



# cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



WAC  
WAS  
DXCC  
FD'71  
FD'73  
FD'75

JANUARY, 1976

TRW/ARC Saturday Morning Nets 10AM LT

Primary	7.280 MHz
Secondary	3.980 MHz
Novice	7.140 MHz
Simplex	147.510 MHz

## THE CROSSTALK

The CROSSTALK, as the monthly bulletin of the TRW/ARC, has grown greatly in stature and distribution over the years. I have been surprised on numerous occasions, on the air and in other parts of the country, to learn how widely read and well thought of the CROSSTALK is. Following in the footsteps of our past editors, Frank Halligan, Ed Thornley and Doug Heydon, I can only hope to continue the fine tradition they established.

The CROSSTALK is only as good as its contents. We all want to read about interesting things YOU are doing. We want to publish YOUR vies on the important (or unimportant) issues facing amateur radio. YOUR CONTRIBUTIONS ARE SOLICITED.

## THE JANUARY MEETING

Frank Halligan, W6RLN, our new vice president, has scored a coup the first time out. Our guest on January 28 will be Herbert H. (Pete) Hoover III, W6APW. Mr. Hoover has a distinguished record in amateur radio, and has now assumed a post of great responsibility in the intensive preparatory efforts for the World Administrative Radio Conference (WARC) scheduled for 1979. He is head of the Basis And Purpose task group, which will define, for conference purposes, the role of amateur radio in the overall telecommunications scheme for the rest of this century. We can all look forward with great interest to the January meeting.

\*\*\* MEETING REMINDER \*\*\* R2-1055

Always the last Wednesday at noon

Subject: The World Administrative  
Radio Conference- 1979

Speaker: Herbert H. Hoover III

## TRAINING COURSE INSTRUCTORS NEEDED

Some four years ago, when the TRW/ARC Training Program got underway, it became apparent that training has to be a community effort rather than the product of one person's work. There is no way that any individual can do all of the planning, logistics, advertising, and instructional tasks required for a successful training program.

Chuck Davis, WA6BDL, as successor to Al Lee, W6KQI, our first Training Manager, has organized license classes, scheduled to begin in late January. A general class course has been definitized, and a Novice Class course is also being considered. There is an urgent need for CW and Theory instructors to help conduct these courses.

The TRW/ARC is fortunate in that we have a substantial number of higher class licensees. Anyone with an Advanced Class ticket is qualified to teach at that level or lower levels. Anyone with a general class or tech license is qualified to instruct Novice candidates.

No major commitments are being asked of any instructor - if you can teach two sessions per week for a month, it will be greatly appreciated. It is probably not necessary to present a scolding sermon to our club members on the subject of the Amateur's Obligation to Help Newcomers to our fraternity, so I won't. Suffice it to say that the teaching experience is a very rewarding one.

Call Chuck Davis, WA6BDL, at Extension 63400, for information on how you can help, and scheduling of the training sessions. The training program performs one of the most important functions this club has.

## FOR SALE

### TWO METER ANTENNA

RINGO RANGER Two Meter Vertical (three half waves in phase - 6db gain over a quarter wave spike) about nine feet high, ready to mount on your mast. Used for only two months. Price: \$18.00- Call Paul Weisz, 535-2822(days)

TREASURER'S REPORT

Balance on hand, 3 December, 1975 \$496.44

Receipts

Dues	25.75
New	7.25
Renewals	18.50
SEA Allotment, Second Quarter	125.00
ARRL Memberships	8.00
QSL Sales	21.00
	<u>179.75</u>

Expenses

ARRL Memberships	8.00
QSL Orders	26.50
Hamfeast Expenses	4.77
Stamps	.50
	<u>39.77</u>

Balance on hand, 31 December, 1975 \$636.42

FOR SALE

1. NOVICE OUTFIT

Heathkit HW-16 Transceiver  
HG-10B VFO

Drake TV24LP Low Pass Filter

Asking \$150.00; Contact Kevin Fielding, TRW Cleveland; 216-383-2185, (Office), or 216-944-6534(Home).

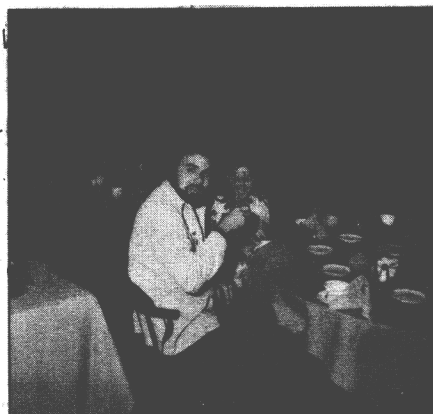
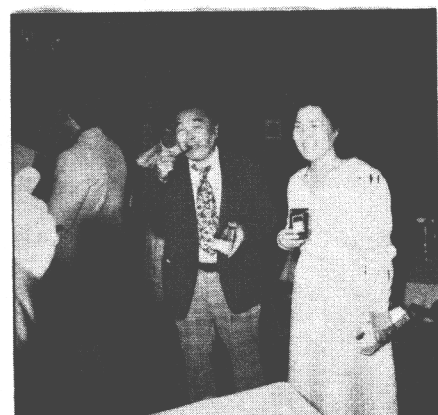
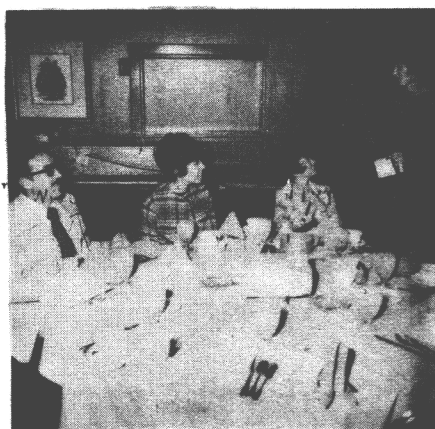
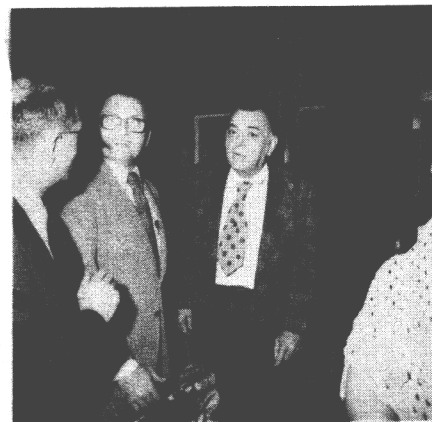
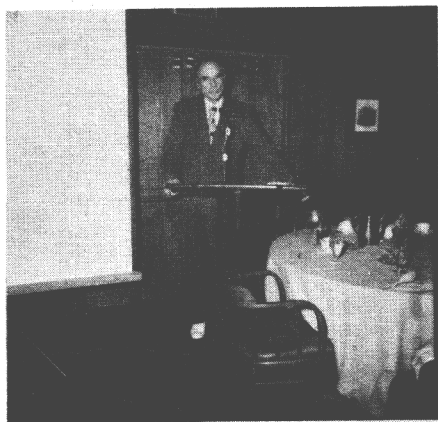
2. COMPLETE 2 KW SSB/CW SIX METER STATION

4-1000 2KW Amplifier, complete with	
6KV Choke Input Regulated Power Supply	\$300.00
Heath SB-110A SSB/CW Transceiver	300.00
AC Power Supply	10.00
Heath HP-13 DC Power Supply	50.00
Heath GH-12A PTT Microphone	10.00
Heath HS-24 8 Ohm Speaker	12.00
Heath SB-100-1 Mobile Mounting Bracket	15.00

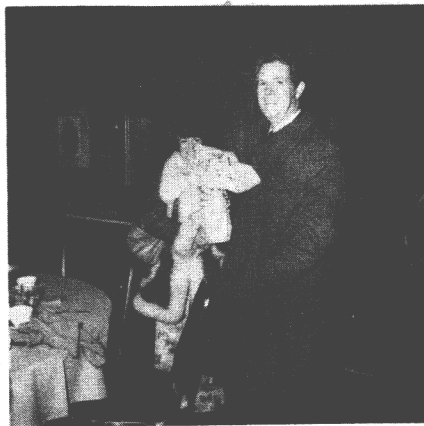
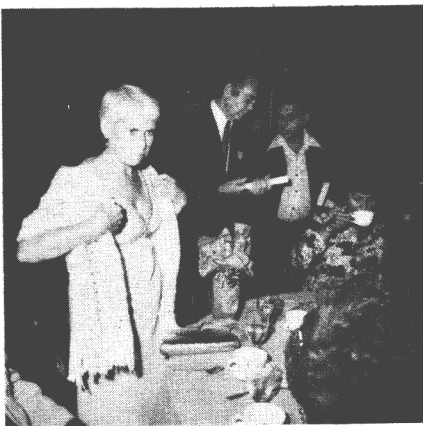
Call Peter Von Hagen, WA6HXM, 377-0881

THE 1975 TRW/ARC HAMFEAST

Herewith some scenes from the Queen Mary Bash last November. They were taken by Wayne Hale, W6IZK, who will shortly receive an offer<sup>ey</sup> he cant refuse to join the CROSSTALK photo staff.

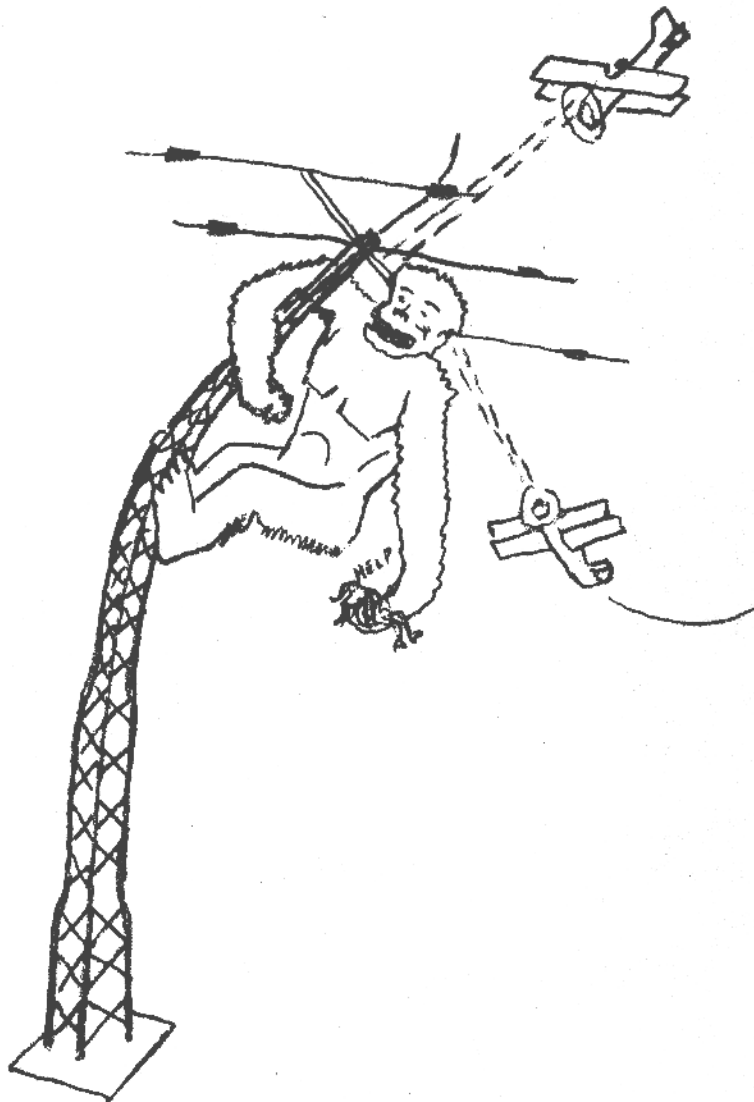


MORE HAMFEAST PIX



### LITERARY CREATIVITY DEPARTMENT

Reading a recent technical paper by Ralph Robinson, WA3YEE, I was struck by one of the illustrations, reproduced below, that purported to treat methods for exciting towers. Led to an idea for a novel (with definite movie possibilities) about this orangutang brought back from an African DXpedition by W6QRU. Said orangutang forms an attachment for a well-proportioned but overemotional YL, with whom he is forced to flee by an aroused populace. The couple seek refuge at the top of QRU's 92 foot unguyed tower, from which they are ultimately enticed by machine gun fire from 1931-vintage biplanes... a happy ending. (If club members would send in more material for CROSSTALK, this sort of thing could be prevented).



The 51 Clique (147.51)

by Bill Dews, K6AWO

In the past year, the club has had many new voices on the 51 channel. Some have come and gone already, while others have stayed. I would like to say a word about why.

1. The repeaters are just great but at the peak hours you find it impossible to get into a QSO (look it up) and really enjoy it.

2. So you take off on your own in search of a private channel and see what is going on. Maybe you get a 'contact' or just listen out some other guy's QSO.

3. Now it is time to get Xtal up on 51 and join the real fine group of TRW/ARC. You will be working Simplex from a mobile to mobile and it is just the same as twenty years ago, only now we use FM and the units (rigs) will make it at .25 UV for 20DB of quieting. Mobile to base will do an FB job for the 10 watts output.

4. The 51 channel has peak hours too. Many only listen while others get into whatever the group is talking about. You might take a look at the calls I will try to list and see if you really worked 51 last year or just the same old few Hi.

5. The breakfast group meets at the 'S' cafeteria each Friday at 0715 to eyeball. CZL, IZK, EKK and AWO are the iron boilerplates for last year.

I would like to see a big breakfast the first Friday before our general meeting each month. Listen on 51 and see if you can't make one of the twelve that will be scheduled for 1976. An early eyeball QSO will get you to really know that voice on 51 and the next time out you will remember the face along with the call. How about trying it one time?

The 51 Clique calls follow: IZK, TQY, EKK, TDU, UWJ, 6RLN, RLN(2nd), IDJ, AWO, TCR, YQ, FQ, RXD, PAS, TES, SCL, SKM, JPR, BDL, RAY, MYC, JIZ, XYL, NRQ, FVG, UMC, EMV, FPS, 1OW, PQY, QET, TDE, VCZ, YCZ, VBB, CZL, IEZ, FLL, KPC, FFR and HPD. (Calls not in order, if I missed yours, sorry.)

Did you work everyone last year? Try for a breakfast - let the XYL have a Friday morning off. CU on 51.

P.S. A new repeater RACES/TRW Club 147.075 (T), 147.675 (R), up and waiting for use.

EXECUTIVE COMMITTEE REPORT

By Ed Thornley, W6RXD

The first meeting of the new Executive Committee for 1976 was called to order by Prez Cartier at 1205 in his office on 7 January. Officers and members present were: Halligan, Carson, Thornley, Dews, Weisz, Davis and Freeman.

Prez Cartier welcomed the newly elected committee and extended his wishes for an active club program for the new year. The limited lunch hour time did not permit a full coverage of business items, however the following points were discussed and action taken.

1. Prez Cartier announced that John Pettinghill will serve as membership chairman for this year.
2. Freeman offered to coordinate packing and shipment of club ICOM 230 back to factory to restore same to working order. It was reported that rig died because of 40 volt spike out of power supply that zapped vital organ(s). Additional proposals discussed to add factory mods for 15 khz separation, reverse split and acquire ICOM power supply to minimize reoccurrence of spike problem. Freeman also proposed club establish a rental fee for member use of ICOM at home QTH. One dollar/day suggested with funds so collected to used for cost service, repairs and modifications. Decision deferred pending more discussion.

Dews moved, Halligan seconded motion to authorize repairs and mods to be made at a cost not to exceed \$ 100 unless authorized by Cartier. Motion was voted on and passed.

3. It was reported that Wally Linstruth's repeater was now on the air. 147.075 in, 147.675 out. This is an open repeater and all 2-meter FM'ers are invited to use it. Note that 147.075 is simplex freq for District 3 RACES so our RACES members will have multiple uses for any new crystals acquired for these frequencies.
4. General Class training course to commence 20 January in E1-4002. Time 5:30 to 7:00 PM Tuesday and Thursday. Davis reports seven students have signed so far. Instructors are still needed for theory and code. Halligan, McGrew, Davis, Weisz, Cartier and Thornley have volunteered to serve. Davis and Halligan will prepare news release to local papers for publicity and attraction of additional students.
6. Novice Class tentatively scheduled to start on 27 January during lunch hour on Tuesday and Thursday - location to be determined. McGrew has offered to instruct. Much discussion was held on what equipment and supplies needed. Considered club purchas Radio Shack-type kits for oscillator and have students assemble, or club sell/rent oscillator and key to students with buy-back arrangement. Minimum cost to novice is a strong factor but no decision was reached.

Prez Cartier suggested that an after-hours committee meeting be held in near future to allow ample time for business. All present were in favor. Cartier will advise date/time, probably during the week of 19 January.

Meeting was adjourned at 1300.



### SCIENCE ON THE MARCH

Ted, WA6PAS, and Paul, K6YQ, living as they do on the front side of Palos Verdes Hill, (all you other folks live on the back side, Frank), have always been unable to join the bunch on 147.51 for the Saturday morning therapy sessions. Feeling lonely and deprived, they decided to do something about it. K6YQ has designed, developed and built six-element diamond-shaped cubical quads for each of them, and communications have now been reestablished. Since it is clearly impossible to drive two-meter signals over the 1500 foot hill, it has been concluded that these are long-path contacts, and YQ and PAS are both working towards DXCC on two meters. They have both had XE contacts on 94 simplex, and are slowly extending their ranges. Next month, the design data for the Diamond Quad will be published in the CROSSTALK so that all you other two-meter DXers can have a go.

### THE CLUB STATION

The fact is apparently not widely known, but the TRW/ARC possesses a well-equipped club station (W6TRW) upstairs in Building 65. Any card-carrying club member who is an employee can get into the station at any hour on any day (non-employees must be escorted).

The station includes a 500 watt HF rig with SSB and CW accessories, and a variety of antennas for 80 through 10 meters. Roger Trapp, K6SSN, acquired WAC, WAS, and DXCC for W6TRW not long ago. There is also a complete novice rig which can use any of the antennas. ITS ALL THERE FOR YOUR USE.

Bill Dews, K6AWO, is responsible as Activity Manager for the upgrading and upkeep of W6TRW, and is taking this obligation seriously. Bill is assembling a work Party to inspect, clean, repair, and maybe even operate the station on Saturday, 31 January at 9 AM. Not only can you help us to maintain W6TRW, but it is an excellent opportunity to get a guided tour of the station and learn its capabilities. Call Bill at 51994 for more info. SEE YOU THERE.

### SOLAR CELLS NEEDED

We had a call from associate member Ernie Brelsford, K6TZ a few weeks ago. He is looking for surplus solar cells. Any club member who might have access to or know of a source for solar cells should call Ed Thornley, W6RXD, at extension 50743; he will relay the information to Ernie.

WORD FROM A LONG-LOST MEMBER

By Ed Thornley, W6RXD

We recently received a letter from our honorary member, Benjamin Cantaros, a resident of the Phillipine Islands. Our older members will remember that Ben was working hard to train himself in electronics while living in a leper colony on the island of Palawan. Some years ago, we elected him an honorary club member, and helped him as much as we could with books, tools and parts. We lost contact with him for several years, but received a long letter from him just before Christmas.

Ben has moved to a new location, and has opened an electronics repair shop. He'd like some help from the club in acquiring some test equipment. We'll be discussing his request at the next meeting of the executive committee. In the meantime, we'll get Ben back on our CROSSTALK mailing list.