



cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB

Sponsored by Systems Employee Association



WAC
WAS
DXCC
ED'71
ED'73

MAY 1980

NEXT MEETING: WED., NOON, MAY 28, 1980
LOCATION: R4-1041
SPEAKER: Robert Cobb, W6CN
TOPIC: A Friendly visit from the FCC

EMERGENCY PREPAREDNESS (The next step)

Bill, WACQET

The recently experienced power failure at TRW reenforced the need for our emergency preparedness plan becoming operational as soon as possible. In spite of comments to the contrary, the manager of the E.S.S. department is not only "sold" on the idea, he has placed his capital budget behing the plan by placing of an order for 15 portable radios to augment such an endeavor. Instead of saying "I told you so", we must be firming up our detailed plan of operations. The radios can arrive at anytime and we are yet to have an active emergency coordinator. Some questions we must answer are:

1. Radios:
 - a. Where will they be located?
 - b. How will they be protected?
 - c. How will they be used?
2. How will the plan be set into motion? Phone? Radio? Through the lobby security officer? Other?
3. Must we be affiliated with Races?
4. Are other radio clubs within the South Bay futher along with a similar plan that may aid our efforts to organize?
5. What will be the frequency and type of training drills performed?

These are only a few of the many questions that must be resolved in a practical sense. When you attend the May meeting, why not tell the club president that you are a Races member and are willing to serve as our emergency co-ordinator.

DOOR PRIZE WINNERS FROM APRIL GENERAL MEETING

John Dailey
Vic Musil
Bill Lee
Nelson Hayes
Ralph Clark

Bill Schrek
Steve O'Neal
Al Lee
Jim Hill

FOR SALE

1 Com 22A, 2 meter transceiver, excellent condition, 12 pairs of crystals \$150.

Heath Metal Dectector, solid state, good condition, sensitive.

Bill S. (WA6EVS) M5-0206, x51583

WANTED

Schematic or manual for model 667 Elco Tube-tester. Will repro and return.

Bill S. (WA6EVS) M5-0206, x51583

RAFFLE TICKETS

Many thanks to Henry Radio for a new supply of raffle tickets for our club. They have kept us supplied with a supply of tickets for many years.

The Executive Committee meeting of the TRW Amateur Radio Club was called to order on May 13, 1980, at 1200 hours by the President, Al Lee, W6KQI. In attendance were Vice-President, Gary Komatsu, K6HPD; Treasurer, Jim Hill, W6IVW; LAACARC Delegate, Bill Daley, K6BO; Field Day Co-Chairman, Bob Hume, KG6B; Swapmeet Chairman, Bill Schrecengost, WA6EVS; Past-President, Bill Ivey, WA6QET; Membership Chairman, Bill Dews, K6AWO; and Secretary, Woody Ornellas, AA6OO.

The following were discussed by the committee members:

Al Lee

- .Working with Jim Hill on the SEA repo.
- .Announced that OSCAR 9 should be launched between May 20 and 28.

Gary Komatsu

- .The program for the May general meeting will include a guest speaker from the FCC office.
- .Al Lee is tentatively scheduled to speak on OSCAR 9 at the June meeting.
- .Suggested that guest speakers be re-imbursed for their gasoline expense instead of being taken to lunch. (Agreed with by the committee).

Jim Hill

- .Submitted Treasurers report.

Bill Daley

- .Reported that the LAACARC cited some Radio-Amateurs for outstanding, meritorious service during the recent Malibu fire disaster.

Bob Hume

- .Reported that the FD80 band captains are chosen.
- .Motion: That the TRW/ARC allocate up to \$250 for Field Day expenses.
Seconded: Gary Komatsu Carried unanimously

Bill Schrec

- .Agreed to distribute handouts at next meet announcing that the June swapmeet would be on the 3rd Saturday. (June 21)

Bill Ivey

- .SEA report
 - a) Club descriptions made for info to new hires, etc.
 - b) SEA working on expulsion ground rules for unruly, problem members.

Bill Dews

- .Wrote letter to FCC per QST editorial. Suggested that members do the same.
- .Discussed the need for TRW/ARC to work with Security on Emergency Communications as evidenced by last week's power outage at Space Park.

Respectfully submitted,

Woody Ornellas

CONGRESS BILLS

There are two bills currently stuck in subcommittee, in Washington; S-611 and S-622. The content of the Bills and the congressmen on the committee are listed in the May issue of QST under the "It seems to us" line. These Bills if passed could be of great help to us. Please grab the May issue of QST and write your congressman now.

TREASURERS REPORT - GENERAL FUND

APRIL 1980

Balance on hand - March 31, 1980	
Checking Account	639.95
Credit Union Shares	264.91
<u> Total</u>	<u>904.86</u>

Balance on hand - May 12, 1980	
Checking Account	591.95
Credit Union Shares (5-1)	275.46
<u> Total</u>	<u>867.41</u>

DEAR SOUTHERN CALIFORNIA ATVER:

Fast scan atv operates a little differently than other modes of amateur radio. This is necessary due to the fact that we have to occupy wide bandwidths in order to put out good high resolution color video and subcarrier audio as do the commercial tv stations. We have two co-ordinated frequencies available to us, 434.0 and 426.25. 434 is the most active and is also the repeater input. The repeater output is on 1265 mhz from Johnstone peak near San Dimas...same site as the 146.22/146.82 fm two meter repeater. More repeaters are planned.

With so many atv stations and so few frequencies ALL atv transmissions are co-ordinated on 146.43 fm simplex. The probability that you can receive a atv signal without knowing his location and he yours to enable pointing directional vertical beams is low. Also it enables the receiving station to talk back in duplex with a tv station who is talking on the sound subcarrier. Your best source of atv info and help is available by calling cq atv on 146.43.

Another source of information is the Southern California ATV club. A monthly bulketin comes out with information on specail events such as parades, races, etc that atv is used on, schematics and articles on atv projects, equipment for sale or trade, and the location of the next meeting. Meetings are the first Sunday of each month at 2pm usually at a members QTH and is rotated from area to area. To be a member send \$5 and 12 self addressed stamped envelopes (#10) to the club secretary Clyde Farris WA6BAV POB 1591 Downey, CA 90240.

Most stations run 10 watts to a vertically polarized 14 db gain wideband antenna. There are only 4 antennas that work well on atv: 48 element J beam, 27 element KLM, Cushcraft DX420, and the homebrew 15 element quagi. At UHF good well shielded coax must be used and antennas above the tree line if possible. For receiving a standard tv set tuned to channel 3 with a tuneable converter with a low noise rf stage in front of it is a must. With strong signals from channel 2 or 4 coax should be run from the converter to the vhf tuner...no twin lead...to keep it out. DX depends a lot on being above the tree tops, close ess of hills, and how high the inversion layer (smog) is.... yes there is skip on 434 mhz. Typically if you can talk to them on 146.43 fm simplex with 10 watts into a omni antenna you can work atv with 10 watts of video into a 14 db gain beam. Atvers can be found almost anytime monitoring 146.43...try giving a call.

For reference material: chapter 2 of ARRL Specialized Communications Techniques. A5 Magazine is the best continuing reference..... \$6.50 for 6 issues per year. They also have a 72 page book called ATV IN A NUTSHELL for \$5.50.

Call me on 146.43 and I'll be SEEING you on 434.0 mhz video.

TNX A5 Magazine, Bill WA6QET

VISITORS' DAY AT THE RHOMBIC FARM, W6AM

June 8, 1980

Open House 1 p.m. to 5 p.m.

The Rancho Palos Verdes Amateur Radio Club (RPVARA) and the Japan America Amateur Radio Society (JAARS) have requested a Visitors' Day. Fill your car with hams, spouses and radio friends. Go south on the Harbor Freeway to Anaheim St. Turn right (west) one mile to the Palos Verdes Hills (5 corners) bear left up the hill on Palos Verdes Dr. North, 3.8 miles to Hawthorne Blvd. Turn left, up the hill about 2 miles, past the Peninsula Shopping Center to the top of the hill "Highridge Road." Go left .7 of a mile to

28503 HIGHRIDGE RD.

Rancho Palos Verdes, Ca 90274.

Park in the field and walk in one block to the 100 ft. long "Ham Shack."

RPVARA is furnishing the donuts and coffee. Virginia Reynolds and Don Wallace will be glad to see you.