



CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

ARRL Club No. 1658

OCTOBER 1987

★★ FD'71 ★★ FD'73 ★★ FD'75 ★★ FD'76 ★★ WAS ★★ NAC ★★

Garrett/W6TRW Repeater: 145.32/- .600 (2A-PL) -- UHF: 442.000in/447.000out

CALENDAR FOR OCTOBER AND NOVEMBER

Friday	Every Friday	Club Breakfast in the Bldg S Cafeteria. Anytime after 7 AM.
Wednesday	Every Wednesday	Emergency Communications Team Check-in. Noon on 145.32 MHz.
Saturday	Oct 31, 8-11am	Swap Meet, Northwest corner of Compton/Marine and Aviation behind the Chevron station. NEW RULES EFFECTIVE DECEMBER! See details inside for information on BIG changes coming up
Tuesday	Oct 27, noon	Club Meeting, R2/1055. Vice President Steve O'Neal promises a surprise for this meeting!! Don't miss it!!
Thursday	Nov 5, after work	Executive Board Meeting. All members are welcome! At Pizza Hut, 926 N. Sepulveda Blvd., Manhattan Beach.
Saturday	Nov 14, 6:00pm	TRW/ARC Annual Club Dinner. Del Conte's Restaurant. Guest Speaker will be Chuck Lobb - Travels to South America. Details inside -- this is your ONLY announcement!!!
Tuesday	Nov 24, noon	Club Meeting, R2/1055. Nomination of Club Officers for '88
Saturday	Nov 28, 8-11am	Swap Meet. Prepare to make advance reservations this month.

ATTENTION AMATEUR RADIO CLUBS

Two important articles appear in this month's newsletter concerning the operation of the TRW/ARC Swap Meet. One lists the new rules (preliminary but not expected to change) and the other by Frank Cartier, W6GRAY, the Swap Meet Manager, explains why the changes are coming about. Please get these articles into your club newsletter and talk about them on your repeater or during your club nets. The more the information gets around the easier our job will be to implement the changes. We are not trying to "make money" by charging sellers to participate, but we must cover the costs of the mandated forms the sellers will be required to fill out at each Swap Meet.

ATTENTION TRW/ARC CLUB MEMBERS

In this month's Crosstalk there is an announcement about the Annual Dinner to be held on Saturday Nov 14th. This is the only announcement you will receive on this matter so please make your reservations soon. Reservations should be made with Dave Stockwell, W6ATK, R3/2148, 535-3925, no later than Friday November 6th.

Changes in the operation of the Swap Meet require us to get members to make a commitment of about 6 months to help with the Swap Meet. Not all help required will involve Saturday morning work, but due to more complex rules, will require persons with experience. See the article.



Swap Meet Notes

Frank Cartier, W6GRAY

Beginning at the December 1987 Amateur Radio Club Swap Meet which will be held on Saturday, 26 December, a major change in the operation of the Swap Meet will occur. The reason for the change is to comply with the laws of the State of California and the TRW Systems Employee Association (SEA) rules and requirements. In order to comply with these requirements, we will have to charge a seller's fee in order to cover the administrative and operating expenses. In return, however, the selling participants will receive a number of convenient features. Among these features are specific space assignments that can be purchased in advance. This will allow sellers to know exactly where they will be located each month and can avoid waiting in line during the night before the Swap Meet and the mad rush to find that "perfect" space when the Swap Meet opens at 0700. This will also help ensure the continuation of the Swap Meet, since the local residents and TRW are not very pleased about the overnight campers in front of homes and/or TRW property. The detailed rules, regulations and fees are provided on a separate page in this issue of the Crosstalk.

With the exception of space reservations and fees, the basic approach to the Swap Meet is the same. It is primarily for the benefit of the Amateur Radio community, and as you will see from the sellers fee schedule, the preference is given to Amateur Radio operators and TRW/ARC members. Only amateur radio equipment and related electronic equipment is allowed. No general merchandise, electronic toys, or food of any kind. Related electronic equipment includes computer hardware and software, electronic parts, test equipment, tools and Amateur Radio accessories. We have always taken a broad view of "Amateur Radio related," but the judgment of the Swap Meet crew will always be final.

The TRW Amateur Radio Club Swap Meet has become a Southern California Amateur Radio institution and an event many people look forward to each month. It has grown to its current full capacity because it provides the Amateur Radio operators with an opportunity to obtain items for their stations that otherwise might be difficult or impossible to find at sometimes bargain prices. Our intention is to provide a quality event and we hope everyone who has been involved in the past will continue to support it and the new requirements we must

abide by.

At the next two Swap Meets, on Saturday October 31 and Saturday November 28, we will have a booth set up near the main entrance for advance space reservations and additional information. In the meantime, and between Swap Meets, information and reservations can be obtained by mail on a first come, first serve basis. The address for **Swap Meet information/reservations ONLY** is:

TRW ARC

P.O. Box 3525

Manhattan Beach, CA 90266

Enclose with each space reservation request the appropriate fee for your category along with a copy of your TRW/ARC Club card (if applicable) and your Amateur Radio license. Also required is your Driver's License number, telephone number (for confirmation) and your address.

The Swap Meet operating hours will remain the same -- 0700 to 1130.

73, See you on October 31st.

The TRW/ARC Swap Meet Needs YOU!!

There are big changes coming about in the operation of the TRW/ARC Swap Meet and these will require a bigger work force than we have needed in the past. It also means that we will need a work force that has some experience and month to month continuity that has been lacking in the past. Several ideas have been put forth and they all add up to we need more help from our membership, but we will now be able to reward the commitment you will be required to make. Due to the fact that we are now charging sellers for the privilege of operating at the Swap Meet, we will be able to afford a modest gift for those who decide to help for a few months with the Swap Meet. The exact nature of the gift has not been determined due to the fact that it will take us a few months to sort out our income versus expenses and determine the cash flow we will have. However, if you are interested, contact the Swap Meet Manager, Frank Cartier, W6GRAY, and let him know that you are ready to help out in any way you can. Frank can fill you in on the details when he talks to you. We are looking for persons that will handle mail reservations, cash at the Swap Meet, database updating, handling of the State of California forms for the sellers and two crews of Swap Meet workers - one early and one late morning. Call Frank at 536-3171 now if you wish to help.

TRW AMATEUR RADIO CLUB
SWAP MEET RULES AND REGULATIONS

- 1) Sellers will be assigned specific spaces - 371 "single" spaces - 26 "end" spaces.
- 2) Spaces can be purchased 6 months in advance.
- 3) Sellers who buy 6 months in advance will be allowed right of first refusal after that time.
- 4) Amateur radio and radio/computer electronics related items only -- no general merchandise, toys and no food items.
- 5) Sellers lot opens at 0700. No one allowed on TRW property until 0630.
- 6) Sellers lot closes at 1130.
- 7) Sellers will be required to purchase a ticket for each specifically assigned space(s) and hold their tickets for space verification by the Swap Meet crew.
- 8) Walk-in buyers are not charged an entry fee.
- 9) No more than 3 spaces per seller.
- 10) Spaces not occupied by 0830 will be subject to resale for that day.
- 11) Sellers must complete and sign:
 - a) State of California Information Report.
 - b) TRW Release Form.
- 12) No refunds due to weather conditions or any other reason.
- 13) Waiting list for "high demand" spaces will be maintained.
- 14) Drivers license for identification is mandatory.
- 15) Checks will be accepted only for advance reservations. Cash only on date of the Swap Meet at the entrance.
- 16) Certain vehicles will require a minimum of 2 spaces: examples are:
 - a) Cars/trucks with trailers
 - b) Motor Homes
 - c) Large Vans
 - d) Panel Trucks
 - e) Specialized vehicles
 Decisions by the Swap Meet crew on the number of spaces required is final.
- 17) One complete row (not including "end" spaces) will be reserved for Amateur Radio operators only (copy of license required).
- 18) One complete row (not including "end" spaces) will not be sold in advance.
- 19) All transactions on a first come, first serve basis (except as noted above).

20) Rate Schedule:

	1st Space	2nd Space ADD	3rd Space ADD
a) Regular TRW/ARC Member with an Amateur Radio License (Club Card & License Required)	FREE	\$2.00	\$10.00
b) Associate TRW/ARC Member with Amateur Radio License (Club Card & License Req'd)	\$2.00	\$3.00	\$10.00
c) Amateur Radio Operator	\$3.00	\$5.00	\$10.00
d) Non-Amateur Radio Operators	\$5.00	\$8.00	\$10.00
For one of the 26 "end" spaces, add \$10.00 to the above rates.			
21) Rates are subject to change. Spaces paid for in advance not subject to change for those dates.			
22) Sellers participation is a privilege, not a right. Sellers are the guest of the TRW Systems Employees Association (SEA) and the TRW Amateur Radio Club.			
23) Anyone not complying with the letter and intent of these rules will not be allowed to participate.			

General Meeting 29 Sept 1987

Dave Stockwell, W6ATK

President Chris Wachs opened the meeting. Phineas Icenbice, W6BF, is the new Los Angeles Section Manager and was in attendance along with Southwestern Division Manager Fried Heyn at the meeting. W6BF can be found at 14.160 MHz at 2100 hours or at (818) 349-3186 by land line.

Our guest speaker was TRW/ARC member John Horvath. He showed us several different types of oscillator designs that will span a wide range of VHF and UHF frequencies. His favorite is one he calls the Hungarian Oscillator, so named because he is originally from Hungary.

The Club is looking for someone to help the ARRL for the Swap Meet. The ARRL is looking for a place within TRW to store ARRL items that will be sold at the Swap Meet. If you can make this once a month commitment please contact any of the Executive Board members. The meeting room was well filled and several different door prizes were awarded to lucky ticket holders, including John Keller, Irv Emig and Bill Schrecengost. Sorry about running out of door prize tickets! Next meeting will be on Tuesday, October 27th at noon in Building R2, Room 1055.

Executive Board Meeting 1 Oct 1987

John Keller, N6JLS

In attendance were: Mike Aust, Phil Bergeron, Frank Cartier, Paul Herbert, John Keller, Steve Ng, Steve O'Neal, Walt Pearson, Rich Sauer, Bill Schrecengost, Dave Stockwell, Chris Wachs and Jim Wike. President Chris Wachs opened the meeting and noted that much had to be discussed this evening and cautioned all not to get into verbal free-for-alls, but wait your turn to speak. LAACARC Delegate Steve Ng requested that copies of the new Swap Meet rules that were to be worked out this evening get to him before the November 3rd meeting of the LAACARC so that he could take them with him and disburse them to the other clubs. Swap Meet Manager Frank Cartier went over the proposed changes to the Swap Meet rules asking all to wait until he had finished before commenting. Frank gave out several handouts of his proposed rules while he went over them. Following his presentation questions and statements were made by those in attendance, some of which were incorporated into the draft of new rules. When all of the discussion had ended Frank moved that the rules be adopted as amended. The motion was seconded by Jim Wike. The motion passed unanimously. Chris moved that the Club use P.O. Box 3525, Manhattan Beach 90266 as the mailing address for the Swap Meet, that the Club obtain a phone line and purchase a remote control phone answering machine to contain a Swap Meet information tape recording. The motion was seconded by Steve O'Neal. The motion passed unanimously. Vice President Steve O'Neal moved that \$150 be appropriated for the purchase of a phone answering machine. The motion was seconded by Chris Wachs and a short discussion followed. The motion was passed unanimously. Mike Aust requested that the Club purchase four lightning arrestors at a cost of \$45.50 each for protecting the repeater and ham shack equipment. The motion was seconded by Steve O'Neal and passed unanimously. Emergency Communications Team Coordinator Rich Sauer made a motion to purchase six Icom Battery Inserts at \$23 each. The motion was seconded by Frank Cartier and passed with one vote not in favor. Chris Wachs and Treasurer Dave Stockwell took responsibility for working on the Club Annual Banquet so that information would be ready for the next issue of the Crosstalk. Dave Stockwell passed out a "strawman" budget for the next year, trying to take into account the income

...more Executive Board Meeting.

and expenses that will result from the changes to the Swap Meet. Field Day Chairman Bill Schrecengost, already thinking about next year, proposed to purchase some motion sensing lights for use at the Field Day site to aid in identifying 4 wheel vehicles that might appear on the scene again. Bill also put forth the idea of Club jackets with name and logo on them. The meeting was adjourned at 1932 local time.

The Safety Net

(A Safety Alert from Industry)

Two recent incidents have uncovered a previously unknown phenomenon of serious gravity:

1. At Duquense Electric a worker threw an electrical switch into a closed position which produced a short lived spark.
2. An employee at UPS flipped open the colored lens of his welding shield to better position the welding rod. He inadvertently struck the metal to be welded, producing an arc.

BOTH MEN WERE WEARING CONTACT LENSES.

On returning home from work they removed the contacts and the Cornea of the eye was removed along with the lens. The result was **TOTAL BLINDNESS.**

The electric arc generates microwaves that instantly dry up the fluid between the eye and the lens, causing the cornea to be bonded to the lens. The trauma is painless and the individual never knows an injury has occurred until they remove the contacts.

At the time the incident was reported, the phenomenon was unknown to the Federal and State Safety and Health agencies and they did not have any safety regulations on the matter. They were pursuing the investigation zealously.

In the meantime it is suggested that no contact lenses be worn by anyone who is potentially subject to an electrical sparking situation.

Thanks to the Hughes ARC Bulletin who got it from the INTERMOD of the West Coast ARC.

Wanted -- For Sale -- Freebies

Wanted: The loan of manual for the Icom 22U (note: the U is important) and the manual for the Icom 280. Both are 2 Meter rigs. Only want to loan the manuals - they will be returned. Contact Mike Morris (213)535-3278 (work).

TRW/ARC Annual Banquet

The is the FIRST AND LAST announcement for the TRW/ARC Annual Banquet. It will be held on Saturday, November 14th in the King's Room of Del Conte's Restaurant, 2900 Pacific Coast Hwy, Torrance. We have obtained the multi-talented Chuck Lobb, KN6H, to be speaker for the evening. Chuck tells us that he will have a travel log of his extensive trip to South America, so let your YF know it won't be an evening of just "Hamming." Again this year you will have a choice of Prime Rib or Baked Chicken and the cost to Club members and their first guest will remain the same as last year at \$9.00 even though the cost to the Club is up \$1.75. Non-Club members and additional guests may attend for \$15.75. Don't forget that we will have door prizes and that everything is included in the price except alcoholic beverages which are extra. Please note that there is a \$150 minimum for the bar so don't be afraid to enjoy yourself. So get your check, the number of people attending, the choice of dinner(s) and an address and phone number to Dave Stockwell before Friday November 6th. Dave is at Mail Station R3/2148 or from outside TRW send it to:

TRW Amateur Radio Club
MS S/1435
One Space Park
Redondo Beach, CA 90278
ATTN: Dave Stockwell

Please act now and don't be left out. See you there on Saturday November 14th!

New Members -- Old Members

First let me clear up a mistake in last month's announcement. New member Wayne Bell was incorrectly identified as N6PLV. He is really N6PLU (Uniform, not Victor). N6PLV is also a TRW/ARC member and joined a couple of months ago. He is Dave Kropp. Sorry about the mix-up guys!

Welcome to the Club:

Marc Yacoubian, WD6FPU, holder of an Extra Class license. Marc has been a ham for 16 years and is an ARRL member interested in HF, VHF, UHF and computers and wants to help out with Field Day.

Bill Dews informs me that badges have been ordered for the following people and should be available at the next Club meeting: Tony, N6OAT; Wayne, N6PLU; Bill, KI6UJ; Wayne, KI6GM and Marc, WD6FPU.

Hope to see you at the next Club Meeting, Tuesday, October 27th at noon in R2/1055.

From the Library

George Lee, W6IOW

What's new in the October issues of:

QST: Alternate Energy -- An Overview of Options and Requirements.
Product Review of ICOM IC-275A 2M Multimode Transceiver.
Product Review of RF Concept RFC 2-317 2M Amplifier.

HR: Antenna Relay Sequencing
Z-Matching Technique

CQ: Building a Really Big Dummy Load
Review of Encomm Tokyo Hy-Power Lab Model HL-1K/A (500 Watt HF Amp.)
Build a High Gain Portable Antenna for VHF/UHF Operation (adjustable for 144, 220 and 450 MHz)

73: Review of ICOM IC-761
Alden Weatherchart FAX Receiver
Microwave Building Blocks: The Doubly-Balanced Mixer.
Gunn and IMPATT Devices
Satellite TV Rx Components
800-900 MHz, The Easy Way
Professional Troubleshooting Tricks

If you have missed the ARRL Networking Conference last month at TRW, we have a volume on the subjects presented at the conference in the Library for your reference use.

If you know of anyone who would like some old QSTs, please contact the Librarian.

Wanted -- For Sale -- Freebies

For Sale: 40 foot tower, rotor and beam. (No details or price given.) Contact Tom Miller, K6RXX (213) 320-2072

Tidbits from the Jolly Little S...!

Well, here I am squeezing myself into the last little bit of paper I have left. There is lots of good Club related info in this month's newsletter - READ IT!!

I got a nice note from Susan Kennedy, Carl Kennedy's wife, thanking me for sharing his letter to the Club. Those at TRW that would like to drop Carl a note can do so through Susan and TRW mail. Susan works for TRW in Sacramento and can be reached at mail station SAC4. Susan says that Carl will have to hide his antenna as the place where they are living does not allow antennas of any sort.