

CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

April, 1984

CALENDAR FOR APRIL AND MAY

April 24	Club Meeting R4-1041
April 28	Swapmeet
May 8	Executive Board Meeting: All are welcome.
May 8	Club Picnic, Noon at Park (See map in Crosstalk)

LIBRARIAN REPORT

We still have some old QST magazines to be given away to local ham clubs. If you know of any group that could make use of them to promote Ham Radio, ask them to write to the club.

For this month, what is new in:

QST: A 700 w 2-m amplofier using 3CX800A7; A Digital Freq. Synthesizer; A computerized Freq. Counter; Product Review of AEA CO-1 Computer Patch Interface

HR: Graphic Filter Design; Programmable PL Tone Generator

CQ: Special Antenna issue -- phased beam antenna

73: A T.U.; Interfacing IC: Wayne Green's new publication RUN for Commodore

NEW CLUB MEMBER

We all wish to welcome a new club member David C. Wolfe, Jr., WA4YSS.

HUGHES AUCTION (RIGHT AFTER TRW SWAPMEET)

Saturday, April 28, 1984 Noon to 5 pm. (Located just South of Hughes El Segundo Employees Assoc. Bldg. LAX, $\frac{1}{4}$ mile west of 1216 E. Imperial Highway, El Segundo Sepulveda Blvd.)

TALK-IN: KA6N Repeater (Palos Verdes); 223.0 IN 224.6 OUT
Two-meter simplex: 146.520

Rule sheets will be available at the door. Accept checks for payments over \$50 with proper identification. Drivers license and check guarantee card.

TRW SEA . One Space Park . Redondo Beach, CA 90278 . Attn: Amateur Radio Club



GENERAL MEETING 27 MAR 84

John Keller, N6JLS

Twenty five members attended. President Walt Pearson called the meeting to order. Secretary, John Keller, accepted the General Meeting minutes for January and February meetings as printed in the Crosstalk with one addition. The paragraph "Gary Komatsu reported...." should be preceded with the title General Meeting 31 Jan 1984. John also exhorted the members to fill in the questionnaire in the Crosstalk and return it as soon as possible. Very few have been returned to date. Treasurer Paul Herbert stated that the club treasury looks good and that a budget is being prepared for presentation at the next Executive Board Meeting. Vice President Chris Wachs introduced the speaker, Mr. John Browning, the first Chairman of the Board of AMSAT and a consultant to TRW. Mr. Browning pointed out that there are many similarities between AMSAT and commercial or military satellites, and the organizations that manufacture, test and launch them. AMSAT's biggest difference is that most labor is volunteer, which creates some problems as volunteers tend to work on what they want to rather than what needs to be done. AMSAT is presently recruiting volunteers on the West Coast in an attempt to develop more activity in space where most of the satellite work is done. Historically, the first four Oscar satellites were "Piggy Back" on military payloads, the fourth being the first attempt at geo-synchronous orbit. Number four unfortunately did not make it as the transfer stage failed. AMSAT is still waiting for a chance at geo-synchronous orbit but launch opportunities are hard to find. Concerning Oscars 10, 11, and 12, Mr. Browning stated that 100 man years of effort and \$1,000,000 have been spent in "non-scroungable" items on these satellites. Oscar 11 is in orbit but the 2-meter beacon is jamming the uplink channels. Oscar 10 is in orbit and performing well. The presentation ended with a question and answer period. A big thank you to Mr. Browning for a look at history, today, and a little of the future in Amateur Radios newest frontier.

Door prizes included a multimeter kit, an LCD calculator, a digital logic probe, two LED car clocks and two chamois.

EXECUTIVE BOARD MEETING 10 APRIL 1984

JOHN KELLER, N6JLS

Attending were Bill Daley, Bill Dews, Paul Herbert, Bob Hume, John Keller, Gary Komatsu, Jack Orr, Walt Pearson, Don Resor, Jr. Chris Wachs. President Walt Pearson called the meeting to order.

Vice-President Chris Wachs reported that due to the Dayton HAMCON speakers are unavailable. He has arranged for the ARRL video tape on the follow-up efforts of Owen Garriott, W5LFL and the historic STS-9

Shuttle Flight. All necessary equipment has been reserved. General Meeting will be held Tuesday 24 April, Noon, R4-1041. Gary Komatsu stated he has purchased \$80 worth of door prizes for the meeting.

Secretary, John Keller, stated the minutes of the last EBM were acceptable as printed in the CROSSTALK with one change. Membership Chairman Bill Dews was inadvertently left off as one of those in attendance. John also stated that returns of the questionnaires have been disappointing. A list of the insured items belonging to the TRW/ARC was presented and updated by the Executive Board. The club presently has \$6,500 of insured equipment. John stated that membership rosters are available. Anyone interested contact John at MS 82/2425 or EXT. 55485.

Treasurer, Paul Herbert stated that the Treasury is continuing to grow according to predictions. A budget was presented, review and voted on. The vote was in favor and the budget as presented was accepted. Paul also stated that the wheels are turning for new QSL cards. Memos are being passed in the upper levels of TRW management and preliminary results are promising.

Trustee, Bob Hume, was named Chairman of the 3 year plan committee. Bob requested that members suggest items to be purchased by the club for club member use over the next three years. Please send your suggestions to Bob Hume M/S 134/4048. Bob stated that the TH6DXX low band beam antenna is down and for sale. It needs a little refurb and the club is asking \$75 (negotiable). The KT34A cannot be returned so the club will exchange the Tailtwister rotor for a Ham-M rotor and use the KT34A antenna. A decision has been made to not remove the top section of the mast and use a smaller rotor instead.

Activities Chairman, Gary Komatsu, stated that the club picnics are being moved to El Nido Park. El Nido Park is on the south side of 182nd street between Inglewood and Hawthorne. Map elsewhere in CROSSTALK. Hopefully more members from the southern buildings of TRW will be encouraged to attend. First picnic is Tuesday, May 8 at noon. Gary stated that the Field Day towers will be received this week and the Field Day T-Shirts have been ordered. Gary said that Galley Crews are needed. Any XYL's out there that would contribute some time for one meal?

LAACARC Delegate, Bill Daley, presented an article stating that the U.S. is looking at creating two or three "over-the-horizon" radars. The Russians have one already - you may have heard it - the "Woodpecker".

Membership Chairman, Bill Dews, stated we have 131 paid-up members. Bill also had info on the Southwestern Division ARRL Convention to be

held October 12 - 14 at the Santa Maria Fairgrounds. This is a great outing for Ham's and XYL's with Buellton, Solvang and Lake Cachuma all in the area. Make your plans now!

Through the President, Training Chairman Bill Cox passed on the next dates for FCC upgrade exams. They are: August 6-10, 1984 - Reservation deadline July 15, 1984 November 5 - 9, 1984 - Reservation deadline October 15, 1984.

Assistant Swapmeet Chairman, Don Resor, Jr., stated that the last Swapmeet attracted 306 sellers and there was a good acceptance to reading, signing and adhering to the rules of the swapmeet. Additionally, increased use of P.A. systems was noted. Agreement between board members was unanimous that this could not be tolerated due to possible complaints from neighboring residences. Henceforth no P.A. systems will be allowed except to be checked out as part of a purchase/sale.

MARCH SWAPMEET NOTES

The weather was very nice inspite of predictions of possible rain. This may have helped promote the excellent turn-out. The large turn-out was ably supervised by volunteer swapmeet supervisors Stan Johnson, W6EKK, and Dave Burdett, WB6DVH in conjunction with our new Swapmeet Assistant Manager, Don Resor, N6KAW. Don brings youth, enthusiasm, and a willingness to contribute to the job of Swapmeet supervision that is very welcome. Don reported that he made a quick count of over 300 sellers shortly after 8 am. After 9 am, I found myself having to walk around and help the late coming sellers find an empty space to occupy.

Don has already revised and printed a new lot of Swapmeet Rules to be handed out and signed by sellers that have not previously signed one for our files.

Our traffic control responsibilities may have to be expanded to ensure that the "buyer" parking overflow is directed to the TRW lot area near buildings R1 and R2 rather than be allowed to obstruct the roads adjacent to our sellers parking lot. Our volunteer swapmeet supervisors will be presented with a complimentary hat when they arrive for duty. These hats are baseball style and have the supervisors name, call and TRW/ARC neatly embossed on the front of the hat.

As usual the swapmeet offered a tremendous variety of electronic equipment at bargain prices and excellent trading values. See you at the next swapmeet.

Mac, W6RYG



TRW/ARC PICNIC

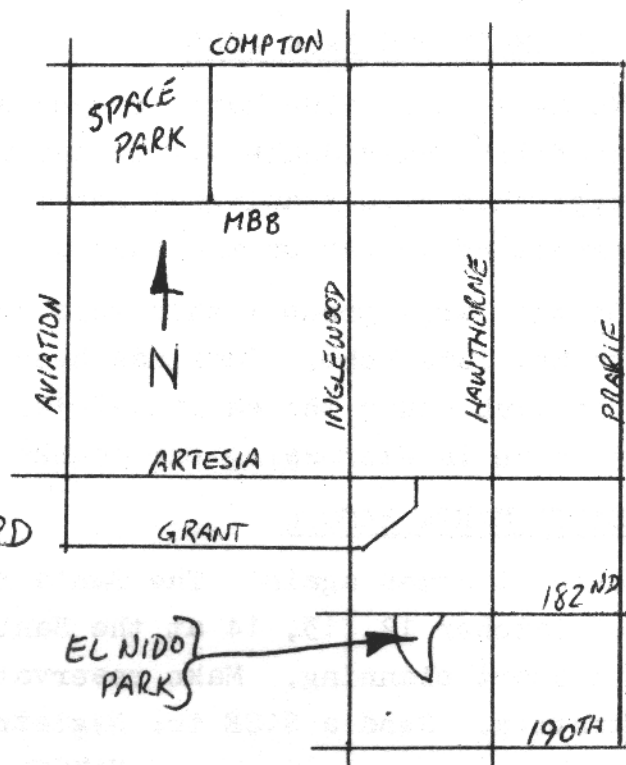
EL NIDO PARK

TUESDAY, MAY 8

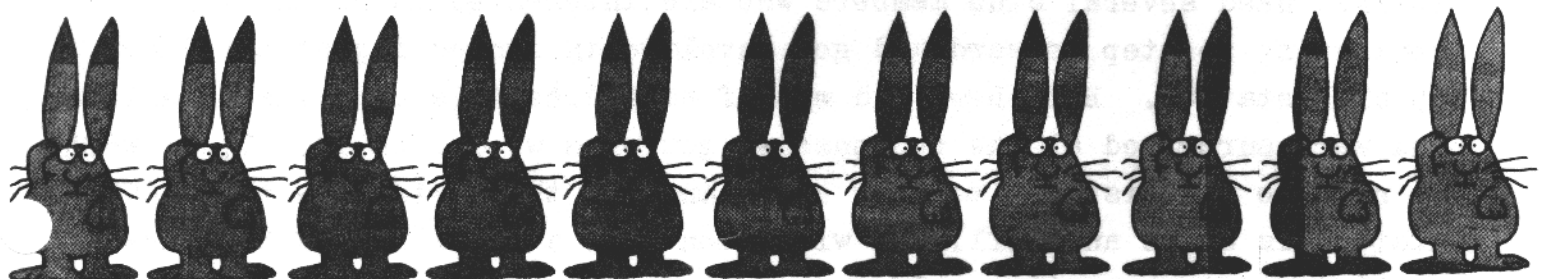
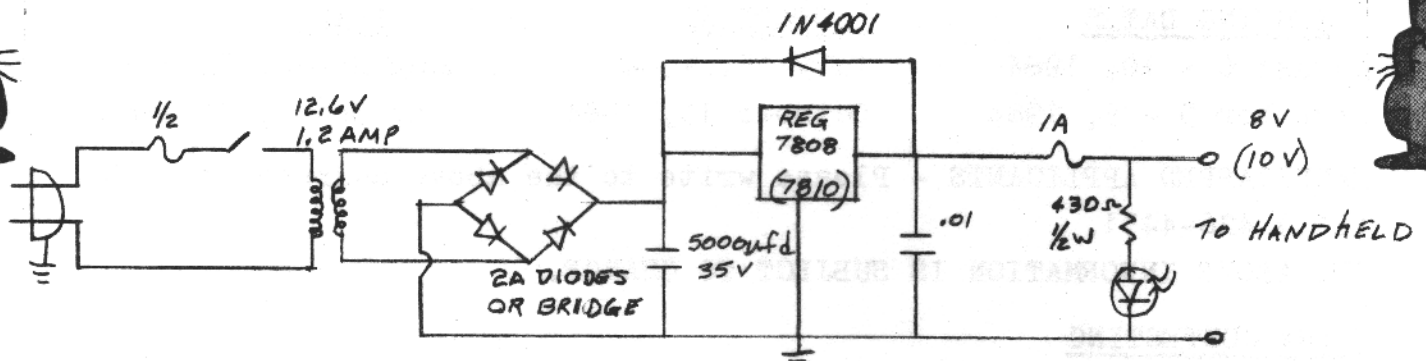
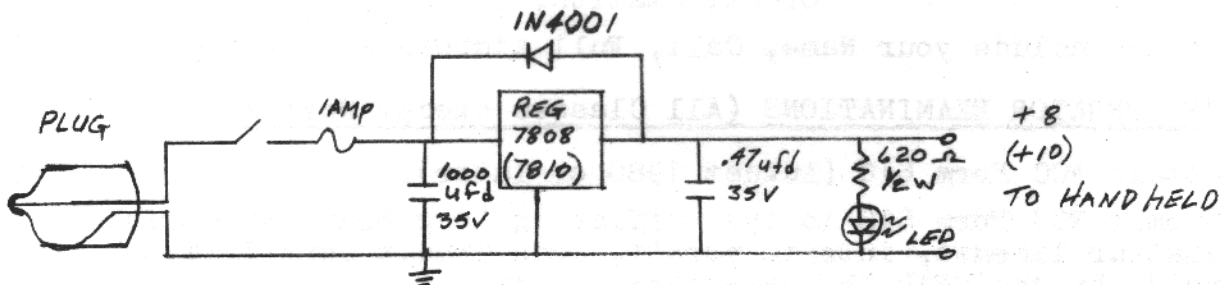
NOON

FREE FOOD AND DRINK

PLEASE BRING YOUR MEMBERSHIP CARD



Here are the schematics referred to in last months CROSSTALK by George Lee.



A Twenty-One-Bun Salute

HAPPY EASTER

ARC THANKS TO JACK KOHO

Bill Ivey

We as a radio club have enjoyed support from quite a number of "low profile" individuals within our membership. These supporters are the type that give meaningful service to the club without waiting for, nor expecting a "pat on the back".

Of the large group within this category, I wish to call your attention to Mr. Jack Koho. Jack has been supplying misc. items as donations to the club since the early 1970's. I know the club officers and members join me in expressing our thanks to Mr. Jack Koho.

SANTA MARIA HAMCON

Here it comes again! The Santa Maria HAMCON is set for the weekend of October 12, 13, 14 at the Santa Maria Fairgrounds. Now is the time to start planning. Make reservations and send away for advanced registration. Send a SASE to: Registration Department

HAMCON

P.O. Box 2457

Orcutt Station, CA 93455

Be sure to include your Name, Call, Full address with ZIP code!

AMATEUR OPERATOR EXAMINATIONS (All Classes except Novice)

1. Obtain FCC Form 610 (August 1980 or later).
2. Submit FCC Form 610 to the office in Long Beach with current amateur license, interim permit, code credit certificates, if held, by the DEADLINE date shown below.

<u>TESTING DATES</u>	<u>DEADLINE</u>	<u>PLACE</u>
August 6 - 10, 1984	July 15, 1984	Long Beach, CA area
November 5 - 9, 1984	October 15, 1984	Long Beach, CA area

HANDICAPPED APPLICANTS - Please write to the above address or call (213) 426-4451.

THE ABOVE INFORMATION IS SUBJECT TO CHANGE.

W6TRW CONTESTING

TRW/ARC need several club members who are interested in HF and VHF contesting to step forward and get involved in contesting at our Bldg. 65 club station. Bill Dews and myself have done this on a few occasions and were surprised at the response we got when we called CQ, CQ, CQ W6TRW. We need to do this on a regular basis and let the world know that W6TRW station is alive and well. We will soon have a super new HF beam installed and in operation. If you are interested call our club secretary John (x55485) and advise him of it.

Bill S.
KE6LB

BREAKUP OF AT&T

We have all been deluged with information on the radio, newspapers and television explaining all about the breakup of AT&T. So far the only thing that I have been able to understand is that in the future it is going to cost me more money. Then I came across this explanation in the Lake Erie Amateur Radio Association Newsletter and for the first time I understand it. Hope you will too.

BELL SYSTEM REORGANIZED

The Wall Street Communications Association Board of Directors has issued the following clarification of the Bell divestiture:

Many Bell employees have questions about Divestiture. To end any confusion, we present the following concise explanation:

First, a fully separate subsidiary (FSS) will be established for the unregulated competitive areas of communications. Both the regulated and unregulated companies will be owned by AT&T.

Next Data will be bundled with the Network. Both, in turn, will be divided into bundled and unbundled segments. The bundled segment will be called Datawork and the unbundled segment will simply be called NET. The unbundled NET Department will be merged with the unregulated, but bundled, Marketing Demand Segment which will oversee the Phone Centers. The Phone Centers will be expanded and merged with a fast food chain. Residence Services will be split and merged with Building Services.

The Annoyance Call Bureau will now handle collections. Special Services will be renamed Perplexing Services and will be merged with BPOC. Installation and Repair will be abolished. Their functions will be handled by Sears on a mail-order basis. All Dimension PBXs will be sold by Heath in kit versions. Bell Labs will merge with Radio Shack and will produce a new phone system called the Trash-85. Western Electric will move to Singapore and be renamed Eastern Electric. Eastern Electric will then merge with Western Union. For clarity's sake, the merged company will be called Eastern Western Electric Telephone, Telegraph and Data Corporation.

On every Tuesday at 4p.m. when MUZAK stops, all employees will change seats.

We hope this simple explanation will clear up any questions you might have.

Thanks LERC

