



CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

FEBRUARY 1985

** FD'71 ** FD'73 ** FD'75 ** FD'76 ** WAS ** WAC **
Garrett/W6TRW Repeater: 145.32/-600(2A-PL) -- UHF: 442.000in/447.000out

CALENDAR FOR FEBRUARY AND MARCH

Saturday	Feb 23, 8-11am	Swapmeet, Northwest corner of Compton/Marine and Aviation behind the Chevron station.
Tuesday	Feb 26, noon	Club Meeting, R4/1041. Speaker will be Chuck Lobb, KN6H, who will present "1984 Los Angeles Olympics & Amateur Radio Participation." !!Rave reviews from other clubs!!
Tuesday	Mar 12, after work	Executive Board Meeting. All members are welcome!
Friday	Mar 15, after work	St. Patrick's Day Observance. Shakey's, 5105 Torrance Blvd., Torrance (Between Anza and Palos Verdes Blvd). Up to \$3 off on a pizza and FREE refreshments. Bring the brood
Tuesday	Mar 26, noon	Club Meeting, R4/1041.
Saturday	Mar 30, 8-11am	Swapmeet

ARRL Membership

Bill Dews, K6AWO

The TRW/ARC is an ARRL affiliated club. We have this distinction because over half of our members are ARRL members. With this year's membership renewal, just under 60% of the membership are indicating that they are ARRL members. There are many benefits to you as a member, like low cost insurance on your Amateur Radio equipment, QST magazine, use of the QSL Bureau, eligibility for awards like DXCC and WAS, and the most powerful voice we hams have when the Government starts making changes in the rules that govern us. That's quite a lot for \$25 a year! If you are interested I'll send you an application. My mail station and phone number are on the back page of Crosstalk.

WANTED - - Volunteer Examiners

Paul Wisiolek, K1TKL is looking for Extra Class Amateurs to serve as Volunteer Examiners. If he can get about 10 or 12 people then you would only have to work once every three months. Paul has acquired the Rancho Palos Verdes City Hall for holding the examinations (three board members are hams). If you are interested please drop Paul a note or a QSL Card. His address is:
Paul Wisiolek, K1TKL
1911 Grant Avenue, #2
Redondo Beach, CA. 90278

MORE WANTED

The TRW/ARC is looking for a Field Day Chairman. Gary Komatsu, our previous chairman, is still recovering from his bout of pneumonia and does not feel that he would be able to put forth the effort required to do a proper job. However he will act as a "consultant" to whoever takes over. If you are at all interested please contact any of the Executive Board Members listed on the back page.

From the Library

George Lee, W6IOW

- What's new for the month of February in:
- QST - A microprocessor controller for a digital frequency synthesizer
Six winners of the ARRL antenna competition
Build a 4X array for 160 Meters
 - 73 - VIC Teletype Resource (with ASCII and RTTY program listings
Satellite Supremacy (60W Amp for uplink w/Oscar 10)
Ollie's Folly (Helicals for 10, 15, 20 & 40 Meters)
SWR: A Modern Myth
 - HR - A Homebrew Six Cavity Duplexer
Programmable Call Sign Identifier
G5RV Multiband Antenna
VHF/UHF High Power Amplifiers
Mobile Solid-State KW HF Linear Amplifier
 - CQ - Review of IC-27A/H and -47A
Review of Kenwood TH21AT
Review of Ten-Tec 2510 Oscar Station/Converter
Oscar Gateways

Courtesy of KG6CR: January copy of CQ:
Review of FT-980
Review of Nye Viking MB-V Antenna Tuner

The library has received a budget for books and magazines for this year. If you have run across some interesting ones and would like to recommend them to the library, please drop me a note.

Last year we added 4 new books (listed below). They are available in the Club Shack in Bldg 65.

1. The Complete DXer by W0KNI
--hints on working DX
2. Amateur Radio Vertical Antenna Handbook
by N6PL --his experience in Verticals
3. Introduction to and Operation of AMTOR
by W0XI
4. 1984-5 ARRL Repeater Directory



QSL Cards

John Keller, N6JLS

Yes!!! It has finally happened!!! After a year of being beaten about the head and shoulders, suffering disappointment and setback, the efforts of Paul Herbert have finally born fruit. The TRW/ARC has been inundated with about 25,000 QSL cards and they are beauties!! A new painting of the Gamma Ray Observatory (GRO) presently being designed at TRW for NASA is presented on the face of the card with a write-up on the satellite on the back as well as space for the all important QSO info. The cards have been packaged in groups of 200 and are wrapped in cellophane. If you feel that 200 cards is more than you will ever need the cost of \$6.00 (\$0.03 per card) for that quantity may change your mind. If you are still unswayed then you can get 100 but that is the minimum quantity you can get. If you are interested you can contact our QSL Card Manager, Mel Erb, at X50345 and work out the details with him. The club would prefer it if you would pay for your cards with a check made out to TRW/ARC.

The cards have not been varnished so they will take the overprinting of call sign and name and address info without any problem. However, since they do not have the final varnish on them they will pick up the oil off of your hands if you handle them. If you want the cards blank and use the Samco stick-ons you can "varnish" the cards yourself with Krylon "Crystal Clear" No. 1302 or Matte Finish No. 1311. I have not used the Matte Finish but I have use the "Crystal Clear" and it works very well. You don't need a lot to seal the card and a few quick "strokes" with the spray can does the job. It is very easy to use too much Krylon which gives a clear but pocked surface. If you use the right amount, the surface of the card dries to nearly glass-like. Shop around for the Krylon as prices do vary and Standard Brands has always has a good price. The other thing to watch out for is dust. The package of cards does contain some paper shavings occurring when the cards were cut. Some of this floats free and some sticks lightly to the card and will blow off from the spray of the Krylon. I suggest you carefully wipe off the card before spraying and place the card on a dust free surface when spraying. Also, spray in a well vented area as the Krylon can give you a heck of a high or a bad hangover.

For those of you DX chasers that will be sending out the cards by the gross and will want to get them printed and varnished yourself, here are a couple of printers in the area around TRW that will accomodate you. One is Dick Sawdey of Hawthorne Typesetting Company, 4736 W. El Segundo Blvd., Hawthorne, (213) 679-8677. As with most typesetting jobs, a lot of the cost is in setting up the machine. For a single order, it is \$30 for the first 100 cards and \$15 for each additional 100 cards up to 500. You get a price break if you go over 500 cards. Then it costs \$30 for the first 100 and then \$10 for each additional 100 cards up to a total of 1000 cards. If three or more of you want to band together you get another break. The first 100 cards will cost each of the group \$25 and then each additional 100 cards costs each of the group \$10. For example, K6AWO gets 300 cards and it costs him \$45, N6JLS gets 200 cards and it costs him \$35 and N6KAW gets 100 cards and it costs him \$25. Remember you must be in groups of 3 or more. Also, these cards will not be varnished as the printer did not feel it would be necessary.

The other printer is Century Typesetting, 5352 145th St., Lawndale, (213) 643-6671. This place is tucked in just off of the intersection of Rosecrans and Isis, real near to TRW. We got the name of this place from Gene Inouye who is our contact with the artwork people who designed the overprinting for the W6TRW card. If one person walks in the door it will cost \$33 for the first 200 cards and \$1.50 for each additional 100. If more than one person comes in together, the first person pays \$33 for the first 200 cards and each person after that pays \$28 for the first 200 cards. Everybody still pays \$1.50 for each

QSL Cards cont.

additional 100 cards. How the first guy shares in the reduced rate is up to those people involved. These prices include varnishing. Mel Erb, K6GWC, who handles all of our QSL duties for the Club wants me to remind all of you who use the club station and get requests for QSL cards from your contacts, be sure all of the information is in the station log. If it is incomplete, no QSL card will be sent! At the minimum, the information should include the call of the station contacted, the time of the contact (preferably in Zulu or UTC), the frequency or the band the contact was made on, signal reports and in the comments column the name you used on the air. Hopefully you might get the name of the other operator too. The Executive Board had planned to get out one QSL card with each Crosstalk this month. However, I am the only one "varnishing" the cards while I also try to get out this newsletter. If there isn't a card attached to this Crosstalk then you can bet there will be one with the March newsletter.

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My way of joking is to tell the truth. It's the funniest joke in the world. George Bernard Shaw

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January VHF Contest

Chris Wachs, WA2KDL

The January VHF Contest was a complete success. 11 logs were turned into me. During the contest conditions were poor due to the Santa Ana wind conditions; no inversion and a high static level. By Saturday night the wind died down and the noise level dropped. Then K6MYC from CM-97 came in on 2M SSB. Wow! San Francisco and an 57 signal report. Sunday morning WA6PWW from CM-96 was loud too, with a 45 report and all with just a 10dB antenna and 10 watts on 2M SSB! Also from CM-97 was NU6S with a 57 report. The best I did on 432MHz SSB saw DM-05 N6CJN in Bakersfield with a 54 report. I worked 93 QSO's and 9 grid squares on 2M, 36 QSO's and 7 grid squares on 432MHz. Total score was 5280 points with 1674 points on the 2M band.

Don Resor, N6KAW, was the next tail-tweaker with 77 QSO's and 8 grid squares. That added up to 1232 points! Good show Don! Norm Stockwell, N6NS, had 22 QSO's and 6 grid squares for a total of 264 points. Bill Dews cooked on 2M FM with 25 QSO's and 4 grid squares for an even 200 points. Paul Weisz, K6YQ, got 18 QSO's and 5 grid squares for 180 points. Ed Fine, W6ZVM, had 17 QSO's and 4 Grid squares for 136 points. From the mountains around Santa Ana Canyon, Paul Herbert, KG6CR, got 15 QSO's and 3 grid squares for 135 points. Charlie Clarke, W6NWP, came in with 12 QSO's and 3 grid squares for 72 points. Walt Pearson, N6DZM, had 11 QSO's and 3 grid squares for 66 points. John Keller, N6JLS, had 7 QSO's and 3 grid squares for 42 points. Finally, Jim "The Contester" Cox, K7JAJ, also had 7 QSO's and 3 grid squares for 42 points. If you ask why there is a big gap in scores, it's because of the operating mode. FM is OK but everyone was on SSB at 144.200 Mhz or 432.100 Mhz. The range that an intelligible signal can be heard is better with SSB. Now don't think that this will be the last annual participation of the TRW/ARC in the ARRL VHF Contest. SSB is the way to go and you have the important part sitting under a layer of dust in you ham shack - your HF rig! For about \$150 you can obtain a transverter for 2 Meters. If we can get a group of members that want to expand the capabilities of their HF rig we could get a better discount if we buy in quantity. So let me know what you think. There is only 11 months to go to the next contest! Oh yes, transverters only need 2 Amps at 12 Volts and a 1 to 5 milliwatt 10 Meter drive. Thanks to all the Club participants for all the logs and lets get ready for next year.

Tidbits from the Jolly Little S...!

Well, it seems the April Fool issue of the Crosstalk got out a little early this year. Some of you caught the error in the calendar and I guess the rest of you will try to show up on Sat, Feb 29th for the Swapmeet. The date is correct in this month's issue and should there be any confusion it is always the LAST Saturday of the month except in June (one week earlier) because of Field Day. Effective the 25th of February I will have a new address within TRW. I am moving over to the Analog and Digital Processing Department as a Department Staff Engineer. My new mailstation will be M5/1470 so please send any items for the Crosstalk to the new address. Items sent to the old address will probably be delayed just enough to miss making the deadline.

NEW MEMBERS - - OLD MEMBERS

A recent upgrade to Technician is Trudy Rodner, N7GTL (Gone To Lunch) who you will remember is the beautiful YF of Bill, K6AWS. For those of you wanting to check in with our friends in Idaho land, since 40M has been so stinko in the evenings, regular contacts have moved to 14.195MHz and down on Monday, Wednesday and Saturday at 11am PST.

Gary Komatsu, K6HPD, and Dave Gilmore, WB6IDJ, both having successfully recovered from hospital stays should be back to work soon.

Welcome to the Club:

Norman Carter, no call sign as yet but there should be a Novice Class opening up somewhere soon.

Warren W. Flack, KC4IY, a holder of an Advanced ticket with 17 years as a ham.

John F. Jones, N6IRZ, who lives in Dana Point and works for TRW in Capistrano and has been a ham for 2 years.

And welcome back to the Club David L. Smith, W6CQ, who according to the membership application has been a ham for 44 years!

OverDUE DUES to DEWS

If your name is on this list then one of two things is wrong. Either you have not renewed your membership and you are about to lose your Club privileges which include the Crosstalk or we got your dues and you did not get logged into the computer. In either case contact Bill Dews IMMEDIATELY and correct the problem. This list was current on 02-13-85 so if you paid since then it may be taken care of.

Call	Name	Call	Name
WB6DJI	AUST MIKE	N6GNK	JUNKER MARGARET
WB6UXK	BARNES SANFORD	K6PUK	KAEMMERER BOB
WA6KPC	BAUGHMAN JACK	WB6TDE	KENNEDY CARL J.
KA6BKL	BENSON THOMAS	K6HPD	KOMATSU GARY
KB6FBV	BLOCK BOB	WA6DMO	LARKY DAVE
W6SP	BROWNING JOHN W.	AD6H	LOCK DOUG
	BURDEAUX MARTIN	K6UG	NARDONE DON
N6HJP	BUSKIRK JAMES G.	W6QJN	OLSSON DAVID
KF6CV	BUSKIRK STEPHEN	N6EYV	PICKETT BOB
WB6RLN	COOPER GARY	KF6RW	RICHARDSON DAN
W6JET	COUZIN ROY	K6PDR	RICHARDSON JIM
W6EGR	DAILEY JOHN		SAUNDERS OLIVER
KF6CI	DARROW CHARLES	N6KRF	SCHUK JOE
WA6GVO	DEAN JERRY	KB6FAR	SCHUK PAUL
	EGO KIMI	KB6ETU	SCHUK SHARON
N6GPS	GIBSON DON	KE6PI	SCOTT MAC
KE6TC	GILMORE PHYLLIS	KX6SI	SEILER EUGENE R.
N6GCU	GRADWOHL BILL N.	KA6OUF	SMILJANICH MIKE
W6IZK	HALE WAYNE	WA6WZD	THORPE J.C.
W6RLN	HALLIGAN F.X.	KA6NES	VANDENBERG KENT
SDPK	HALLING HERB	KG6JP	VENNIE GARY
W6Y	HAMILTON LIN	KB6CQD	VISSER JON R.
	IRWIN AUDREY	W6JNR	WEST ERNEST C.
KA6YNK	IRWIN HARRY J.	W6TUH	WHEELER PHIL
	JORDAN RAY S.	WA4YSS	WOLFE DAVID C.
KZ6M	JUNKER HARRY D.		WUERKER RALPH F.

General Meeting 29 January 1984

Paul Lukas, N6DMV

Twenty-three members attended. President Walt Pearson called the meeting to order. Treasurer Paul Herbert gave the Club's financial status and announced that information on Packet Radio was available. Activities Chairman Jim Wike asked the membership if they would be interested in having hotdogs or chilidogs at the upcoming Club Picnics. Jim said that he had found a good, that is, inexpensive source for the ingredients. The membership favorably received the idea.

Vice President Joe O'Brien introduced the speaker, Bill Stevens, W1WEX. Bill is an Electronic Engineer at Hughes and gave a nice informative presentation on operational amplifiers (op-amps) and on their use.

Trustee Bob Hume gave a report on the antenna work in progress. There had been two antenna work parties and the KT34XA was assembled and is on the roof waiting for the tower. The second work crew lowered the old crank-up tower and removed it from the base. A new Rohn tower installation is planned. The tower will be in five sections and be 47 feet high. The already purchased Tailtwister rotor will easily fit in the new tower.

Door prizes included; 2 diagonal cutters, wire stripper, C clamp set, NiCad battery charger, universal power adapter, 2 long nose pliers, 2 '84 Callbooks, screwdriver set, logic probe, and 2 code practice tapes.

Dale Mooney won the Swapmeet raffle for December and Bill Dews won the raffle for January. Each received their \$10 prize. The meeting was adjourned at 1300 local time.

Third Party and Reciprocal Operations

From The W5YI Report

The following is a current list of countries that have third party traffic and reciprocal operating privileges with United States amateurs. R = reciprocal privileges, T = third party traffic agreement, * = automatic reciprocal privileges, no permit required.

Antigua and Barbuda	T	Italy	R
Argentina	RT	Jamaica	RT
Australia	RT	Jordan	RT
Austria	R	Kiribati	R
The Bahamas	R	Kuwait	R
Barbados	R	Liberia	RT
Belgium	R	Luxembourg	R
Belize	RT	Mexico	T
Bolivia	RT	Monaco	R
Rep. of Botswana	R	Netherlands Antilles	R
Brazil	RT	Netherlands	R
Canada	*T	New Zealand	R
Chile	RT	Nicaragua	RT
Colombia	RT	Northern Ireland	R
Costa Rica	RT	Norway	R
Cuba	T	Rep. of Panama	RT
Dominica	T	Paraguay	RT
Dominican Republic	RT	Peru	RT
Denmark	R	Philippines	R
Ecuador	RT	Portugal	R
El Salvador	RT	St. Lucia	RT
Fiji	R	Seychelles	R
Finland	R	Sierra Leone	R
France	R	Solomon Islands	R
The Gambia	T	Spain	R
Ghana	T	St.Vincent/Grenadines	T
Greece	R	Suriname	R
Grenada	RT	Swaziland	T
Guatemala	RT	Sweden	R
Guyana	T	Switzerland	R
Fed.Rep./Germany	R	Trinidad & Tobago	RT
Haiti	RT	Tuvalu	R
Honduras	RT	United Kingdom	R
Iceland	R	Uruguay	RT
India	R	Venezuela	RT
Indonesia	R	Yugoslavia	R
Rep. of Ireland	R	4U1ITU/Geneva	T
Israel	RT		

Attending were: Mike Aust, Bill Dews, Bill Daley, Paul Herbert, Bill Ivey, John Keller, Walt Pearson, Don Resor, Bill Schrecengost, Chris Wachs and Jim Wike. President Walt Pearson called the meeting to order and asked Chris Wachs to report on the TRW/ARC participation in the ARRL VHF Contest. Chris' report can be found elsewhere in Crosstalk. Walt reported for Vice President Joe O'Brien that next month's speaker would be Chuck Lobb, KN6H, who will speak on Amateur Radio participation during the 1984 Los Angeles Olympic Games. Treasurer Paul Herbert stated that SEA has asked all clubs including the Amateur Radio Club for a full report of their activities and a financial accounting and a form to follow. This information will be turned over to the IRS. An extensive debate was held concerning the details of the 1985 budget with all the items being hammered out to everyone's approval. Paul moved that the budget be accepted as amended. Jim Wike seconded and the motion passed. Mike Aust stated that he has his remote base ready to be installed in the Club Station and wanted to know the status of the antenna installation. John Keller and Bill Dews reported that Trustee Bob Hume is dealing with the facilities people to determine if the roof of Bldg 65 will be able to support the proposed tower installation. Activities Chairman Jim Wike reported on the arrangements for the St. Patrick's Day Obseance to be held at Shakey's Torrance, 5105 Torrance Blvd, between Anza and Palos Verdes Blvd. The festivities will be held on Friday, March 15 after work. Jim will have discount coupons for up to \$3 off of a pizza. Jim moved that \$50 be appropriated for refreshments. Paul Herbert seconded the motion and it was passed. There will be free refreshments for all members and their guests. Bill Daley stated that only 16 of the 25 member clubs of the LAACARC attended the last meeting. Bill passed on a schedule of testing sites and times for operators to upgrade. Walt reported for Emergency Communications Coordinator Dave Gilmore that HT passes are being held up in Security and advises that ECG members refrain from bringing their HT's into TRW buildings until the situation is resolved. Walt also reported that efforts are being made to link Space Park with TRW in San Juan Capistrano. He is working with Bruce Johnson, N6EXQ, at that site. Membership Chairman Bill Dews reported that 112 members have renewed their membership and that ballots received have voted in the nominated members. The new Executive Board members are listed on the backpage of the Crosstalk. Bill stated that he has purchased the frames for the W6TRW QSL cards to be presented to the manager of the Gamma Ray Observatory (GRO) Project. SEA Representative Bill Ivey stated that the next SEA Council Meeting will be on March 19 and that we could expect our funds at that time. A discussion was held about the artwork for the overprinting of the W6TRW QSL cards and it was decided that Paul Herbert would take of some minor changes before printing. Swapmeet Chairman Don Resor III reported that he is having a continuing problem with the state of the parking lot after the Swapmeet. Don also stated that he would like to see the Club put on it's wish list for next year an ACC RC-85 repeater controller; Cost - \$949. John Keller suggested buying some of the calendars offered by the Lockheed ARC to be used for door prizes. John also suggested subscribing to the Amateur Radio News Service for one year. It was suggested that John approach the Librarian for funds. The meeting was adjourned at 19:45 hours.

A little known fact: you don't need money to call 911 from a coin operated telephone.

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The trouble with being a parent is that by the time you are experienced, you're usually unemployed.

Well, we are off to a pretty good start this year. The January Swapmeet is the beginning of a new season and a new year packed full of fun and surprises. The Swapmeet sellers lot was full by 8:00AM. Not an open sellers spot to be found. There was plenty to spend money on and plenty to talk about.

We are continuing to have a problem with sellers not cleaning up their general area before leaving the Swapmeet. This means your mess and the mess that isn't yours but was left there. **CLEANLINESS IS A MUST!!**

Helping out with the Swapmeet this month was Roland Goulet, KE6LI, Eugene Seiler, KX6S and Richard Sauer, N6CIZ. Thanks much for your help, and thanks for your well appreciated participation in one of the major W6TRW events.

Winners of the Swapmeet raffle were Dale Mooney, WA6DLA, for the December Swapmeet and Bill Dews, K6AWO won the January raffle. They each will receive a check for \$10 to be use for the purchase of an item at the Swapmeet. Congratulations guys!

The 1985 Swapmeet Supervisor Calendar is complete and copies have been sent to those who will be participating this year. It was suggested by Bill Dews that I coordinate three people a month to help with the Swapmeet rather than two. This has proved to be a good idea and very successful as was shown by the smooth operation of the December and January Swapmeets.

There was a little confusion as to what the duties of a Swapmeet Supervisor are, so I will sum them up as follows:

Swapmeet Supervisor Duties

- To help regulate the flow of sellers entering the sellers lot between the hours of 5:30AM to 8:00AM. This is done by one person at the entrance to the sellers lot, giving each a quick summary of the rules verbally:
 - One space per person or vehicle.
 - No commercial sellers (dealers).
 - What do the sellers have for sale. Equipment must be related to Amateur Radio.
 - The Swapmeet ends promptly at 11:00AM
 - Seller to clean up his area before departing.
- To help the Swapmeet Manager with the Sellers Rules-Policy Regulations form (Green Sheets).
 - The distribution of rule sheets to those sellers who have not previously filled out the form.
 - Sellers that have previously filled out the rule sheet will be found on the Swapmeet Sellers List which is computer based and updated each month.
 - Checking each returned form to insure that all of the information is provided and that the writing is legible.
 - Returning the completed forms to the Swapmeet Manager so that the information may be processed before the next Swapmeet.
- To help with the close of the Swapmeet.
 - Walking around the seller's lot beginning at 10:30AM and reminding sellers that the Swapmeet closes at 11:00AM and they should start packing up to leave.
 - Indicate to the sellers that it is their responsibility to clean up their general area before they leave the site.

Well, I believe this wraps up things for another month and probably a few months ahead. Hi Hi! Hope everyone has a good time next month. See you all out there Saturday, Feb 23. 73's.

The 1985 Southwestern Division Convention will be held on August 9, 10 and 11 this year on the Queen Mary, docked in Long Beach. The TRW/ARC is one of seven sponsoring clubs in the area and we have the responsibility for the awards and the prizes as we were in 1980.

The Keynote Speaker at the Banquet this year will be Senator Barry Goldwater, K7UGA and the Master of Ceremonies will be Roy Neal, K6DUE, NBC Science Editor. The number of banquet seats is limited due to the facilities aboard The Queen and seating will be assigned on a first come first served basis. Some seating will be in another banquet facility aboard The Queen with the activities in the main room piped in on closed circuit large screen TV. So, the earlier you get your reservation in the better the seat you will get for the Banquet. To assist you, included in the Crosstalk are copies of the registration forms for the Convention, Banquet and rooms at the R.M.S. Queen Mary, Queensway Hilton, Hyatt Regency or the Shoreline Village RV & Camper Park. If 10 persons go together you can reserve one entire table at the Banquet.

You are strongly urged to get your registration forms and money in early. Early registration will also entitle you to a shot at the "Early Bird" prize (Kenwood TS-530SP) as well as a Pre-registration prize (Yaesu 757GX).

REGISTRATION

___ "Early Bird" Pre-Registration @ \$ 5.00 _____
 Postmarked by May 31, 1985
 ___ Advance Registration @ \$ 6.00 _____
 Postmarked by July 15, 1985
 ___ Regular Registration @ \$ 7.00 _____
 ___ Banquet Tickets @ \$ 25.00 _____
 Prime Rib of Beef Dinner
 ___ Ladies Luncheon @ \$ 10.50 _____
 ___ Sunday Breakfast @ \$ 10.00 _____

Make check to HAMCON for TOTAL: \$ _____

Please check breakfast you'll attend:

___ QCWA/OOTC ___ DX ___ RTTY ___ MARS
 ___ Repeaters ___ Traffic ___ Computer ___ Other

NOTE: All Banquet seats will be assigned

The first 500 Banquet Tickets paid will be seated in the Grand Salon; balance will be seated in the Windsor Room and will watch proceedings on closed-circuit large screen TV.

To reserve a full table: send payment for the "Early Bird" or Advance Registration and Banquet Tickets for 10 persons in one envelope. Ten individual checks may be enclosed. Note postmark deadlines above. No full tables reserved after July 15, 1985.

I plan to take an FCC Exam: _____

Name _____ Call _____

Address _____

City _____ Zip _____

Phone _____

MAKE BADGES: NAME CALL

Mail this stub with check payable to HAMCON to:
 HAMCON P.O. Box 91313 Long Beach, CA 90809

Wanted -- For Sale -- Freebies

And, unfortunately, sometimes stolen. Rowland W. Fogarty, WD6EUK, wrote many letters, one of which came to us. Seems that his vehicle was stolen from the West Covina Civic Center on Jan. 7 and there was a considerable amount of ham gear aboard. If you find any of this stuff for sale, like at the TRW/ARC Swapmeet, you might call the cops and Rowland and let him know. Rowland can be reached at work (714) 599-9521 or (714) 592-6944 or at home (714) 861-4260.

Icom IC-245A w/SSB adapter. S/N 04175
 Icom RM-2 Remote Computer Head. S/N 8402583
 CES Auto Dialer Mike
 Icom 45A 450MHz Transceiver S/N 01439
 Com-Spec PL Encoder
 Yaesu FT-708R 450MHz HT S/N 2F110676
 Mirage B-1016 2M Linear Amp
 Mirage D-1010 450MHz Linear Amp
 Radio Shack 16 Chnl Prog Scanner
 "J" Pole 2M antenna w/quick disconnect
 Antenna Specialist 450MHz roof mount antenna

The best way to guard against losing your shirt is to keep your sleeves rolled up.

We'll need a place to stay. A check is enclosed for the accomodation below. My check is made to the hotel who will confirm reservation.

Yes, I want to be sure I get a stateroom on the R.M.S. Queen Mary! I've enclosed payment for one night, please reserve the following:

_____ night(s) at \$85.00 per night for Double Room on August
 _____ night(s) at \$69.00 per night for Single Room on August

I understand you will honor a written request for refund until Aug. 1, 1985.

Make check payable to **Hotel Queen Mary.**

Mail this coupon and check to:
 HAMCON P.O. Box 91313 Long Beach, CA 90809

I don't mind a short walk. Please reserve the following at the Queensway Bay Hilton Hotel; I've enclosed payment for one night.

_____ night(s) at \$68.00 per night for Double Room on August
 _____ night(s) at \$65.00 per night for Single Room on August

I understand you will honor a written request for refund until August 1, 1985.

Make check payable to **Queensway Bay Hilton.**

Mail this coupon and check to:
 HAMCON P.O. Box 91313 Long Beach, CA 90809

The Hyatt Regency Hotel is close by, please reserve the following:

_____ night(s) at \$83.00 per night for Double Room on August
 _____ night(s) at \$83.00 per night for Single Room on August

I understand you will honor a written request for refund until July 1, 1985.

Please Make check payable to **Hyatt Regency Hotel.**

Mail this coupon to:
 HAMCON P.O. Box 91313 Long Beach, CA 90809

I want to be sure to get space at the full hookup Shoreline Village RV & Camper Park. I've enclosed payment for one night, please reserve the following; I live more than 50 miles from Long Beach.

_____ night(s) at \$16.20 per night, with the third night at \$18.00 in area 1 near the shore
 _____ night(s) at \$12.60 per night, with the third night at \$14.00 in the rear area 2

I plan to arrive August

I understand you will honor a written request for refund until July 1, 1985.

Make check payable to **HAMCON** and mail to:
 HAMCON P.O. Box 91313 Long Beach, CA 90809