

Amateur Radio Club WB6WPO

cross talk

A MONTHLY NEWS BULLETIN OF TRW AMATEUR RADIO CLUB

Sponsored by Systems Employee Association

APRIL, 1970
VOL. III, No. 4

President	Ed Thornley (WA6JHD)	R6/2174	62845
Vice President	Bill McClellan (W6VB)	M4/1951	50613
Secretary	Bill Thompson (W6PMV)	E2/6062	67093
Treasurer	Bill Dews (K6AWO)	R5/2230	64685
Activity Manager	Doug Freeman (WA6AZW)	M4/2243	53126
Trustee	Carl Rothrock (W6MYC)	S/389	69663
Immediate Past President and Cross Talk Editor	Doug Heydon (WB6WDS)	M3/2087	50454

April Meeting

WHEN: Wednesday, April 28, 1970, 12 Noon
WHERE: R2/1055
WHAT: "Sea Double Yew"
WHO: Ray Sollars (WA6YKP), Merchant
Marine Radio Officer with talk
of shipboard radio operation.

THE PREZ SEZ

By Ed Thornley (WA6JHD)

April has been a busy month for the club. We provided communications for the Rallye Club, need operators for the Ensenada Yacht Race and have been presented with some other problems that require man-power to solve.

First of all, I'd like to congratulate Bill McClellan (W6VB) on his recent ascendancy to Vice President of the club. Bill has already assumed his new duties and has lined up a fine program for the April meeting.

Thanks also to Jerry Starkey (WA6LIJ) and Doug Heydon (WB6WDS) for volunteering as assistant activity managers while Doug Freeman (WA6AZW) is carrying an extra heavy work load at TRW. Jerry is managing our club station WB6WPO and Doug is carrying on planning for Field Day 1970.

As reported within these pages, we are in immediate need of volunteers for:

1. Ensenada Yacht Race
2. Mobile Emergency Net Coordinator
3. QSL Card Manager
4. La Carc Delegate

Read on and pick the spot you'd like to fill!

ARRL affiliation of the club is a bit sticky at this time. We thought we had 17 made, but recent membership changes in the club roster has dropped our percentage of ARRL members to less than the required 51 percent. At our last executive committee meeting, consideration was given to ways and means by which the club can attain affiliation.

THE PREZ SEZ (Continued)

One thought was the possibility of a package deal for Club/ARRL dues. ARRL dues are \$6.50 annually and our club dues are \$2.00. We are considering a package price of \$7.50 to \$8.00.

I would like to encourage all of our members to become ARRL members. This is a controversial subject of course, but look at it this way. ARRL is the only national organization we have. It is our prime contact with FCC and is our prime means of preserving the amateur spectrum. We may not agree with every policy statement or action of ARRL, but we don't necessarily agree with every action or policy statement of our political bodies either, yet we need them. I think amateur radio needs the ARRL. I believe every ARRL member has a voice in ARRL operations through his elected representative, the Division Director. If you don't like something, you can write him a letter, or talk with him in person. He is interested in your opinion.

ARRL membership includes a subscription to QST. This is a comprehensive monthly publication covering all phases of amateur radio. It has a little bit of something for everyone every month and a whole lot for most of us.

So, those of you who are not members of ARRL at this time, give it some thought. Is your amateur interest important enough to you to participate and support the only national amateur radio organization?

73's

Ed

SECRETARY'S REPORT

By Bill Thompson (W6PMV)

TRW/ARC EXECUTIVE BOARD MEETING

April 15, 1970

The monthly meeting of the TRW Systems Amateur Radio Club Executive Board was called to order at 12:05 p.m. on Wednesday, April 15, 1970 in R6/1553. Those present included: Ed Thornley, Bill McClellan, Bill Thompson, Bill Dews, Doug Heydon, Frank Halligan, Fred Reed, Doug Freeman.

OLD BUSINESS

ACTION
DEWS

1. Fred Reed reported that the new Club QSL cards will be shipped from the printer this week. It was noted that a replacement QSL Manager will be needed soon and Bill Dews was requested to identify a Club member willing to serve in this capacity. Because of the printer's location in the Valley, a volunteer with a Valley QTH would be welcome.
2. Doug Freeman reported that his spare electric coffee pot has established indefinite residence in the shack where it is available as an eyelid support for late DX sessions.

SECRETARY'S REPORT (Continued)

- ACTION
FREEMAN 3. The Scuba Club's request for a communications link for their activities was reported to still be an open action item. Doug Freeman agreed to follow-up with Ollie Saunders, who was identified as the "delegatee."
- ACTION
THORNLEY 4. The search for ex-W6TRW (D.B. Haas), to pursue obtaining that call for the Club is apparently stalled on dead-center. Ed Thornley agreed to re-activate this tracking operation.
5. Ed Thornley reported in detail on the successful effort in support of the April 5th Southern California Council of Sports Car Club's Rallye. This detail is covered elsewhere in this issue of Crosstalk.
- ACTION
HEYDON 6. An investigation into insurance for the Club's station equipment remains an open action item.
7. A request from Station Manager Jerry Starkey, WA6LIJ, to purchase several items for the shack was reviewed and combined with a previously-approved plan for other items. It was moved (Heydon), seconded (Freeman), and voted to purchase:
- ACTION
DEWS
- | | <u>Approximate Price</u> |
|---|--------------------------|
| 1) Several station maps and wall charts | \$ 3.00 |
| 2) A new ARRL Handbook | 4.50 |
| 3) A Heathkit SWR Bridge | 15.00 |
| 4) Two pair low-imp. stereo headsets | 16.00 |
- Bill Dews was requested to follow-up.
- ACTION
ROTHROCK 8. Carl Rothrock was again requested to expedite checkout of the Club's VHF transceivers before they become obsolete; additionally, he was requested to explain the schedule slippage and to guarantee no related cost overruns.
- ACTION
THORNLEY 9. No information was available regarding the Club's participation in the coming Ensenada Yacht Race (as a communications link, not a racing team). Although this is still an open action item, it will definitely be resolved by May 5th, since that's the day of the race. Speculation was voiced that the failure of Race officials to seek our assistance might be due to a recollection of last year's ham participants' role in helping reduce liquid consumables on board. Ed Thornley will investigate.
- ACTION
THORNLEY 10. Preparation of the Club's application for ARRL affiliation has been held up, pending improvement in the Club's ARRL member percentage. Members who are not affiliated individually with the ARRL will be urged to do so to assure our Club's eligibility.

SECRETARY'S REPORT (Continued)

- ACTION DEWS HEYDON 11. Bill Dews and Doug Heydon reported no further action regarding code class planning. Further effort to activate these classes will continue.
- ACTION STARKEY 12. It was noted that a Saturday shack work party is needed. Jerry Starkey was requested to plan such an event in the near future.
- ACTION DEWS 13. Our recently-designated representative to the LA Council of Amateur Radio Clubs (Don Etheredge, K6UMV) has left TRW Systems. A new representative is needed, preferably a member living in the vicinity of Alhambra where Council meetings are held. Interested volunteers should contact Bill Dews.
14. SEA Council representative, Frank Halligan, reported that future quarterly activity reports will be submitted on a standard form that our check for the last quarter was received. The Club was cautioned to re-check meeting room reservations with Conferences on a monthly basis.

NEW BUSINESS

1. Bill McClellan announced the program for the next membership meeting on Wednesday, April 29th at Noon in R2/1055. Ray Sollars, WA6YKP, will speak on his radio communication experience at sea.
2. Bill Thompson reported that arrangements have been made with the Lockheed Radio Club for tickets to be sold at TRW for their May 9th Hamfest in Burbank (See announcement elsewhere in Crosstalk.).
- ACTION THORNLEY 3. It was agreed that our need for a telephone in the Club shack is current; Ed Thornley will contact Public Affairs (Dave Freeman).
- ACTION MCCLELLAN 4. Ed Thornley cautiously exposed the idea that the Club investigate purchase of windbreaker jackets with a Club insignia. Bill McClellan was asked to explore availability and price with Willoughby Bowman.
- ACTION HEYDON 5. Doug Heydon reported that a Field Day committee will hold its first meeting next week to activate planning for this June's contest.

There being no further business, the meeting was adjourned at 1:00 p.m.

Respectfully submitted,


W. M. Thompson, W6PMV, Secretary

Minutes of March Membership Meeting
TRW Systems Amateur Radio Club

The regular monthly meeting of the TRW Systems Amateur Radio Club was called to order at 12:08 PM on March 25, 1970 in R2/1055 by President Ed Thornley. Fifteen members and guests were present. Inasmuch as this meeting was planned as a general business meeting with no program, minutes were taken for future reference.

1. Minutes of the last Executive Board meeting, as published in Crosstalk, were accepted as reported.
2. The February Treasurer's report, as published in Crosstalk, was accepted as reported.
3. The Secretary reported results of the special election for Vice President. Ballots received as of 11:14 A.M. on 25 March totaled:

William McClellan, W6VB - - - - 17 votes
Frederick Reed, W6UMC --- - - - 6 votes
Total- - - 23 votes

A quick run on the Tymshare remote terminal established the fact that 23 votes was in excess of the required 20% of membership for a quorum. Accordingly, President Thornley officially stated that Mr. McClellan had been duly elected, and congratulations were extended by the vast assemblage.

4. Two new members were introduced:
John B. Kihm, W6YGV M5/0415h
Jerry Starkey, WA6LIJ M1/1338
5. One potential new member was introduced:
C.Wayne Harris, K4DTE R5/2063
6. President Thornley reminded members that orders may be placed at any time for Club QSL cards. As long as the old supply lasts, two versions are available:
a) OGO Spacecraft picture (at a greatly reduced price)
b) LM Descent Engine picture (the new version)
Contact either Fred Reed or Ed Thornley; R6/2174; x62845.
7. President Thornley reported the necessity to relieve Doug Freeman, WA6AZW, of his position as Activity Manager, at Doug's request. Reason: excessive other activities at TRW for an indefinite period. In response to a request for volunteers, the following enthusiastic members emerged from the pile-up: (and were appointed)
Assistant Activity Manager, in charge of WB6WPO
Jerry Starkey, WA6LIJ
Assistant Activity Manager, in charge of Field Day
Doug Heydon, WB6WDS

MINUTES OF MARCH MEETING (Continued)

8. President Thornley reported receipt of a letter from the TRW/SEA Rallye Club, inviting our participation to provide "checkpoint" communications during the April 5th Southern California Council of Sports Car Club's Rallye. For Club members not familiar with a Sports Car Rallye, its purpose is: "Try not to get lost on time." Enthusiastic and instant response for this opportunity to run down the car battery was extended by:
 - Mas Fujimoto, W6CZL
 - Herb Gleed, W6FQ
 - Jerry Starkey, WA6LIJ
 - Ed Thornley, WA6JHD(W86WDS would also have volunteered, but CW was ruled out in favor of SSB) Any other members interested in participating should contact Ed Thornley as soon as possible. (On second thought, since you're reading this Crosstalk after the Rallye, forget it!)
9. President Thornley reported that effort is underway to submit an application for ARRL-affiliation. Since 51% of voting members must be either Full or Associate ARRL members, those who are not were invited to correct this by joining and reporting same to the Club.
10. President Thornley presented a report on the March 19th meeting of the Los Angeles Council of Amateur Radio Clubs, submitted by our representative, Don Etheredge, K6UMV (Ass't LA SCM for ARRL). Don's report is included herein:
 - A. Re FM repeater interference problem: several meetings have been held, with no progress so far.
 - B. The W6ZH Club award will begin with Club memberships in November, 1969. The winner will be the Club with the greatest percentage increase in ARRL membership among FCC-licensed members.
 - C. The Joint Pacific-Southwestern Division ARRL Convention will be May 15-17, 1970.
 - D. Director W6KW reported 650 copies of the Division Questionnaire have been returned so far. Other items reported included:
 - a) FCC fee increase - ARRL will take a stand based on the fact that there is no proposed increase for commercial operator licenses.
 - b) Calif. license plate fees (reference March DIDI DUMDUM DIDI) are not expected to increase with new bills. (Legal counsel for LA Council concurred).

MINUTES OF MARCH MEETING (Continued)

- c) QST deliveries in Calif. have been investigated by WA6AUD, San Rafael Postmaster & ARRL Vice Director. QST reaches LA in 9 or 10 days. QST is delayed by local PO's up to two weeks. Full documentation is expected soon. April QST will be late due to inclusion of repeater docket.
- d) If you desire phone band expansion, write the Chairman of the ARRL Planning Committee.
- e) VHF Repeater docket appears restrictive. Copies are being sent to all affiliated Clubs. If docket is adopted now, it appears
 - * no more on-the-air testing
 - * no more beacon stations or OSCARSAdditionally, will define grounded-grid power input to include exciter plate power input, and will affect all who will operate Club stations.
- f) Re XEØ licensing: The political situation in Mexico is not helping re-instatement of XEØ licensing.
- g) K6KPS reportedly causing intentional interference again. LA hams are requested to call FCC monitoring station if this is heard.
- h) 1971 ARRL Convention on Queen Mary cancelled. Assoc. Radio Amateurs of Long Beach have requested a 1972 date instead. 1971 ARRL Convention will be held at Disneyland.

E. A legal counsel report by WA6ZCO indicated that non-profit groups (incorporated or not-incorporated) are now required to file Form 1070 with the Calif. Franchise Tax Board (with a \$5.00 filing fee beginning in 1971) If a Club has not received a form, it should be requested.

F. New QTH for ARRL Division Director:
John Griggs, W6KW
8122 "8" Opal Circle
Huntington Beach, Cal. 92647

- 11. Field Day Activity Manager Doug Heydon, WB6WDS, revealed planning is underway for Field Day, June 27-28, 1970. He noted that in Class 6A, we placed 4th in 1968 and 2nd in 1969. A detailed planning meeting is scheduled for March 30.

MINUTES OF MARCH MEETING (Continued)

12. Station Activity Manager Jerry Starkey, WA6LIJ, reported a check of the ambient noise problem at the station is underway with the power company.
13. Twelve door prizes were claimed by recipients, with Jack Koho acquiring several. Treasurer Bill Dews, K6AWO, was commended for his efforts in obtaining such valuable prizes with such a limited budget.
14. This meeting was informally abandoned at 1:00 PM.

Respectfully submitted,

Wm Thompson
Wm Thompson, W6PMV, Secretary

TREASURER'S REPORT

By Bill Dews (K6AWO)

Balance on Hand 1 March 1970 \$213.85

Receipts

Door Prize Tickets	\$ 4.50
QSL Cards	29.00
Dues	<u>16.00</u>

\$49.50 49.50

Cash Available \$263.35

Expenses

Door Prizes	4.62	<u>4.62</u>
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Balance on Hand 31 March 1970 \$258.73

NEW MEMBERS

- o Dick Treece (K6RT) is a real O.T., holding Extra class, and licensed 36 years. He works in control system research, is equipped for practically all modes and bands, and is a member of the Long Beach R.C.

NEW MEMBERS (Continued)

- o John Kihm (W6YGV) is another O.T., being a 29 year Advanced class license holder. He works in SVD Quality Assurance and has offered many good suggestions for club activity.
- o Fred Siebert (K3PNL) is an 11 year conditional ticket holder. He works on the OGO project as a communications and data handling subsystem engineer, stationed in Greenbelt, Maryland. He prefers 15 SSB, but is well equipped for VHF, too.

Welcome to you all!

NEWS FLASHES

By Ed Thornley (WA6JHD)

ENSENADA YACHT RACE NEEDS RADIO OPS

Johnnie Rothrock (W6MYC) reports that the Newport Ocean Sailing Association, sponsors of the Newport Beach - Ensenada Yacht Race, will need help in providing communications services from Thursday 30 April to Saturday 2 May 1970.

This operation will utilize a two motor network in Ensenada and a 40 motor link between XE1DDP in Ensenada and WB6RMA in Newport Beach. A power boat cruising with the sailing fleet will provide enroute communications between the fleet and the two shore stations.

A total of 9 operators will be required to man these networks. The TRW/ARC is being asked to provide 5 volunteers for this service. According to Johnnie, we will be manning the facilities located in Ensenada from 0800, 1 May to 1600, 2 May. It will be necessary for our group to arrive in Ensenada late Thursday afternoon in order to set up facilities and be ready to fire up at 0800 Friday.

Please call Johnnie at 69663 if you can help. Those of us who participated last year had a good time and enjoyed providing a necessary service.

ORBIT II

The TRW/ARC came through for the TRW Rallye Club on Sunday 5 April 1970. The Rallye Club on that date sponsored the sports car rallye "ORBIT II". We were asked to provide communications between check points to assist the rallye committee in keeping track of their contestants.

A network was established on 7210MC at 0730 on 5 April. Mobile units WA6JHD, K6AWO, WA6LIJ, K6GZF, W6CZL and W6YGV operated at the starting line located at Space Park and six check points along the rallye route. At each point, liaison was maintained with the rallye officials to assist them in their operations. W6FXZ and W6UMC operating from their home QTH's helped plug up some holes in the net by relaying traffic.

NEWS FLASHES (Continued)

We closed down the net at 1530 as the final cars were passed through the last check point. The rallye finish line was located near the Orange County Airport. All 42 cars entered in the rallye were accounted for and we received a big "Thank You" from Paul Miskei, President of the Rallye Club and Bill Rector, Rallyemaster.

We learned a few lessons in this operation that will be helpful in setting up a permanent mobile emergency network. We also raised a few questions that require a bit of pondering. I'd like to pass these thoughts and questions along for your consideration and comment:

1. Organization - How do we organize an emergency mobile net and activate it on short notice?
2. Operating Frequency - All our volunteers for "ORBIT II" had 40 meter mobile capability, but we would have been in bad shape without the two fixed stations to plug some holes. 40 meter does have an advantage in that we have immediate access to the West Coast Amateur Radio Service on 7255 KC in event of emergencies requiring police, fire or medical aid. But would 2 meter, or 75 meter provide better local propagation?
3. Primary Power - Some of us with high powered SSB mobile gear have problems keeping that car battery up. Run the engine while parked for an extended period? Some cars overheat that way. Run the rig with the engine off and periodically re-charge your battery? Maybe low power two-meter gear is the answer!
4. Spare Gear (Or OP's) - Like the Boy Scouts' motto, "Be Prepared". We carried our spare mike and were glad we had it when our regular mike failed. But what would we have done if our rig had gone South? Maybe two mobile rigs at each QTH is the answer.

The above points to ponder are intended to encourage interest in establishing a TRW/ARC emergency mobile net. How about it, can we do it? How about a volunteer to take on the responsibility of mobile net coordinator? Give me a call at 62845!

TRW CUT-BACKS HIT CLUB

With the decline in TRW employment, the club has been hit again. We are sorry to announce that Fred Reed and Don Battell have terminated their association with TRW, but not with the club. Fred, as you all know, has carried our club QSL card product ever since its inception, in addition to participating in every club activity. Don had only recently joined the club and hadn't had a chance to get involved.

But both Fred and Don will continue as associate members and we will look forward to their continued participation in club activities. We want to wish them best of luck in their future endeavors.

NEWS FLASHES (Continued)

QSL CARDS

The new club QSL cards featuring the Lunar Module approaching the moon were scheduled to be shipped by 17 April. We should have samples to view at the April meeting. Art Buss, our local over-printer will start filling the orders already placed for individual cards. For those of you who have not placed your order, pull the order blank from your February "Cross Talk" and shoot it in to me at R6/2174. If you don't have an order blank, give me a call at 62845.

By the way, with Fred Reed's departure, a new QSL card manager is badly needed. We need a live wire replacement for this key job. The work entails processing orders, placing them with Art (who lives in Burbank), picking up finished cards and getting them to the requestor. Do I hear a volunteer?

L.A. COUNCIL OF AMATEUR RADIO CLUBS

Our club maintains membership in the L.A. council which is an important tie-in with other clubs in the Los Angeles Metropolitan area. We need a delegate to the council, which meets on a bi-monthly schedule in Alhambra. We thought we filled that spot last month with Don Etheredge, but Don too has joined the ranks of ex-TRW employees. So who would like to be our delegate? The principal function is attendance at the Bi-Monthly meeting and reporting proceedings to the club. A nice job for anyone who wants to help. Give me a call at 62845!

DEWS NEEDS DUES!

Treasurer Dews has checked his records and finds the following members in the precarious position of membership expiration!

<u>NAME</u>	<u>EXPIRATION DATE</u>
D. Weber	4-24-70
E. Shideler	3-14-70
D. Wilson	3-27-70
T. Culion	3-12-70
E. Bianchi	4-18-70
J. Parsons	3-22-70
H. Bonish	3-2-70
A. Conn	3-13-70
G. Stanton	2-22-70
O. Saunders	2-9-70

Get your two bucks to Bill at R5/2230 post-haste, fellows, so we can keep you in good standing!

NEWS FLASHES (Continued)

MEMBERSHIP UP-DATE FORMS

Treasurer Dews also reports he has received 34 membership up-date forms so far. This was published in the March "Cross Talk". We need this info from all members, for proper maintenance of club records and to support our ARRL affiliation. Bill did some computation and says that the 34 members who have submitted their form have a cumulative total of 554 years of amateur radio experience! How about that!

For those of you who haven't submitted your form, how about taking a few minutes right now to do it. I'll bet we could easily show a grand total of 1200 years in our club.

W6LS HAMFEST

The 1970 Lockheed Burbank Hamfest will be held on Saturday, May 9 from 10:00 a.m. to 10:00 p.m. at the Lockheed Employees Recreation Club, 2814 Empire Ave., in Burbank. Arrangements have been made with the Lockheed Club for tickets to be available from Bill Thompson (E2/6062) and they will be on sale at our April Club meeting. The pre-registration prize is a Galaxy FM-210 with matching AC-210 power booster/ac supply.

This annual hamfest is well worth your attendance. Special programs will feature talks on linear amplifiers, electrical interference, and FM. Displays will be set up by Electronic City, Ham Radio Magazine, Henry Radio, Hy-Gain, M and M Engraving, Navy MARS Tri-Ex, Varitronics, SCE Interface Testing Van, Swan, and Tristao.

The Lockheed Club Trustee, Bill Welsh (W6DDB) has extended a special invitation to our club's members; let's visit them and share their special annual hamfest!

Ed (WA6JHD)

TRADING POST

FOR SALE

RDO VHF-UHF Receiver (similar to APR-4), plug-ins for 30 to 1000 MHZ, autoscan;
LM-13 frequency meter with original calibration book; Low Noise (417A cascode)
2 meter converter; ARC-4 2 meter transceiver 20W AM/CW.

Al Cellier, Ext. 62281 or 378-0110

(WA6CFE)