



Amateur Radio Club WB6WPO

cross talk

A MONTHLY NEWS BULLETIN OF TRW AMATEUR RADIO CLUB

Sponsored by Systems Employee Association

April 1972

Vol. V No. 4

TRW/ARC Net Saturdays
7.280 MHz 1000 PST



President
Vice-President
Secretary
Treasurer
Activity Manager
Trustee
Cross-Talk Editor
Training Manager
SEA Council Rep
QSL Manager
Emergency Coordinator
Field Day Chairman
Membership Chairman
Publicity Manager

Paul Weisz, K6PSE
Bob Goad, WB6KVE
Jerry Dean, WA6GVO
Frank Halligan, WB6GBC
Mac McGrew, W6YCZ
Carl Rothrock, W6MYC
Ed Thornley, WA6JHD
Al Lee, W6KQI
Jack Koho, WN6QKM
Ted Carter, WN6PAS
Al Lee, W6KQI
Doug Freeman, W6NHX
Ted Carter, WN6PAS
Doug Heydon, WB6WDS

E1/1019	63475
R5/B131	51884
R3/1072	62571
R4/1090	51090
S/365	53380
S/389	50345
R6/2188	52621
R5/1171	61673
S/1471	53285
E1/4037	62006
R5/1171	61673
M4/2243	53126
E1/4037	62006
M3/2087	50454

APRIL MEETING

Mr. Jack Dickinson

Comcraft Company
Goleta, Calif.

Discussion and Display
Comcraft Ham Gear

26 April 1200-1300
R2-1055

THE PREZ SEZ

By Paul Weisz, K6PSE

Our last meeting was an outstanding success, by any measure I can think of. Fred Reed, W6UMC, presented an excellent expose on the mysterious Cubical Quad antenna, and we owe him a vote of thanks for coming all the way from Monterey Park to unravel the mysteries. It is also appropriate for us to express our thanks to Hy-Gain Corporation who sharply reduced the cost to the club of the Balun door prize, and to LA Electronix Sales, who provided additional discounted and donated door prizes.

There is nothing much new to report this month. The programs initiated at the beginning of the year are going well, with no particularly outstanding problems (translation: chaos as usual). What with the training program and the improvement in company posture, the roster is being increased by novice candidates and seasoned amateurs in significant

numbers. To the extent that growth implies health, we are healthy.

It is, however, time now for individual club members to stand and be counted. There is an urgent need for help from you in two important areas.

* In order to complete our Novice training course in an orderly manner, we need tutors (one per student) to commit themselves to assist candidates with individual instruction, and to administer the FCC exams. Any General (we have 12), Advanced(21) or Extra (4) Class amateur is capable of performing this important function, and should be not just willing but enthusiastic about doing so. Contact Al Lee to arrange to tutor Novice Theory or 5-WPM CW during the next month or two. Try it, you'll like it!

* Field Day is fast approaching, and Doug Freeman is up to his navel in working the many details that must be resolved if we are to repeat last year's success. There is a need for operators(Licensed Novice and higher), loggers (no license required) logistics personnel, and many other types (including admiring spectators). Every member of the club, regardless of skill level or experience, can help. Family members(YL's, XYL's, OM's Harmonics) are cordially invited to participate. Anyone who liked Disneyland and/or World War Two will love Field Day! Call Doug Freeman Now!

73, Paul

WB6WPO LOG CHECK

Fairly intense activity this month. Between 12 February and 16 March, four operators logged 42 QSO's at the club station, and TRW Saturday Net Operations were conducted on three occasions. Much of the upsurge was due to the discovery of the facility by former member Jack Clarke, WB6TCR who has just rejoined the club after several years absence. Jack earned the thanks of all of us, incidentally, by repairing the club's paper tape code machine (older than he is) between QSO's. Jack is with the R & D Communications Lab. It is interesting to note that he organized a small CW net on 2 meters to get his code speed up and made the big move from Technician to Advanced Class. Nice to have you back in the club, Jack.

DISCOUNT DEALS

Members and potential members are reminded to take advantage of the discount arrangements for members at L.A. Electronix Sales, 23044 S. Crenshaw Blvd, Torrance and Electronic City, 4001 W. Burbank Blvd, Burbank. Identify yourself as a TRW/ARC member and get your discount card. Our thanks to the owners of these establishments for providing thses deals to our members.

NOVICES ATTENTION

Field Day this year will include a novice station manned by Ted Carter, WN6PAS, Jack Koho, WN6QKM and if the work schedule permits, Steve Shane, WN6NRQ, plus all the graduates of our current novice class who can make it. Please call Ted Carter, Ext 62006 for further details about the Novice Station at Field Day. Why not join in the fun?

MINUTES MARCH EXECUTIVE COMMITTEE

SECRETARY'S REPORT

By: Jerry Dean, WA6GVO

The monthly meeting of the TRW Systems Amateur Radio Club Executive Board was called to order at 12:15 on Tuesday, March 14, 1972 in S/1353 by President Paul Weisz, K6PSE. Attendees were Paul Weisz, Frank Halligan, Mac McGrew, Al Lee, Bill Dews, Bob Goad, Jerry Dean, Jack Koho, and Ted Carter.

1. Most of the meeting was spent in informal discussion concerning our ability (or lack thereof) to raise funds. The depth of this discussion prompted President Paul to form a subcommittee (described later) to solve this problem.
2. It was reported that the club training program is underway with ten students in the novice class.
3. Mel Murphy's antenna has been removed, and WB6WPO now has the TTY in it's possession.
4. Dean motioned, Halligan seconded, that the club will provide an amateur RTTY capability for WB6WPO. Motion carried.

Meeting suspended at 1300.

The meeting resumed at 1207 on March 22, 1972. In attendance were Koho, Carter, Freeman, McGrew, Rothrock, Halligan, Weisz, Dean, Heydon, Lee, and Thornley.

5. As a result of the previous session of the Board, President Paul appointed a committee to study ways of keeping the club appropriately funded and report to the executive board and the club. Members will be Weisz, Thornley, Halligan, Heydon, and Carter.
6. Rothrock motioned, Thornley seconded, that the club will purchase a Hy-Gain Balun to raffle off. Motion carried.
7. Thornley motioned, Dean seconded, that Doug Heydon be authorized to spend \$15 on raffle material to be raffled off in the next two meetings. Material is to include a new ARRL Handbook. Motion carried.
8. Halligan motioned, Koho seconded, that the treasurer is hereby authorized to renew all magazine subscriptions automatically until further notice. Motion carried.

Meeting adjourned at 1304.

Respectfully submitted,
Jerry Dean, WA6GVO
Secretary

MINUTES APRIL EXECUTIVE COMMITTEE

SECRETARY'S REPORT

By: Jerry Dean, WA6GVO

The monthly meeting of the TRW Systems Amateur Radio Club Executive Board was called to order at 12:09 on Tuesday, April 11, 1972 in S/1480 by President Paul Weisz, K6PSE. Attendees were Halligan, Thornley, Weisz, Rothrock, Dean, Lee, Freeman, Koho, Carter, and Heydon.

1. President Paul indicated that the first meeting of the committee on club finances is tentatively scheduled for April 27 at Paul's home.
2. Halligan motioned, Koho seconded, that the club will purchase two VSWR meters from Heath at 50% off the normal price of \$17.95 each. Meters are to be raffled off at future club meetings. Motion carried.
3. Thornley motioned, Koho seconded, that the club will purchase the coffee pot from the Components Lab (75 cup - same as used on Field Day). Motion carried.
4. Freeman summarized the activities concerning the Field Day committee and indicated the approaching need of funds.
5. Halligan motioned, Thornley seconded, that the treasurer will set aside \$100 for initial funding of Field Day. Motion carried.
6. Paul suggested an evening meeting for TRW/ARC. Subject was tabled for future consideration.
7. Koho motioned, Thornley seconded, that the club will raffle off 1 VSWR meter at each of the next two general meetings. Motion carried.

Meeting adjourned at 1305.

Respectfully submitted,
Jerry Dean, WA6GVO
Secretary

TREASURER'S REPORTby Frank Halligan, WB6GBC

Balance on hand 29 February 1972

\$ 208.91

Receipts

Dues	32.00
Student Fees	8.00
Door prize tickets	21.00
SEA Allotment	43.40

Total receipts	104.40
----------------	--------

Expenses

Texts (novice class)	37.80
Ham Radio Sub.(3 yr)	12.00
CQ Mag Sub.(3 yr)	15.00
Callbook Supplement	6.00
Door Prizes(Manuals)	12.60
Postage(Cross-Talk)	8.00

Total expenses	91.40
----------------	-------

Balance on hand 31 March 1972

\$ 221.91

Published as a part of this issue of the Cross-Talk, is the auditors report of the club's financial data for the year ending 31 December 1971. I would like to express my appreciation to Mr. W. R. Pattinson for his assistance in the preparation of the financial schedules that make up the report. The annyal audit is specified in the club constitution and if any further financial information is required, the "books" are available for inspection by contacting the treasurer.

For those members who are interested in club membership statistics, I have just finished talking to our computer, and it gave forth the following data:

	Class of license held						
	None	Novice	Tech	Cond/Gen	Adv	Extra	Total
Regular Members	12	3	2	13	21	4	55
Assoc/Honorary Members	4	1	1	6	5	6	23
Totals	16(21%)	4(5%)	3(4%)	19(24%)	26(33%)	10(13%)	78

Observing these statistics, one notes the effect of our Novice Class, which is made up of 10 students working hard toward their first ticket. Also note the high percentage of Advanced Class tickets.

The income and expense report of the current Novice Class is noted as follows:

Income(Student fees)	\$ 40.00
Expenses(Textbooks)	46.49
Net cost	\$ 6.49

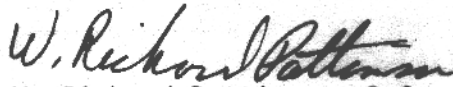
As noted at the March meeting by all present, a nice collection of door prizes were carried away by lucky winners. The intention of the FB prizes is to spark more member participation in the monthly club meetings and (hopefully) add a few bucks to the club treasury. (You haven't seen the report yet, but we just issued a check for \$ 106.15 for a brand-new Heath HW-16 Novice Transceiver for the club station!!) So keep up your support of the club by purchasing door prize tickets at our meetings.

AUDITOR'S REPORT

To The Club Members
TRW Systems Group Amateur Radio Club

I have examined the balance sheet of TRW Systems Group Amateur Radio Club as of December 31, 1971, the related statement of cash flow and the statement of source and application of funds for the year then ended. This examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as I considered necessary in the circumstances.

In my opinion, based upon my examination, the accompanying financial statements present fairly the financial position of the TRW Systems Group Amateur Radio Club as of December 31, 1971.


W. Richard Pattinson, B.S.
Senior Budget Analyst

Redondo Beach, California
March 31, 1972

TRW SYSTEMS GROUP AMATEUR RADIO CLUB

Balance Sheet
(For year ending December 31, 1971)

ASSETS

Current Assets

Cash	\$ 134.21	
Preprinted QSL Cards	40.00	
Miscellaneous Electronic Parts	<u>50.00</u>	
Total Current Assets		<u>\$ 224.21</u>

Fixed Assets

Electronic Equipment (Schedule A)	\$4087.00	
Small Tools	<u>30.00</u>	
Total Fixed Assets		<u>\$4117.00</u>
Total Assets		<u><u>\$4341.21</u></u>

Total Liabilities		\$ -0-
-------------------	--	--------

Total Club Member's Equity		<u><u>\$4341.21</u></u>
----------------------------	--	-------------------------

TRW SYSTEMS AMATEUR RADIO CLUB

1971 Cash Flow Statement

Beginning Cash Balance - January 1, 1971:

Checking Account (regular)	\$ 64.78	
TRW Systems Credit Union	<u>204.35</u>	
Total Beginning Balance		\$ 269.13

JANUARY:

Receipts	39.50	
Outlays	<u>11.46</u>	
Monthly Balance	28.04	297.17

FEBRUARY:

Receipts	55.40	
Outlays	<u>52.50</u>	
Monthly Balance	2.90	300.07

MARCH:

Receipts	20.50	
Outlays	<u>24.50</u>	
Monthly Balance	(4.00)	296.07

APRIL:

Receipts	58.50	
Outlays	<u>239.47</u>	
Monthly Balance	(180.97)	115.10

MAY:

Receipts	252.75	
Outlays	<u>251.91</u>	
Monthly Balance	.84	115.94

JUNE:

Receipts	8.25	
Outlays	<u>34.22</u>	
Monthly Balance	(25.97)	89.97

JULY:

Receipts:	4.15	
Outlays	<u>75.00</u>	
Monthly Balance	(70.85)	19.12

TRW SYSTEMS AMATEUR RADIO CLUB (continued)
1971 CASH FLOW STATEMENT

AUGUST:

Receipts	\$ 56.40	\$
Outlays	0	
Monthly Balance	<u>56.40</u>	<u>75.52</u>

SEPTEMBER:

Receipts	14.50	
Outlays	21.60	
Monthly Balance	<u>(7.10)</u>	<u>68.42</u>

OCTOBER:

Receipts	34.00	
Outlays	6.29	
Monthly Balance	<u>27.71</u>	<u>96.13</u>

NOVEMBER:

Receipts	168.20	
Outlays	148.02	
Monthly Balance	<u>20.18</u>	<u>116.31</u>

DECEMBER:

Receipts	17.90	
Outlays	0	
Monthly Balance	<u>17.90</u>	<u>134.21</u>

Ending Cash Balance - December 31, 1971:

Checking Account (Regular)	78.91	
TRW Systems Credit Union	<u>55.30</u>	
		<u>\$ 134.21</u>

TRW SYSTEMS AMATEUR RADIO CLUB

Statement of Sources and Uses of Funds
(for Year Ending December 31, 1971)

Beginning Cash Balance: \$ 269.13

SOURCES OF FUNDS

Deposits by Members (Hamfeasts)	\$ 305.75
Systems Employee Association Allotment	184.00
Membership Dues	140.00
Sale of QSL cards	73.50
Raffles and Door Prizes	20.00
Sale of Obsolete OGO QSL's	6.50
Dividends from TRW Credit Union	.30
Total Sources	<u>\$ 730.05</u>

USES OF FUNDS

Hamfeasts	\$ 300.09
Purchase of Equipment	204.33
Field Day Expenses	115.22
Magazine Subscriptions	44.17
QSL Card Printing	40.60
Postage	37.74
Maintenance and Repairs of Equipment	31.47
U.S. Callbook	30.00
Handbooks and Manuals	28.20
Guest Lunches	11.50
Trophy	5.78
Property Stamp	4.99
Film	4.82
Projector Rental	3.50
Miscellaneous Reproduction Expense	1.60
Refreshments	.96
Total Uses	<u>\$ 864.97</u>

ENDING CASH BALANCE. \$ 134.21

TRW SYSTEMS GROUP AMATEUR RADIO CLUB

Schedule B
Notes to Financial Statements

Cash Accounts

The current cash journal is adequate with the exception of the treatment of cash inflows and outflows associated with the Credit Union account. The present system reports only that portion of the Credit Union account currently transferred to the regular checking account. A recommended procedure would be to include the total funds from both cash accounts in the balances of the cash journal.

Equipment Inventory and Present Valuation

The present physical location of most of the fixed assets could present a problem with respect to their free movement. Under current circumstances it is difficult to ascertain Club owned equipment from Member owned, Host owned or other escheatable property. A recommended procedure would be to conduct a physical inventory of these assets and place a controllable identification tag on each Amateur Radio Club asset. Identification should also be made on any escheatable and non-owned assets at that time.

Also, since the assets listed on Schedule A are not subject to depreciation procedures, periodic re-evaluation should be made. A recommended procedure would be to accomplish an inventory re-evaluation of assets at the time of the physical inventory.

FIELD DAY REPORT

By Doug Freeman, W6NHX

I wish to report an historic first in TRW/ARC history. The other day, I had a phone call from a member who was actually volunteering to work on Field Day preparations without being asked! Who was it?..... Novice Class student Greg Loegering. Thanks Greg, your help will be appreciated.

The first Field Day committee meeting was held on 5 April at Jake's Coffee Shop. Present were Ted Carter (Novice), Fred Reed (10-20-75 SSB), Bob Hume (15-40 CW), Al Lee (VHF), Bill Dews (Power), Paul Weisz (chow), and Ed Thornley (Logs). Other committee members unable to make the meeting are Doug Heydon (10-20-80 CW) and Bob Goad (15-40 SSB). As a result of the meeting, I feel we are probably better organized this year than ever before, but many things need to be done and additional volunteers are needed. A questionnaire is attached to this issue of Cross-Talk. Please complete it and return to me as soon as possible. As Field Day is less than three months away, we need to get on with the many preparations that need to be made.

73, Doug

CLUB LIBRARY

All members are reminded that the club provides for member use, copies of amateur periodicals and publications in the TRW Technical Library in Building S. Current copies of QST, CQ, 73 and Ham Radio magazines are on the Current Periodical shelves and back issues of these and other publications are on the club shelf. Ask the librarian on duty for assistance in using this material placed there by the club for your use.

CLUB CERTIFICATE

These columns have mentioned many times the fact that the club issues a special certificate to any amateur who makes two-way contact with any five club member stations. A recent submittal by an amateur whose name (and equipment) shall forever remain unknown was made in the form of a Xerox copy of his log for the particular set of five contacts. Careful inspection of the notes on the log revealed the following cryptic comment: "These guys all kept drifting down in frequency! - the whole time!" So when you submit your application for the club certificate, be careful to remove or delete any information that that might prove embarrassing. After all, the Cross-Talk receives very wide distribution.

CLUB MAIL STATION

Our outside correspondants are requested to address all mail to the club as follows:

TRW/ARC
c/o TRW Systems
Box S-1435
One Space Park
Redondo Beach, Calif. 90278

Your cooperation will help speed up distribution of your letters and bulletins.