



CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

ARRL Club No. 1658

NOVEMBER 1987

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

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

CALENDAR FOR NOVEMBER AND DECEMBER

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.
Tuesday	Nov 24, noon	Club Meeting, R2/1055. Nomination of Club Officers for '88
Saturday	Nov 28, 8-11am	Swap Meet, Northwest corner of Compton/Marine and Aviation behind the Chevron station. NEW RULES EFFECTIVE DECEMBER!
Thursday	Dec 3, after work	See details inside for information on BIG changes coming up
Tuesday	Dec 15, noon	Executive Board Meeting. All members are welcome! At Pizza Hut, 926 N. Sepulveda Blvd., Manhattan Beach.
Saturday	Dec 26, 8-11am	Early Club Meeting. We have been moved again! This month only in R10/2778. Bldg R10 is in the Aviation HS area, off of Dolittle Drive. Vote for new Club Officers!
		Swap Meet. New rules go into effect at this Swap Meet!

General Meeting 27 Oct 1987

Paul Lucas, N6DMV

Chris Wachs opened the meeting. Dave Stockwell gave the following information about TRW/ARC Banquet: Del Conte's Restaurant on 11-14-87; price, \$9.00 each for TRW/ARC member and 1 guest, \$15.75 for additional persons; must give preference of Prime Rib or Chicken Dinner. Walt Pearson, N6DZM was able to secure the conference room R10/2778 for the December Club meeting. Two new members were introduced: Rick Vanamaker and Julio Garcia, N6QOD. Rich Sauer, N6CIZ, said that he is starting to work on the ailing 2M repeater and hopefully he will have it repaired for the next Swap Meet. Chris Wachs stated that the new Swap Meet rules are not yet approved by SEA and should be considered preliminary until they are.

It was noted that the Swap Meet spaces need the numbers painted and the quote from SEA was \$2000 and there was a discussion to see if we reduce the cost. Also needed are 7 to 8 volunteers for 3 months minimum to help implement the new Swap Meet rules. The Club will have openings in the following areas in the coming year, Vice President, Activities Manager, Field Day Chairman, Training Chairman. Please step forward and make the Club's successes continue. We will have a new Crosstalk Editor in January, Dave Kropp, N6PLV. The New World of Amateur Radio was shown - well done. The VHS tape can be borrowed for showing - contact a Club Officer. Door prizes included an 1987 Handbook, calculators, AC power distributor. The meeting was adjourned at 12:52 PM.



Executive Board Meeting 5 Nov 1987

Chris Wachs, WA2KDL

The meeting was called to order at 5:40 PM. Present were Chris Wachs, Steve O'Neal, Dave Stockwell, Jim Wike, Bill Dews, Frank Cartier, Rich Sauer, Steve Ng, and John Keller. Chris Wachs reported to the board about plans for the Club's Annual Banquet and the upcoming annual election. He reminded all EBM members to ensure that John Keller has their correct phone numbers and mail stations. It was decided by the Board that six gift certificates should be purchased as door prizes for the banquet; three \$25 certificates for the hams and three \$25 certificates for the YFs. Chris presented the SEA membership application to the Board for input and suggestion. It was decided that John Keller and Chris Wachs would complete the application which is due to SEA by December 1st. Vice President Steve O'Neal reported that he had no program yet for the November General membership meeting. Treasurer Dave Stockwell gave the current Club financial report. The Board approved two new accounts: New Swap Meet Income and New Swap Meet Expenses to keep track of the flow of money resulting from the rules changes. Steve Ng reported to the board about the previous LAACARC meeting. Bill Dews reported Club membership at 210 members - a record! Bill asked that items for the 1988 calendar to be printed in the December Crosstalk be given to John Keller ASAP. The 1988 membership application will be printed in the November, December and January Crosstalk. Bill asked the Board to approve a \$20 expenditure for new membership cards. The expense was approved. Bill reported that he will write the Club QSL procedures and post them in the shack. This should help all members who had questions on how to QSL W6TRW. Frank Cartier reported on the October Swap Meet. In spite of the rain the sellers lot was about 3/4 full. Frank started taking reservations as per the new rules (see elsewhere for details). Frank proposed purchasing dBase III+ data base program for MS-Dos computers for \$425.99. It was approved by the board and John Keller will purchase the program for the Club. John also volunteered to enter data for the new Swap Meet reservations using the program. Rich Sauer announced that there will be an antenna party on Saturday, November 14 to replace the 2 Meter repeater antenna. Chris Wachs reminded everyone to attend the Club Banquet. The meeting was adjourned at 7:00 PM.

Tidbits from the Jolly Little S...!

The speaker at our September Club Meeting, John Horvath, wanted me to correct an omission in our general meeting minutes. His favorite oscillator circuit should be referred to as a "Hungarian Colpitts Oscillator."

Rich Sauer gets a magazine called Popular Communications and in the May, 1987 issue was an editorial by Tom Kneitel, K2AES. Tom pointed out that in a recent conversation with a retired FCC official that the VHF/UHF Ham bands have a value on the commercial marketplace of \$300 BILLION. I did not stutter nor do I have a cold. The figure was repeated later in the article so it is not a typo! \$300 Billion! With that kind of knowledge it is easy to see there will be some BIG MONEY pushing on Congress and the FCC to get some of our spectrum. It becomes obvious as to why the Electronic Communications Privacy Act (ECPA) zipped through Congress without much debate. (This is the law that says that it is illegal to listen to cellular telephone transmissions.) It also becomes painfully obvious that we will have a continuing battle to retain our frequency allocations not only in the USA but Internationally as well. We, the Amateur Radio Community, are seen as annoying obstacles standing in the way of commercial interests landing a great windfall! I, like many other hams, am guilty of sitting back and letting the other guy worry about losing part of the 220 MHz spectrum because I don't operate there. The time has arrived in which we must ALL care about ALL of our hobby's spectrum allocations because if we don't the money interests that want our frequencies WILL get them. If you aren't a member of the ARRL - JOIN. If you haven't called your Washington Representatives and Senators - DO IT! We are all in this together. What one loses, we all lose.

The OSCAR 10 satellite appears to be in good shape and is expected to be ready to be released for general use by mid-November. The satellite has been unavailable for use since August due to poor sun angles to recharge the batteries and the inability to maneuver the spacecraft due to the loss of the housekeeping memory. The Club OSCAR station is expected to be operational in time for the reactivation of OSCAR 10.

AMSAT is looking to raise \$10,000 for insurance on the Phase IIIC satellite scheduled to be launched as early as February 1988.

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 (License Required) | \$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 Space Park 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.

From the Library

George Lee, W6IOW

What's new in the November Issues of:

- QST: A Packet Terminal for Atari computers.
Product Review: Yaesu FT-109RH
Kenwood TH-31BT, 220 HT
Build this QRP Omni Box (FS Meter, Dummy Load, SWR, Continuity tester, Frequency Standard all in 1 box!)
Direction Finding (Xmtr hunting)
- HR: Tomorrow's Receiver: What will the next 20 years bring?
Designing a state-of-the-art receiver.
A CAT Control System for the FT-757GX
A thumbwheel Frequency selector for the FT-757GX.
- CQ: Packet Radio, Who needs it? YOU DO!
Review of AEA PK-232 Multi-mode data controller.
Aftronics Superscaf Audio Filter
Pac-Comm TNC-200 TNC
NCG 10/160M HF Transceiver
RFI & Computers in the Hamshack
How to modify a CB Beam for Novice 10M.
- 73: Review of EEB Model DM-4061 Dip Meter.
Repeater control PC board.

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 Space Park 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 Swap Meet, on 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. An SASE is always appreciated!

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

73, See you on November 28th.

New Members - - Old Members

Welcome to the Club:

Jeff Fedor, presently studying for his Novice ticket, but is already ready, willing and able to help out with Club activities!

Jack Kimbrough, WB6BBZ, holder of a General license and a ham for 19 years. Jack, alas, is not an ARRL member but is interested in HF, VHF and UHF.

Jim Bogdan, WB6IMV, is a limited associate member and we don't know much beyond that!

Hope to be able to give you each an eyeball QSO at the next Club Meeting, Tuesday, Nov. 24, R2/1055 at noon.

Club badges have been order and should be available at the next meeting for: Ralph, W6TUQ and Jack, WB6BBZ.

Membership Renewal Time

It's time to renew your membership in the TRW Amateur Radio Club. Membership officially expires in January but you don't have to wait until the last minute to make sure you continue to receive the Crosstalk every month and keep all of the privileges afforded you with your membership. So sit down now and fill out the membership application found in this month's newsletter and write the check (made out to the TRW/ARC) and send them in so you won't have to worry about it any more!