

Amateur TRW Radio Club WB6WPO

cross talk

A MONTHLY NEWS BULLETIN OF TRW AMATEUR RADIO CLUB

WAC
WAS
DXCC
FD '71
FD '73



Sponsored by Systems Employee Association

Vol. VIII, No. 1 February 1974

TRW/ARC Sat/Sun Nets 10AM/PM PDT

Primary	7.280 MHz
Alternate	3.980 MHz
Simplex FM	146.550 MHz
Novice	7.140 MHz

February Meeting Reminder

Wednesday Noon
(Always the last Wednesday of month)

AMATEUR SATELLITE OPERATIONS
by Ed Arnn, WA3FVG/6

Bldg-Room R2-1055 Door Prizes!!

February Meeting Speaker

Ed, WA3FVG/6

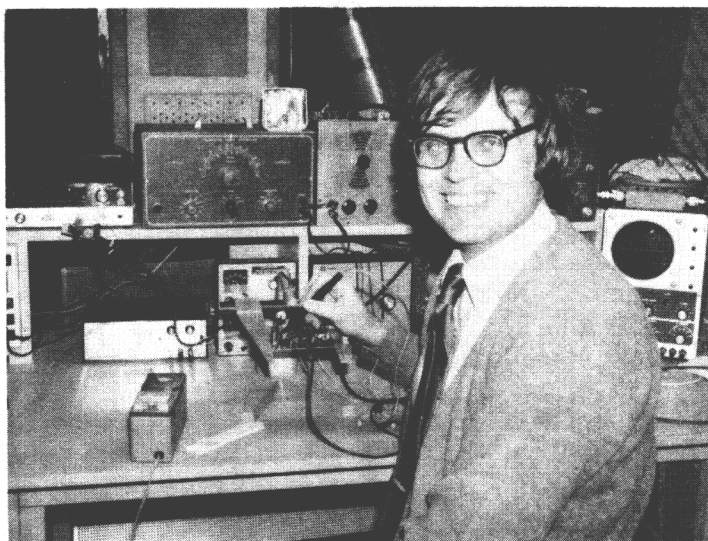


Photo by Dave, WB6IDJ

Your TRW/ARC is pleased to present as the feature attraction of the February club meeting, our own Associate Member, Ed Arnn, WA3FVG/6, who will discuss Amateur Satellite Operations. For those of you who were with the club for Field Day '73, you'll recall Ed with his little aluminum boxes connected to a Yagi and 10 M turnstile antenna to work 3 QSO's thru Oscar. (In fact if you'll check the November QST, you'll see a photo of Ed, with Frank (WA6RAY) and Greg (WA6SMS), making final antenna adjustments prior to the pass.)

Ed's main interests lie in building and experimenting, with the emphasis on VHF and UHF. He is active on 6M and 2M AM, as well as 220 MHz where he has a regular sked going. Occasionally he can be found on 10 M working toward his WAS (Worked All States).

Ed's background in space systems and Amateur Radio sparked his interest in the OSCAR program. He joined AMSAT prior to the Oscar 6 launch and built up a modest ground station for operating thru the 2M/10M translator. Last Fall, he also participated in the Oscar 7 flight tests of the 70cm/2M translator.

Ed holds BSEE/MSEE degrees from MIT, and is employed as a Staff Engineer, Control Systems Department, of the Hughes Aircraft Company in Culver City. Ed is presently the theory instructor for the TRW/ARC EXTRA License Classes, and he tells us that his other interests include trying to keep his wife and young daughter happy during those few hours a day between Hughes and conducting experiments in his garage lab.

THE PREZ SEZ

by FX Halligan, WB6GBC

New Appointments. We are pleased to announce that my appeal in last month's CrossTalk did not go completely unheeded for more membership involvement in club offices. Wally Linstruth will be our new RACES Coordinator, and has already begun planning on how RACES club members can become more involved in this worthwhile activity. We are still working on just what and where WB6WPO's equipment will consist of. Also, we are pleased to have Ferd Newhoffer become our club's SEA Club Council Representative; Ferd is a long time member of TRW/ARC, and we welcome his participation as representative for our club. And joining Al Lee (W6KQI) is Greg Loegering as Training Assistant.

Field Day Committee. Before Paul (K6YQ) got away from us for his 6 month TDY (Temporary Duty) to the Washington, D.C., area, he advised us that Doug (WB6WDS) would be team captain for 20 CW, Bob Hume (WB6AQF) would be handling 40 CW again this year, and that Fred Reed (W6UMC) has volunteered to captain the 75/15 SSB activity again this year.

FM Activity. I am still "shook-up" by the proliferation of FM gear among TRW/ARC club members since the club took the big step a little over two months ago by purchasing an ICOM 230 for WB6WPO. As of this writing, ICOM's are being operated by Dave (WB6IDJ), Bill Ivey (WA6QET), Stan (W6EKK), Mac (W6YCZ), and Rocky (W6MYC). In addition to the above, the Tempo has developed a rapid following in the last few weeks, and the following members are known to be on the air: Bill (K6AWO), Doug (W6NHX), Al (W6KQI), and Vic McGrew (K6UDI). And the other FM'er we know in the club is Ted (WA6PAS). The Saturday morning FM net is already a popular place to meet on 146.55 Simplex, with many of the new Tempos being rock-bound on the National Call Freq of 146.52 and/or repeaters.

And for the rest of us who are presently without FM gear, Shack Number 2 will probably be operational by the end of February (that's the M1 West Lobby). The desk and chairs are now in place, and just as soon as Al (W6KQI) and Mac (W6YCZ) obtain that extendable coaxial cable to hang between our new Ringo and the rig we'll be on the air!! (I'm already looking forward to the "coming out party!!")

TRW/ARC Nets. With this issue of CrossTalk, I have taken license with the Net days and times, not to mention having expanded the frequencies across four bands. I am sure that there are many members who no doubt have other activities during the 10AM 'til noon Saturday time slot (home projects, "honey-do" items, or just plain employment at the salt mines), and are not able to participate. So my suggestion is to designate the times as 10AM or 10PM, and to make it Saturdays or Sundays (and Holidays) as well. And the best way to see if anyone is "out-there" is to call "CQ-TRW". It has been suggested that a schedule be established for weekday evenings as well, suggestions will be gratefully accepted! And we'll be glad to publish them in coming CrossTalk issues. In the meantime, I understand that 40M was great last Saturday (2/16) morning!

Miscellaneous. Else where in this issue is a listing of member calls listed in sequence. The final 1973 Financial Statement of TRW/ARC has been submitted by Jerry Dean (WA6GVO) to the Systems Employees' Association, and also is published in part, in this issue of CrossTalk.

CUL,

Frank

MEMBERSHIP -

I am delighted to be able to report 1974 off to a prolific start; January already having spawned three new members. We warmly welcome:-

1. W7IMP - JACK MASTERMAN
2. WA6CGR - DAVE GLAWSON
3. WN6APQ - FLOYD YAMAUCHI

Jack (W7IMP), a sixteen-year veteran of ham radio, is with TRW Data Systems, Oregon; is President of Portland's Amateur Radio Club; is active on 6m, 2m, and 3/4m, and used an FT101 with a Linear Amplifier (home brew). Seems he's a versatile chap. No doubt, we shall be hearing from him on the Club net.

Dave, (WA6CGR) of Lomita, is a member of the Pallisades A.R.C., and the Marina A.R.C.; is building an open channel 220MHz FM Repeater - frequencies:- input 222.70, output 224.30, and would welcome any TRW users when the machine goes on the air in two to three months.

Floyd (WN6APQ) of Los Angeles, is a novice of six months; operates an HW16; prefers lunchtime club meetings, and is interested in construction projects.

If new membership continues as rapidly throughout the remainder of '74, the envisaged second Station will materialize with seemingly little effort. QSL ???

FRANK J. MULLEN WA6RJF
Membership Chairman.

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FOR SALE: Yaesu FTDX560 transceiver, matching phone patch and speaker. All in brand new condition. \$450.00. Call Joel Wineman, X52275.

WANTED: Heath HX-10, Marauder, transmitter, w/manuals. SSB for teletype usage. Please call Jerry Dean, X61612.

THE TRAINING PROGRAM

by Al Lee, W6KQI

Classes. What a surprising response to the third General class course, and the second Extra class course offered by TRW/ARC. There are 16 General and 8 Extra class students, resulting in five new members to the club. That means that many of the present members are taking part and trying to upgrade their licenses.

A lot of thanks have to be given to the instructors who are volunteering their own time and efforts to make the courses succeed. Wade Walstrom (WA6TXE) is teaching General theory; Frank Cartier (WA6RAY) is handling General CW, and is assisted by Greg Loegering (WA6SMS). Ed Arnn (see page 1) teaches the Extra theory and I run the tapes for Extra Class CW. It looks as if the training classes may be a part of our club activities for a long time to come!!

Another Ham in the Family. Dave (WB6IDJ) and Connie Gilmore (WN6SKM) may have competition in the future for using the family rigs because their daughter, Phyllis, is now WN6CAG. All are presently enrolled in the General class course. Phyllis completed her Novice course last September and after some delays has now received her call. Congratulations, Phyllis!!

New Call. Chuck Davis, a recent graduate of our Novice class, became very active working his father-in-law, who is TRW/ARC Associate Member Jim Townsend (W7GGZ) of Sun City, Arizona. Chuch enrolled in the new General class course, but immediately went down and passed his general and advanced exams, so he will be WA6BDL when his ticket arrives.

TREASURER'S REPORT

by Susan Kennedy, WN6TXV

Balance on hand December 31, 1973 \$332.15

Receipts

January Raffle	\$ 8.25
Dues (renewals)	42.00
Dues (new)	8.00
General class	91.00
Extra class	57.00
	<u>\$206.25</u>

Expenses

CU Payment	\$ 20.00
Dinner Refund (Dec.)	7.50
Door Prizes (Dec.)	8.35
Photo Supplies	19.53
Dues (LAA Council)	2.00
Stamps (Crosstalk)	8.00
Class Materials	57.44
	<u>\$124.82</u>

Balance on hand February 12, 1974 \$413.58

SECRETARY'S REPORT by Joel R. Wineman, WA6WRB

The meeting was called to order at 12:05pm on February 12, 1974, in E1-3068 by President, F.X. Halligan. Present were: Freeman, Kennedy, Weisz, Wineman, Gleed, Heydon, Lee, Linstruth, Mullen, Saunders, and Newhoffer.

Old Business

- 1) Heydon discussed the club constitution and cleared-up certain parliamentary questions that were asked in previous meetings. The present constitution was revised in November, 1968.
- 2) Freeman informed the Board that a letter is forthcoming from the FCC with word on our club station license. The thrust of this letter is not known.
- 3) Lee and Freeman announced the M1 Lobby Shack is progressing well. A desk, file cabinet, chairs, and table are on order. The Ringo Antenna is in place on the roof and the M2 Receptionist has the key to the shack. As soon as the mods. to the ICOM are made, it will be secured in the shack. Station hours will be daily 7:00am to 7:00pm; additional hours are being worked out.

New Business

- 1) Paul Weisz is relocating to Washington, D.C. for 6 months; and will need to relinquish his post as Field Day Chairman.
- 2) Carl Rothrock is on medical leave for an undetermined duration. The secretary was asked to send a get well card to Carl on behalf of his friends in the club.

New Business (continued)

- 3) Freeman moved, and Weisz seconded, an allocation of \$50 (max.) for the M1 Shack hardware. This includes the \$30.25 spent for the Ringo Antenna, mast, & cable. The motion passed.
- 4) Freeman moved, and Weisz seconded, that a subscription to the U.S. and D.X. Call Books be bought for the old shack and a U.S. Call Book be bought for the M1 Shack. The motion passed.
- 5) Halligan announced the appointment of Wally Linstruth as RACES coordinator and Ferd Newhoffer as SEA Representative.
- 6) Secretary's note: Anyone who would like to send a personal note to Carl Rothrock may send it to:

Mr. Carl Rothrock Jr.

1010 19th Street

Costa Mesa, Ca. 92626

Phone (714) 548-6052

Meeting adjourned at 1305.

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Technical Articles Solicited

The CrossTalk needs your contributions. Technical and informative articles are solicited for future issues. Have you got a subject that would be of general interest to present at our regular monthly meetings?? If so, get in touch with the Program Chairman (than's Frank Cartier (WA6RAY), who can be reached by calling x53446) so that you can be scheduled. If you have any suggestions for future programs, please contact Frank.

TRW SYSTEMS AMATEUR RADIO CLUBStatement of Sources and Uses of Funds
(for year ending December 31, 1973)

Beginning Cash Balance:	\$ 362.71	
Deposit Adjustment :	<u>.50</u>	
	\$ 363.21 \$ 363.21

SOURCES OF FUNDS

SEA Allotments	\$ 401.25
License Classes	160.00
Membership Dues	234.00
Sale of QSL Cards	190.25
Chances on Door Prizes	104.50
Badge Sales	13.70
TRW Credit Union Dividend	10.65
ARRL Memberships	23.00
Tickets for Annual Dinner Meeting	292.50
Credit Union Loan	<u>225.00</u>
Total Sources	\$ 1654.85

USES OF FUNDS

QSL Card Printing/Handling	\$ 143.35
License Course Materials	90.41
Field Day Expenses	174.47
Magazines/Publications	22.50
Crosstalk/WB6WPO Postage	81.12
Misc. Stationary Supplies	7.91
Mileage and Dues for 10-10 Net	9.50
Code Practice Table	20.00
Badge	1.50
Door Prizes	134.22
Guest Lunch	3.00
Gummed QSL Card Labels	26.25
ARRL Memberships	30.00
Dues -- L. A. Council of Radio Clubs	2.00
Room Rental for Evening Meeting	10.00
LOGO Contest Prizes	35.00
Expenses for Annual Dinner Meeting	86.02
ICOM-FM Sales	420.00
Cockatoo Inn	381.60
Bank Service Charge	<u>7.06</u>
Total Uses	\$ 1685.91

ENDING CASH BALANCE	\$ 332.15
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J. L. Dean
 J. L. Dean, WA6GVO
 Treasurer, TRW/ARC

TRW SYSTEMS AMATEUR RADIO CLUB

Balance Sheet
(For year ending December 31, 1973)ASSETS

Cash	\$ 332.15	
Preprinted QSL Cards	97.00	
Misc. Electronic Parts	15.00	
Small Tools	15.00	
Station Equipment(Schedule A)	<u>2437.00</u>	
Total Assets		\$ 2896.15

LIABILITIES

Credit Union Loan	\$ 225.00	
Interest on Loan	<u>9.10</u>	
Total Liabilities		\$ 234.10

Total Club Member's Equity		\$ 2662.05
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