



cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



WAC
WAS
DXCC
FD'71
FD'73

March, 1979

MEETING REMINDER Room S-540
SUBJECT: System of Phased
vertical antennas
SPEAKER: Tom Rothwell, K6ZT

BENNIE FUND

Jim Hill is still accepting contributions to the Bennie fund, but he would like to have you attach your check to a 8 x 11 sheet of paper if you are using a company mail envelope. We are listing contributors to make sure that your check did not get pushed aside as an 'empty' mail envelope. Thanks to all who have helped, some are not even in club. Bill Schrecengost, Jim McWilliams, Bill Ivey, Ed Thornley, Henry Low, Mel Erb, Woody Ornellas, Jim Hill, Al Mattay, and Rolland Goulet.

SWAPMEET

The February 24th Amateur Equipment Swapmeet drew a bigger than ever crowd, both buyers and sellers. There were many good equipment buys and lots of wheeling and dealing. The coffee and donuts at our TRW/ARC booth went fast. We will increase the quantity at next month's swapmeet. We had visitors from as far as Mexico and Santa Barbara, and received lots of favorable comments concerning our swapmeet. In summary, it was a good swapmeet and is getting better each month. Hope to see you all at our March 31 swapmeet, next Saturday.

Thank you, Bill S., WA6EVS

TRAINING CLASS PROGRESS

The present novice class winds up this month and again I will be calling on several of you old timers to assist by giving the graduates their novice exams. This worked quite well last year. Lance Gay has already passed his Technician test and is waiting for his call. The graduates are:

Bill Curtis
Ken Scholz
Don Wilson

John McConnaughey
Howard Fisher
Aubrey Robertshaw

Lance Gay
Phyllis Wilson
Ray Herbrick

MARCH OF DIMES " SUPERWALK"

Amateur Radio Operators will provide communications for the annual March of Dimes "SuperWalk", held in seven locations in Southern California. The date is Sunday, April 1, 1979. Coordinating all communications is ARRL Vice-director WB6ULA, Pete Matthews, 547-5816.

MAC MCGREW RECORD

Mac McGrew claims to hold the 2 meter SSB club DX record with 8 states confirmed.

MARCH PROGRAM

The program for the March 28th noon meeting will be Tom Rothwell, K6ZT, from Hughes Aircraft who will describe a system of phased vertical antennas that he has developed. Here's a chance to get reasonable gain from antenna system even on a small lot or anywhere that space is limited.

HAM AUCTION

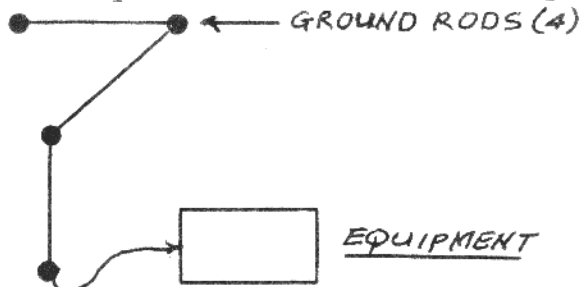
Ham Auction of the TRI-County Radio club will be held Monday, April, 9 at 7:30 p.m. in the basement of the Pomona first federal savings and loan building on the corner of Gary Ave. and Center Streets in Pomona.

TNX MPARC

BILL NELSONS GROUNDING SCHEME

For those of you who missed the February General meeting or if you want to retain the info. Bill Nelson, WA6RQG of Southern Calif. Edison Company passed along the following. This grounding system is recommended to help eliminate electrical noise heard in your receiver, improve your radiated signal and prevent electrical shocks when two pieces of equipment are touched or whatever.

Ideally, a forty foot copper rod would be driven into the ground for the best electrical earth ground. But, obviously this isn't very practical so the next best scheme is to drive four copper ground rods of 4 to 8 feet in length into the ground, spaced 6 to 10 feet apart and in the following layout.



DO'S

The rods are connected with #6 copper wire. The connection into your shack must not be a resonant length or 10-15 or 20 meters. All equipment must be tied together with grounding strap.

DON'Ts

Don't attach your tower to this grounding system. Don't attach your tower to a water pipe or sprinkling system. Don't rely on AC neutral as a good ground. Connection to equipment is not to be a length that will be resonate at operating frequency.

REPORTING LINE NOISE

Bill passed along the following procedure in case you have severe line noise in your area and wish to report it.

First, make a 30 second recording of the noise at the lowest frequency and highest frequency at which it is heard. The receiver or receivers must be in the AM mode in order to identify the noise source. Record the frequency and time of day of each sampling. Try to pick clear frequencies, that is, frequencies that are not being used. Next, telephone Bill Nelson at 570-1822, extension 480 and be prepared to play back the recordings over the phone. I hope we don't all call at the same time!

PREZ SEZ

The SEA Association has distributed the semi annual allotment which is now in the TRW/ARC treasury. This year's budgetary requirements are now being firmed up. Although our annual St. Patricks' Day activity will have come and gone when read this, here's hoping you were among the group that had a very fine eyeball QSO.

Tentative plans are being made by SEA to have another Activities Day in September. It is possible that Soledad Canyon will be considered as the possible location.

We had a member, Bob Hume (WB6AQF) accept the hard work but rewarding position of the field day chairman. Thank you Bob. Lets all give (AQF) our support in his search for field day captains.

Other spring activities are on schedule and they are quite a few. Within the month of March we illl have the St. Patrick's Day Bust, the general meeting, the swap meet, and participate in the April 1st Super Walk (Walk-a-thon).

A very special note of thanks to R. B. Bavis for his follow through on an action item for "Bennie". His efforts has resulted in additional positive efforts by others including ECHO and the American Leprosy Mission Inc. Everything so far is tentative therefore we still need your support for "Bennie".

President, W. G. Ivey, WA6QET

MINUTES OF THE EXECUTIVE COMMITTEE MEETING 9 MARCH 1979

The Executive committee meeting of the TRW Amateur Radio Club was called to order on 3/9/79 at 1205 hours by the club Vice-President, Al Lee, W6KQI. In attendance were Secretary, Woody Ornellas, AA600; Treasurer, Jim Hill, W6IVW; Activities Manager, Dave Gilmore, WB6IDJ; Crosstalk Editor, Mel Erb, K6GWC; Trustee, Paul Weisz, K6YQ; and PR Manager, Gary Komatsu, K6HPD.

The following topics were discussed by the various committee members.

Al Lee This months speaker is Tom Rothwell, K6ZT

Woody Ornellas FCC has not yet responded to letter requesting their bulletins.

Jim Hill Submitted the Treasurers report, balance on hand is \$345.52. Received \$57.00 from the members for Benny's fund.

Dave Gilmore We have a field day manager, Bob Hume, WB6AQF

St. Patricks day celebration at Shakeys (Sepulveda & Marine) on 3/16/79, 5PM. Ornellas & Komatsu to prepare and distribute bulletins.

T- Hunt transmitter is being built. Working on rules.

Discussed the CB clearance sale at Sear.

Paul Weisz made a motion to authorize Dave Gilmore to spend \$65.00 on assorted items in Sears sale for door prizes. Seconded by Mel Erb. (Passed).

Paul Weisz Discussed the RFI problem with the PA in Art Services (Bldg. 65) Al Lee appointed Paul Weisz, and Dave Gilmore to look into the problems.

Will invite 3 Wash OPs employees to become club members.

Gary Komatsu

Swap meet proceeds total \$65.00

The meeting was adjourned at 1300 hours.

Respectfully submitted,
Woody Ornellas, AA600, Secretary

TREASURERS REPORT - FEBRUARY, 1979

Balance on hand - February 1, 1979

January Statement Final Balance
Checking Account: 262.55
Credit Union Shares: 103.94

Total \$366.49

Expenses

Speakers Lunch 4.72
Final Credit Union Loan Pmt. 5.35
ARRL Memberships 75.50
Banner 1.45
Cross Talk Printing 37.21
Cross Talk Stamps 15.00
Feb. Door Prize 21.00
Credit Union (QSL Fund) 25.20

Total \$184.93

Balance on hand - March 8, 1979

Modified Final Balance

Checking Account: 247.05
Credit Union Shares: 103.94

\$350.99

Income

TRW ARC Memberships 16.00
QSL Card Fund 25.20
ARRL Memberships 33.00
"Bennie" Fund 57.00
Door Prize Receipts 14.00

\$145.20

\$345.52

Jim Hill, W6IVW, Treasurer, TRW/ARC

QRM ELIMINATION

At a recent local radio club meeting a new method of transmission and reception was demonstrated. This method would greatly reduce the bandwidth of the transmitted signal, and with a narrow bandwidth receiver would cut through a lot of qrm. But like many methods would seem to stop one step short of perfection. Why not take that one extra step by reducing maximum legal power to 250 watts?
Really very simple isn't it?