



cross talk



WAC
WAS
DXCC
FD'71
FD'73
FD'75

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association

APRIL 1976

TRW/ARC Saturday Morning Nets 10AM LT

Primary	7.280 MHz
Secondary	3.980 MHz
Novice	7.140 MHz
Simplex	147.510 MHz

SPRING FEVER

That lazy feeling that is supposed to come upon us at this time of year appears to be having no effect on the TRW/ARC. This issue of CROSSTALK carries announcements of three major events coming up in the next couple of months: the Second Annual TRW/ARC Swap Meet on 8 May, the Spring Dinner Meeting on 22 May, and Field Day on 26/27 June. Lots of other activities are in the works too - see the Calendar on page 11. Hope to see you at all of these.

THE APRIL MEETING

We will have an opportunity to hear one side of a current and controversial issue. VP Frank Halligan has invited Miss Wendy Green of the Southern California Edison Company to discuss the potential impact of passage of Proposition 15 on nuclear power generation in California.

CROSSTALK ADVERTISING POLICY

Since the cost of producing this publication now rests directly on the club treasury rather than on the Systems Employees Association, it has become both appropriate and necessary to sell advertising space in CROSSTALK. Advertisements are solicited from amateur radio and electronics-oriented concerns interested in reaching the specialized readership served by CROSSTALK. Rates are \$10 for a full page, \$6 for a half page, with the advertiser providing complete and ready copy. For further information call Paul Weisz at 535-2822.

SECURITY NOTE

A recent discussion with the TRW security office on the subject of radio ripoffs from cars in the parking lots yielded the following general suggestions:

- o Keep a low profile-make your radio gear as inconspicuous as possible
- o Be observant and suspicious-be on the lookout for unusual activity in the parking lots
- o Do not hesitate to call security if you suspect that you have seen something going on. Security would rather risk answering false alarms than miss catching thieves.
- o If your car is broken into and you suffer a loss, report it to security-this will help you recover your gear, and might prevent another breakin.

*** MEETING REMINDER *** R2-1055

Always the last Wednesday at noon

Subject: Impact of Passage of
Prop. 15 on Nuclear Power
Speaker: Miss Wendy Green

SWAP MEET OPPORTUNITIES

The upcoming Swap Meet presents us with an opportunity to be both virtuous and practical. Such opportunities are infrequent, and are usually painful. Not so in this case.

Any amateur who has been active for more than about two weeks has acquired a collection of electronic treasures. For some of us old fuds, the collection takes up cubic yards of volume and tons of weight.

The items in these collections are often in such condition that they have no commercial value, either for sale or trade. You can now present these items to the TRW/ARC as gifts, to liven up the Swap Meet and Auction. The club will combine them in lots for auction, and the proceeds will go to the club treasury (which can sure use them). Contact Jim McWilliams for more information (535-1186).

SAFETY REMINDER

In this era of low-voltage transistor equipment and commercially packaged transceivers and amplifiers, there is a tendency to forget or ignore the rules that apply to the safe handling of high voltage. The following was lifted from the Monterey Park ARC 5 BY 9; the ten commandments of safety:

1. Beware of the lightening that lurketh in an uncharged condenser, lest it cause thee to bounce upon thy buttocks in a most embarrassing manner.
2. Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged, that thy days may be long in this earthly vale of tears.
3. Prove to thyself that all circuits that radiateth, and upon which thee worketh, are grounded and thusly tagged, lest they lift thee to a radio frequency potential & causeth thee to make like a radiator, too.
4. Tarry thou not amongst these fools that engage in intentional shocks, for they are not long for this world, and surely are unbelievers.
5. Take care that thou useth the proper method when thou takest the measures of high voltage circuits, too, that thou dost not incinerate both thee and thy test meter, for verily though thou hast no company property number and can easily be surveyed, the test meter has one and, as a consequence, bringeth much woe unto a purchasing agent.
6. Take care that thou tamperest not with Interlocks and Safety devices, for this incurreth the wrath of the chief electrician and bringeth the fury of the engineers on his head.
7. Work thou not on energized equipment, for if thou doest so, thy friends will surely be buying beers for thy widow and consoling her in certain ways not generally acceptable to thee.
8. Verily, verily I say unto thee, never service equipment alone, for electrical cooking is slow process and thou might sizzle in thy own fat upon a hot circuit for hours on end, and before thy maker sees fit to end thy misery & drag thee into his fold.
9. Trifle thee not with radioactive tubes & substances lest thou commence to glow in the dark like a lightening bug, & thy wife be frustrated and have not further use for thee except for thy wages.
10. Commit thou to memory all the words of the prophets which are written down in thy Bible which is the National Electrical Code, & giveth out with the straight dope & aonsoleth thee when thou hast suffered a team job, by the chief electrician.



TRW AMATEUR RADIO CLUB



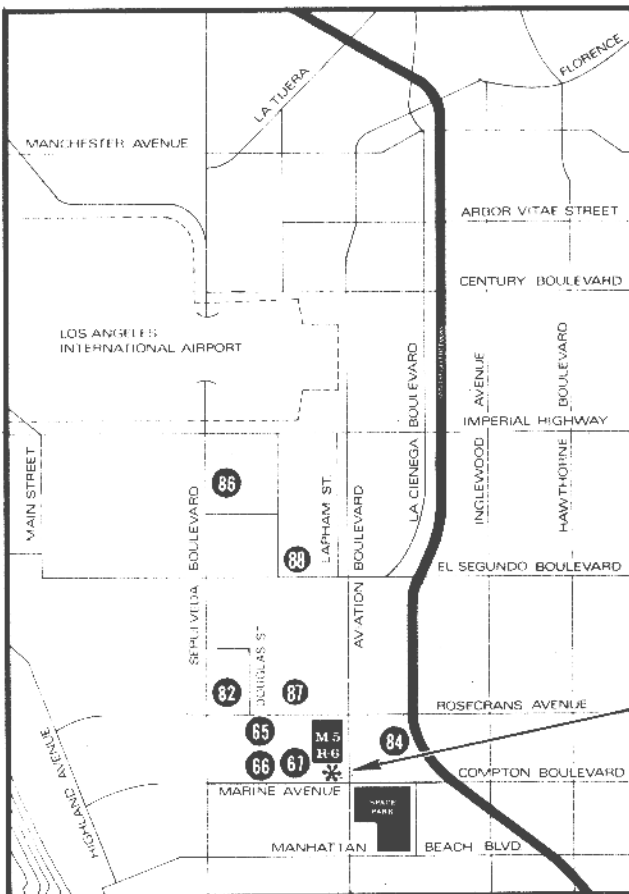
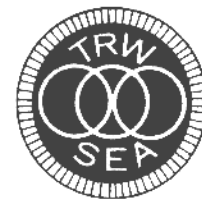
SWAP MEET AND AUCTION

8 MAY 1976

9:00 A.M. - 3:00 P.M.

FEATURING:

- RADIO AMATEUR EQUIPMENT
- TEST EQUIPMENT
- HI-FI EQUIPMENT
- MISCELLANEOUS ELECTRONIC COMPONENTS



LOCATION:

TRW PARKING LOT
NEAR BUILDING R6
AT AVIATION AND
MARINE AVE

BUYERS ADMITTANCE FREE
SET-UP/CAR SPACE 50¢

FOR FURTHER INFORMATION CONTACT:

FRANK CARTIER
535-1188

BILL DEWS
535-1410

JIM McWILLIAMS
535-1186

FOR SALE

1. Drake TR-4 HF Transceiver
SSB/CW/AM on 10 through 80 Meters. Solid state VFO, 100 Khz Xtal calibrator, VOX and PTT, 300 Watts PEP, 200 Watts CW. Includes manual. DOES NOT include separate power supply and speaker. Well maintained and readily available for \$375.
Bob Dyruff, W6POU, 1188 Summit Road, Santa Barbara, Calif 93108
Call 805-969-3073
2. Heathkit 25 inch color TV kit (Model GR2000) with internal digital clock. Brand new, unbuilt, kit untouched. Cost \$720, want \$650. Heathkit digital voltmeter kit (Model IM1212) with 3-1/2 digit display. Want \$75.
Frank Halligan, W6RLN, 535-1090, 376-1029

OUR NEW ADVERTISER

Hawk Electronics on Artesia Boulevard, has a larger stock of parts and experimenters' supplies than you would expect to find in a local neighborhood place. Your editor was especially intrigued with some circuit breadboarding devices put out by Continental Specialties Corp. One of these, the Proto Board 6, is a 3x6 inch board with push-in tie point terminals connected underneath the board so as to permit the build up of fairly complex IC circuits. The flexibility and accessibility of these tie points should make the breadboarding and test of digital circuits a piece of cake.



HAWK ELECTRONICS, INC.
2315 W. Artesia Blvd.
Redondo Beach, Ca 90278

Hi.....We're those crazy guys on Artesia Blvd. who still think that an Electronic Parts Distributor should sell parts.... not Hi-Fi, TV, or packaged goods that require you to buy 5 when you only need 1.... We stock the parts no one else seems to want to sell - tubes, sockets, chassis boxes, fuses, hardware, connectors,....the list is endless, and if we don't have what you want, and we can get it, we will be glad to order it for you.... We also offer a 10% discount to TRW employees on all but sale merchandise.... Drop in... Browse around.... Our friendly service comes at no extra charge.

Monday - Thursday 9-6 ** Friday 9-7:30 ** Saturday 9-5

Phone 370-5581 or 542-5956

SPRING DINNER MEETING ANNOUNCEMENT

Saturday Evening, May 22, at the Holiday Inn, 21333 Hawthorne Blvd, in Torrance, in the Salon on the 12th Floor.

6:30 to 7:30 PM	Social Adjustment Hour (COD Bar)
7:30 to 9:00 PM	Dinner
9:00 to 10:00 PM	Program: The History of Radio, with Mr. George Mair of KNX News Radio

Dinner Menu:

Mixed Green Salad Garni
Cornish Game Hen Stuffed with Wild Rice
Half Broiled Tomato Parmesan, with Another Vegetable
Fruit Tart Dessert

Price: \$8.50 per person

Reservations and check payable to TRW/ARC required by 10 May
Send reservations and checks to Dave Carson, R2/2144

FIELD DAY 1976

by Jack Clarke, WB6TCR

The task of planning and organizing the TRW/ARC Field Day is upon us again. We are off and running again, despite a late start.

There will be several new features for FD this year. We have a new site at Miraleste High School on Palos Verdes Hill. This site features a Panoramic view, ample space for stations, antennas and parking, and as an important added plus, restrooms and running water.

This year's Field Day plan will deemphasize the competitive aspects of the event (it is supposed to be an emergency exercise, after all) and will have as its objective providing operating opportunities for all comers. This will give everyone a chance to participate, will permit the less experienced operators to build their skills and confidence with the guidance and direction of the more seasoned members. This year the bands will hear the infamous call W6TRW, but the growls of the tiger team will be more in the background.

For non-operators, and those who can avoid swallowing the microphone, some non-radio activities are planned, such as: ragchewing and eyeballing, eating good things, drinking ice cold beer, planned contests and recreations, relaxing, sunning, and smiling. Participation by all is welcomed and encouraged. Much planning and work must be completed in just a few short weeks.

Please fill out the form on the next page, and send it to Jack Clarke, M2/1179, or call me on X62692.

FIELD DAY SIGN UP SHEET

NAME _____ CALL _____ PHONE _____

I will operate on Field Day

I will help with setup tear down transportation

I will be available to operate:

Saturday Morning Afternoon Evening Late Night

Sunday Morning Afternoon

I can bring: tent table chairs lights other

I prefer to operate: 80 40 20 15 10 6 2 other SSB CW

My past level of FD experience is:

Incredible Many times Few times Once Only watched Never

I can bring a rig to Field Day if needed

Besides operating a radio, I like:

Baseball Volleyball Beer

Additional Comments: Things I would like to see or do at Field Day

Treasurer's Report for March 1976

Balance on hand March 1, 1976: \$682.08

Receipts

New Member Dues 6.00
 QSL Orders 19.75
 ARRL Membership 8.00
 Raffle 3-31 21.75
 QSL Order over-
 payment refund 22.75
\$78.25

Expenses

Postage 4.03
 QSL Orders 12.50
 ARRL Memberships 16.00
 Bldg. 65 Antenna
 Repair 145.34
 St. Patrick's Day
 Subsidy 25.00
 LAACARC Dues 2.00
\$204.87

Balance on hand March 31, 1976: \$555.46

Respectfully submitted,

David P. Carson, WB6BGO
 TRW/ARC Treasurer

EXECUTIVE COMMITTEE NOTESBy ED THORNLEY, W6RXD

The regular monthly meeting of the TRW/ARC Executive Committee was held on 14 April 1976 during the noon hour. Officers present were: Cartier, Halligan, Dews, Thornley. Also present were Editor Weisz, and Swap-meet Chairman Mc Williams and Field Day Chairman Clarke.

Business:

1. Swap Meet Mc Williams reviewed plans for the Club Swap Meet to be held on Saturday 8 May 1976 in the M5-R6 parking lot, 0900 to 1500. A special bulletin will be mailed to all members in addition to postings on company bulletin boards and in local electronics shops.

A pick-up truck will be begged, borrowed or stolen for use as an auction platform. Auction activity will continue throughout the day. It is hoped that a canteen truck can be on site. Club members are needed to act as auctioneers assistants, cashiers, and parking directors. It is planned to evaluate possibility of disposing of surplus club gear. The club will police the area after the meet to leave it as found.

2. May Dinner Meeting Halligan reported that plans for May Dinner meeting are shaping up nicely. Our speaker will be George Mair, KNX News Radio and his "History of Radio". This will be an interesting talk for all.

The dinner will be held at the Torrance Holiday Inn on May 22nd at 6:30 PM. Cost to all is \$ 8.50 per person for the dinner. Reservations with check to be paid to club treasurer Dave Carson by 10 May.

The committee voted to underwrite cost of door prizes and incidentals to the tune of \$ 75.

3. Cross-Talk-Cost-Talk Editor Weisz reported that the March issue of our club bulletin re-pro'd outside cost approximately \$ 40. As indicated last month, the SEA repro budget is nearly non-existent and all clubs will be funding their own publication costs. In a brilliant flash of editorial genius, our man Weisz wisely started selling advertising space at the rate of \$ 10/page. We'll keep the Cross-Talk talking continuously at this rate!

4. Field Day '76 Prez Cartier announced the appointment of Jack Clarke, WB6TCR as Chairman of our Field Day event this year. Jack has already made arrangements for the use of the grounds of Miraleste High School for the site. They say the green grass grows all around out there! That will certainly reduce the fire hazard from previous sites. Jack plans a new approach to F.D. this year, with an emphasis on traing our newer op's in Field Day techniques to broaden the interest and whet appetites for this kind of fun. More to come on this as Jack's plans solidify.

5. Next Month the Executive Committee will probably meet at Pres Cartier's home for an evening session.