



# cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



WAC  
WAS  
DXCC  
FD'71  
FD'73

NEXT MEETING: WED. NOV. 28, 1979

SPEAKER: JOHN LOHR K6AEL/KC4AAB

SLIDES OF ANTARCTIC R4-1041

PREZ SEZ

## NOVEMBER DINNER

We all had an enjoyable time at the November dinner hamfest. We shared some interesting moments of our hobby with the others present which proved to be very rewarding. This event substituted very well for our missing speaker as indicated by many comments from those attending. Yours truly received some comments that he will cherish as a highlight of the evening.

## 1980 CLUB OFFICERS

Nominating chairman Bob, KG6B reports that his phone is still quiet. What's happened to those members that had all types of cures for the club's ills during the past year? Now is the time to join the team and get your ideas moving. Let's give the club a multiple choice of candidates for all elective positions.

## 1979 OFFICERS AND STAFF

Please accept my sincere thanks for your support of the clubs activities. There's still work to be done; updating the station, formalizing our technical library, encouraging more member participation in our station operation, swap meet, newsletter inputs, and many other activities. Of need for special effort is the reduction of time between sending in your dues and receiving your card plus appearing on the current membership list.

CERTIFICATES at the 1979 November Award Dinner went to the following recipients:

K6GWC, Mel Erb - Crosstalk Editor

WB6UJX, Paul Fisk - Social events & photographer

KG6B, Bob Hume - Field Day Chairman

K6HPD, Gary Komatsu - Swapmeet Supporter

WA6EVS, Bill Schrecengost - Swapmeet Chairman

W6RXD, Ed Thornley, Awards Dinner Chairman

Our sincere thanks to these and the many other supporters of the TRW/ARC.

Bill Ivey, WA6QET

## TRW/ARC SWAPMEET DUTY ROSTER

### MONTH

December  
January 1980  
February  
March  
April  
May  
June

### TASK A

Jim McWilliams  
Al Lee  
Ed Thornley  
Bill Rodner  
Jim Hill  
Frank Cartier  
Ed Thornley

### TASK B

Dave Gilmore  
Frank Cartier  
Dave Gilmore  
Bill Dews  
Jim McWilliams  
Bill Schreck  
Bill Ivey

### TASK C

TBD



**ATTENTION - MEMBERSHIP STATUS**

BY Jim Hill, W6IVW

A list of everyone who has paid their 1980 membership dues as of 11-15-79 follows: Please check this list and verify that your name is included. Contact Jim Hill, S-792, x50345, to correct any errors or if you have not received a membership card. Non-TRW employees may phone, (work, 213-535-0345) or (home, 213,378-4411. or address a letter to Jim Hill, S-792 TRW DSSG, One Space Park Road, Redondo Beach, CA 90278 or send it to the Amateur Radio Club, S-1435, TRW DSSG. Dues are as follows: Full Members (presently employed by TRW): \$4. Retirees (retired TRW employees): \$2. Associate Members (everyone else except Family Members) \$5. Spouses or children of Full, Associate, or Retirees may join as Family Members of \$1. They have all normal privileges, but do not receive Crosstalk. The following is needed for new memberships or renewals: Your name, call (if any), membership class, and whether or not you are a member of ARRL. Current TRW employees should also include their employee number, mail station, and facility, and if not include a suitable address to receive Crosstalk. Others should list a suitable address and phone number. If you send a check in a company mailing envelope, attach it to an 8½ x 11 sheet of paper so it won't be overlooked. Make out the check to the TRW Amateur Radio Club, and don't send cash.

People who have not paid their 1980 membership dues have automatically been removed from the Crosstalk mailing list. If you notice that a friend's name is missing, tell him to send in his 1980 dues.

Aust, M.	Conner, E.	Dillinger, B.	Galang, S.
Adams, R.	Cooper, G.	Edwards, K.	Garland, E.
Akridge, D	Dailey, J.	Emig, I.	Gilmore, D.
Akridge, W	Daley, W.	Erb, M.	Gilmore, P.
Baughman, J.	Davis, R.B.	Fisk, M.	Gilmore, C.
Bergstrom, B.	Davis, R.C.	Fisk, P.	Goulet, R.
Berntsen, B.	DeHart, M.	Fox, B.	Hale, W.
Buker, E.	Dean, J.	Frederickson, D.	Halligan, F.
Carter, T.	Bermody, R.	Freeman, D.	Harrison, S.
Church, R.	Dews, W.	Fujimoto, M.	Hayes, N.
Hefley, R.	Kumatsu, G.	Newport, P.	Shane, S.
Herbrick, Jr.	Larson, J.	O'Neal, S.	Shepherd, J.
Hill, J.	Lee, A.	Ornellas, W.	Siebert, F.
Hudson, N.	Lee, W.	Petersen, J.	Speelman, C.
Hume, R.	Marlett, C.	Pinkel, J.	Sykes, R.
Ivey, W.	Mason, J.	Reed, F.	Thornley, E.
Johnson, S.	McClellan, W.	Robertshaw, A.	Thorpe, J.
Kaemmerer, R.	McGrew, M.	Robertson, R.	Treece, R.
Kennedy, C.	Mooney, D.	Rodner, W.	Valentine, A.
Kennedy, S.	Mullen, F.	Schilling, R.	Vennie, G.
Koho, J.	Newhoffer, F.	Schrecengost, B.	Weisz, P.
Spagon, J.	Williams, R.	Yamauchi, F.	

## Leisure Electronics

AREA CODE (213)  
370-3336  
370-3377

LAFAYETTE RADIO ELECTRONICS  
ASSOCIATE STORE  
3535 TORRANCE BLVD.  
TORRANCE, CA 90503

J.K. BAKER

OWNED & OPERATED BY  
YOUR NEIGHBORS  
LEISURE ELECTRONICS, INC.



## VISITORS

We are having visitors from JA Land. They will be escorted through our Ham Shack by Bill Ivey, Ed Thornley and Bill Schrek.

## DOOR PRIZES

Electronics Dictionary	Dick Treece
Battery Checker	Bill Ivey
Battery Checker	Gary Komatsu
VHF Antenna	Dave Gilmore

## W6TRW PICNIC

A good crowd showed up for the annual picnic held at Polywog Park this month. Those present enjoyed an eye ball QSO. Members attending were:

K6AWO	K6BO	WB6UJX	WA6OTH	WA6GVO	W6IOW
K6AWS	KC6L	WB6IDJ	WD6EZJ	WB6TCK	W6TUH
K6GWC	KB6D	WA6EVS	W6EKK	WA6QET	W6YBB
K6HPD	KG6B	WB6PAV	WB6SKM	K6PDR	W6KQI
K6RGW	W6IZK	WB9ZDS			

Craig Davis and Alice YF of W6EKK.

## ARRL

Bill Dews, K6AWO, is attempting to get an accurate count of ARRL members. Cut off your name and address from the QST mail cover and send it to Bill, M2-2155.

## INFORMATION NEEDED

Gary WB8ZAD is looking for information about a GE Handitalki Master 2 Pro Model. This is a 450 MHz model. If you can help call Gary at 61686.

## FROM THE TRUSTY TRUSTEE

by Paul Weisz, K6YQ

There is a new and interesting piece of equipment at W6TRW, our club station at Building 65. As part of an ongoing station improvement program. The club has purchased a Yaesu FT-225 RD, 2 - meter all-made transceiver, capable of FM, SSB, RTTY, CW and AM operation. Many of us have operated FM on this band with crystal or synthesizer rig; a 2 - meter rig with the handling characteristics of a continuous-tuned HF-5513 transceiver is a different ball game. The specs for this rig are reproduced below. Operating instructions are in preparation and will be displayed at the operating positions in the near future. Go on up and experiment with it; that's what it's for.

## W6TRW EXECUTIVE NOON TIME MEETING, NOVEMBER 9, 1979

Jim Hill Reported 39 people for November dinner. The executive board voted to pick-up the addition cost for the dinner following the last general meeting. (.83c) Treasurer will reduce input to Crosstalk.

Dave Gilmore Reported buying door prizes, approximately \$100. He was unable to get any free door prizes.

Gary Komatsu Still working on nominations with Bob Hume for the 17th of November Crosstalk. Hume not present.

Mel Erb Motion for two printing stamps ARRL/W6TRW LOGO. Second by Hill, passed. Approximately \$25.00

Bill Dews Action Item: Talk to Bill Schrek about the way the Swap meet record is kept.

The above executive members were present including President Ivey. Meeting started 1200 hours S-1878. Terminated 1300.

Bill Dews, K6AWO  
Appointed Secretary

# The FT-225RD

## SPECIFICATIONS

### GENERAL

- **Frequency range:**  
144 ~ 145 MHz 146 ~ 147 MHz  
145 ~ 146 MHz 147 ~ 148 MHz
- **Frequency readout:**  
Digital readout to 0.1 kHz, analog display resolution better than 1 kHz.
- **Modes of operation:**  
LSB, USB, CW, AM, FM.
- **Frequency stability:**  
Within 100 Hz during any 30 minute period after warmup. Not more than 20 Hz with 10% line voltage variation.
- **Intermediate frequencies:**  
First IF = 10.7 MHz.  
Second IF = 455 kHz.
- **Antenna impedance:**  
50 ohms unbalanced.
- **Repeater split:**  
600 kHz installed, any split up to 1 MHz possible with optional crystal.
- **Power requirements:**  
AC 100/110/117/200/220/234 Volts, 50/60 Hz.  
DC 11.5~16.0 Volts, negative ground.
- **Power consumption:**  
AC Receive 30 VA  
Transmit 160 VA at full output power  
DC Receive 1.2A  
Transmit 6.5A
- **Size:**  
280(W) x 125(H) x 315(D) m/m.
- **Weight:**  
Approx. 9.0 kg.

### RECEIVER

- **Sensitivity:**  
SSB/CW 0.5 $\mu$ V for 20 dB S/N  
FM 0.35 $\mu$ V for 20 dB QS  
AM 1.0 $\mu$ V for 10 dB S/N  
(400 Hz 30% modulation)
- **Selectivity:**  
SSB/CW/AM 2.3 kHz at 6 dB down  
4.1 kHz at 60 dB down  
FM 12 kHz at 6 dB down  
28 kHz at 60 dB down
- **Image response:**  
Better than -60 dB
- **Spurious response:**  
Better than 1 $\mu$ V at antenna input.
- **Audio output impedance:**  
4 ohms nominal.
- **Audio output:**  
2 watts @ 10% THD

### TRANSMITTER

- **Audio response:**  
350 ~ 2600 Hz  $\pm$ 3 dB
- **Carrier suppression:**  
Better than -40 dB
- **Spurious radiation:**  
Better than -60 dB
- **FM deviation:**  
Factory set at  $\pm$ 5 kHz, maximum 12 kHz
- **Power output:**  
SSB 24 watts PEP  
FM/CW 25 watts  
AM 8 watts

### SWAPMEET

The October 27, Swapmeet was another good one with a record crowd. Much good equipment changed hands and the perpetual movement of Amateur gear from Ham Shack to Ham Shack continued. Frank Cartier (WA6RAY), Bill Rodner (K6AWS), and the undersigned, manned the club booth. Thirteen dozen donuts and 8 gallons of coffee were consumed by 10 AM (we ran out). Paul Weisz (K6YQ), Jack Clark, (WB6TCR) and Bill S. (WA6EVS) quickly set up a donated equipment sale booth and sold 90% of the items in less than one hour. The prices were very reasonable and there were lots of hungry buyers looking for super bargains. This sale was so successful that an auction held mid way in the swapmeet is now being considered for future swapmeets.

A roster showing swapmeet monthly work assignments is included in this Crosstalk issue and volunteers are still needed to fill certain tasks for certain months. For those club members not yet on the roster, please call the undersigned to volunteer for one of the "TBD" spots. It's a lot of fun and you will enjoy the I-Balls with old friends you haven't seen in years.

The club still needs donations of electronic equipment, components, etc. Anyone wishing to donate items should call a TRW/ARC club officer or the undersigned to arrange for a pickup. (OK to door the items at the Bldg. 65 Ham Shack). The proceeds for sale of donated items will be used to buy new club Ham gear, or to pay expenses of Field Days and other club events.

Hope to see you all at the Nov. 24th Swapmeet.

Bill Schreck, WA6EVS

**HESEA**  
**AMATEUR RADIO CLUB**

**CQ de**  
**WB6WKF**

A N N O U N C I N G

**HAM RADIO**

**AUCTION '80 !**

WHEN: SATURDAY, JANUARY 26, 1980 ; 12 NOON TO 5 PM

WHERE: HUGHES EL SEGUNDO EMPLOYEES ASSOCIATION BUILDING  
1216 EAST IMPERIAL HIGHWAY, EL SEGUNDO

( LOCATED JUST SOUTH OF L.A. INTERNATIONAL AIRPORT )  
( APPROXIMATELY 1/4 MILE WEST OF SEPULVEDA BLVD. )

WHO: ALL THOSE INTERESTED IN AMATEUR RADIO AND ELECTRONICS  
WITH A SPECIAL INVITATION TO THOSE ATTENDING THE  
T R W RADIO CLUB SWAP MEET IN REDONDO BEACH THAT DAY!

WHAT: ANYTHING ELECTRONIC OR ELECTRICAL THAT YOU NEED TO  
CONVERT TO C A S H ! MANY BARGAINS AVAILABLE FOR  
NOVICES TO EXTRAS..... PLUS .

FOOD: HOT DOGS AND SOFT DRINKS WILL BE AVAILABLE TO ALL!!

RULES: AUCTION RULES WILL BE DISTRIBUTED AT THE DOOR.

10 % OF SELLING PRICE OF ALL ITEMS WILL BE RETAINED  
BY THE CLUB TO COVER EXPENSES.... DONATIONS TO THE

**CQ CQ CQ** CLUB ALWAYS APPRECIATED.....

TALK-IN FREQUENCIES: 146.52 SIMPLEX  
223.0 IN, 224.6 OUT

ADDITIONAL INFO: CALL BILL STEVENS, WB6AMI, CHAIRMAN  
@ (213) 391-0711 X7197 WEEKDAYS

