, Gary Komatsu, Walt Pearson, Jim Richardson, and Bill Rodner.

The meeting was called to order by President Bill Rodner. John Keller was congratulated on passing the Novice examination yesterday.

Vice President Fred Garrett announced that the next General Meeting on 30 August will feature Chris Wachs (WA2KDL), with a talk on the Oscar station, and John Orr (KX6A), with a demonstration of code keyer and reader.

Acting for Treasurer Connie Gilmore, Fred Garrett stated that the SEA support had been received and the treasury is in good shape. Meeting minutes were approved as printed in the July Crosstalk, with the change of the Family A'Fair date to 10 September.

Activities Manager Gary Komatsu reported on the two twenty-foot towers (four ten-foot sections) purchased for Field Day. The Oscar antenna installation was completed and checked out. A picnic is scheduled for noon at Polliwog Park on 12 August.

Trustee Bob Hume reported that the KLM KT-34XA antenna and Tailtwister rotator have been purchased and delivered. An antenna party is being planned; volunteers are needed -- call Bob to offer your services.

LAACARC Delegate Bill Daley stated that the next meeting will be on the first Tuesday in September. Paul Weisz, (K6YQ) will be asked to report in Bill's absence.

Emergency Coordinator Dave Gilmore advised that fifteen two-meter hand-held transceivers are easily accessible for use during drills, from Security in Building S. A procedure for checkout will be written. The radio club has not been included in any recent evacuation drills.

Membership Chairman Bill Dews had a list of club members and described how the list can be obtained from a time-share terminal. Bill will be ordering more club badges shortly.

Acting swapmeet chairman Jim Hill reported that the concession is working very well. There will be an auction of donated items at the October swapmeet, which Bill Dews will help organize. Three or more volunteers are needed at the close of each monthly swapmet to help carry the donated items to be stored.

## MEETING MINUTES, CONT.

President Bill Rodner appointed Jim Richardson (K6PDR) to a new position of Technical Chairman. A charter of club technical activities will be prepared. Jim is looking for needed equipment to be available on loan to members. He will investigate and make recommendations for acquisition. The meeting adjourned after a general discussion of equipment to be considered for purchase.

## OSCAR NEWS -- Gary Komatsu (K6HPD)

Saturday, August 7th, was another D-Day for the TRW/ARC. The Oscar station was wired and checked out on both the 430 MHz and 144 MHz cross-polarized antennas. The transverter (barefoot and with the 100 watt amplifier) worked as predicted, and several local contacts were made. The signal level and antenna polarization were checked. Chris Wachs and John Keller did a fantastic job in helping get the station on the air.

Please do not use the Oscar set-up until you have been instructed by Chris Wachs or me. Also, Chris is setting up a set of instructions on "how to use" the equipment. This is necessary because we are using the TS 820 for dual purposes (low band and Oscar). So, kindly wait until we get things ready for the membership to enjoy.

**NEEDED:** 15 to 18 volt, 25 to 12 amp transformers (115v AC input) at reasonable price, or swap similar with lower capacity. Also, would like to borrow (or buy) Shure 444D, 414A, or 404 mic. George, x51843, M5-1170

## CW AT CAPE COD -- Bill Dews, K6AWO

I've just finished reading an article in 73 Magazine, and I want to pass it along to you. With all the nice, new digital equipment we have today, RCA still operates WCC with a crew of eight operators per shift, moving 900 messages a day--most of them in CW. They're working ships at sea, and a modern shipboard satellite terminal can cost a ship owner \$50K -- so the owners will stick with CW for a while.

Besides CW, WCC uses SITOR (Simplex Telex Over Radio), which costs about \$9 for three minutes between American-equipped ships and their home offices, while the CW cost is based on 53¢ per word.

They load 10 kilowatts of RF into dipoles, doublets that can hear and talk to any place in the world. The building has been in use since 1914, and you may visit WCC between 8 am and 4 pm. Try to arrange visits one day in advance.

For more details, check out the July 73 Magazine.

**DID YOU KNOW?** It's still true--you get a free door prize ticket if you wear your TRW/ARC badge to club meetings. If you don't have one with your current call on it, drop Bill Dews a check for \$2.00, along with your name and call. Wear them at Swapmeets and picnics too.

## HAMS IN SPACE -- Phyllis Gilmore, KE6TC

Amateur radio has been in space for a long time (see article above). But when STS-9 finally lifts off, an amateur will be personally carrying his hobby into orbit for the first time. Astronaut Owen Garriott (W5LFL) will be packing along a specially-designed 2 meter handtalkie and an antenna that will fit into one of the shuttle's windows.

With NASA's full permission, he'll be contacting hams around the world during his free time, about five hours tucked in between rest and work. Because of the short time available and the number of amateurs who will attempt to make contact, only the barest communication will be possible: Garriott will give a CQ and listen, then report back on who he heard. The ARRL will be sending special QSL cards to those who contact him and to those who can report hearing him (given a time and signal report).

Garriott's station will technically be a satellite. The rules say that such a station must be licensed to an Extra and that lengthy advance notice must be given. Garriott is an Advanced class licensee, and NASA didn't give permission in time for the advance notice, so the FCC had to bend its rules a little.