

CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

FEBRUARY 1986

** 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 22, 8-11am	Swapmeet, Don't forget the new hours for sellers! Lot opens at 7:00am - no earlier! Northwest corner of Aviation and Compton/Marine behind the Standard station.
Tuesday	Feb 25, noon	Club Meeting, R4/1041. Speaker will be John Browning, W6SP. The driving force behind AMSAT will discuss with us the Amateur satellite plans for 1986 and beyond!!
Tuesday	Mar 11, after work	Executive Board Meeting. All members are welcome! At Shakey's, Manhattan Beach, 2000 N. Sepulveda Blvd., just south of Marine Ave.
Friday	Mar 14, after work	St. Patrick's Day Observance. Torrance Shakey's, 5105 Torrance Blvd, Torrance: Between Anza and Palo Verdes Blvd. 5:30 PM to ?::? Pizza discounts and FREE refreshments!!
Tuesday	Mar 25, noon	Club Meeting, R4/1041.
Saturday	Mar 29, 8-11am	Swapmeet

January Swapmeet Notes

Frank Cartier, W6RAY

The January Swapmeet was another well attended event with excellent weather. Hopefully the February rains will have blown through by the February Swapmeet on the 22nd. For the first time at the January Swapmeet we used two entrances at opening time. It worked out very well and we plan to use it for all future Swapmeets. By using this approach we had everyone into the seller's lot by 0706 with no lines and no waiting after that time. When I arrived at 0600 there were approximately 30-40 vehicles lined up at the entrance. The person at the front of the line said he had been there since 0430! With our new entrance system there is no reason to arrive in the vicinity of the TRW property until 0700 since we will have you in the lot with in 10 minutes or so. That will avoid any early morning noise complaints from the neighbors and avoid having to get up so early and sit in your car for a long time in the dark. PLEASE SPREAD THE WORD on this to your friends who always come early. Since there is no shortage of excellent spots in the seller's lot everyone can still get a good one by arriving at 0700.

The January Volunteer Supervisors were:

Ralph Sellers, W6TUQ

and
Thanks again Ralph and Frank! Frank Jr. passed his twice test in November (Murphy Radio School) and is expecting his license and call sign any day now. He also wants to set up and operate a novice station at this year's Field Day. Speaking of Field Day, since the Field Day weekend includes the last Saturday in June this year, the Swapmeet will be held on the 3rd Saturday in June. That will be the 21st of June instead of the 28th. So pass the word along especially to those participants who

travel a long way to get here. The 3rd Saturday in June, NOT the 4th.

Special thanks to Norm Wright of TRW Maintenance and TRW Security for their excellent and dependable assistance each month.

At the last Swapmeet I spoke to officers McGee and Emard of the Los Angeles Police Department. They are responsible for the Van Nuys Hamwatch. This is a very active and effective program in the San Fernando Valley and receives a lot of support from the L.A.P.D. hierarchy. They wanted to know if they could bring their mobile communications van to a future Swapmeet for recruiting purposes. Of course I told them they are more than welcome and we may see them in February or March. The exact time has not been determined as of press time. Should be very interesting.

The Volunteer Supervisors for February are:

Bill Dews, K6AWO

Irv Emig, W6GC

Bob Hume, KG6B

and

The Volunteer Supervisors are reminded to be at the seller's lot between 0630 and 0645 and make sure there is no one in the seller's lot before 0700 except the food booth crew.

The winner of the TRW/ARC Swapmeet raffle is ticket number 440104. If you have the winning ticket, present it to Treasurer Dave Stockwell for your \$10.00 prize to be spent at a future Swapmeet of course.

All TRW/ARC members who attend the Swapmeet are asked to observe that all of the rules are being followed. The Volunteer Supervisors always monitor the output of the Club repeater on 145.32 MHz.

73's and see you on February 22nd at 0700!



President Chris Wachs opened the meeting and reported the results of the ARRL VHF Sweepstakes held in January. First place went to Frank Cartier, WA6RAY with 1470 points; second place to Chris Wachs, WAZKDL with 1170 points; third place to Jim Wike, W6GPE with 938 points; fourth place to Bill Dews, K6AWO with 632 points. Prizes will be given to the top three finishers at the February Club meeting. Prizes have been donated by Mel Erb, K6GWC. Arrangements are being made for a group buy of AEA PK-80 Packet Radio TNCs. We need ten people and we have 6 already. Cost will be \$190 or less, units list for \$220. Contact Jim Wike, Steve Ng or Chris Wachs if interested (Phone and MS on back page). The FCC enacted the ARRL proposed rule making concerning Packet Radio Bulletin Boards. All BB's and automatic signal forwarding on HF has been made illegal. BB's and unattended operation are only allowed on frequencies 50 MHz and above. Swapmeet Manager Frank Cartier reported that as the lot was first opened, both entrances were used and all those waiting in line were in the lot in 6 minutes. Two 1986 Callbooks were donated to the Club and will be door prizes at the next Club meeting. All of the Club HT's worked well. Frank said that he is still working on a Porta-Potty proposal for the Swapmeet. Paul Herbert suggested that the price for coffee and donuts be raised to 35 cents each. Bill Dews will check with the foods people and report back at the next EBM. Vice President Scott Gilmartin reported that the speaker for the next Club Meeting will be John Browning, W6SP, and he will talk about AMSAT's immediate plans for 1986 and things that are coming in the future. There was a vigorous exchange of ideas on proposed changes to the 1986 budget, the biggest change coming in the area of the newsletter printing. Treasurer Dave Stockwell agreed to table final approval until the next meeting. Trustee Bob Hume had a list of proposed acquisitions for the Club Station including hardware required for the tower erection. Some items were books that should be purchased by the Librarian. TRW Maintenance is installing new guyline hardware, including heavier turnbuckles, and a base plate onto the roof of Bldg 65. When finished, hopefully by the middle of February, the tower and triband antenna will be ready to go up. Bob said that C & A Roberts has a gin pole that can be rented for \$5 per day. Bob was wondering about when the insurance was due and was told that the premium had to be paid in April. Membership Chairman Bill Dews reported that 44 members from last year have not yet renewed but we have 156 members on the roster for 1986. This is the most members we have had at this time of the year in the history of the TRW/ARC. SEA Representative Paul Herbert asked questions of the Officers and Staff of the Club in order to complete a SEA questionnaire. It was the consensus of those present at the meeting that the TRW/ARC would not participate in the SEA Chili Cook-Off. Technical Chairman Jim Cox reported about a letter from Carl Pagel of TASMA relating to complaints about the TRW 2 Meter repeater from a newly authorized repeater owner on the same frequency in Saugus. Much discussion was held on the nature of the response to the rather inflammatory letter. After a great deal of discussion it was decided that Jim is to write a response to the technical points in the letter and that it would be signed by Chris. Included in that letter would be the requested update to the TASMA records that will show that the Club has not increased power output of the repeater above that which existed when the repeater was first installed. A plan of action was formulated in case the issue should not be resolved by our response. Jim stated that the new antenna has improved the performance of the repeater to weak signals and the old Celwave antenna has been installed at Bldg 65. Jim was further concerned about the handheld radios in the Club station and the fact that someone needs to be found to regularly maintain the batteries in those radios. The meeting was adjourned at 1916 local time.

The end of this month your membership in the TRW ARC will either be renewed, if you have filled out a 1986 membership form and sent it to me with your check, or it will have run out of grace period and expired. Please remember to fill out all of the information, that is, the expiration dates on your license and ARRL membership and your answers to the Club activities. The TRW ARC is an ARRL affiliated Club and we must have 51% of our members also be ARRL members in order to keep that affiliation. You may call me for an ARRL membership application (\$25 per year to join). You may also contact me for the loan of Club equipment such as 2 M, 220MHz, 450 MHz HT's; Bird Wattmeter; FM deviation meter and Grid Dip Oscillator. If you need an FCC Form 610 to renew I have those too. I can be reached at (53)54393. At the December 28th Swapmeet I started handing out membership applications and selling Swapmeet attendees on joining the TRW/ARC. By 10:40am I had handed out over one hundred applications and hope to receive a lot of those back with the idea that Associate Members can read our Club newsletter, Crosstalk, and pick up information dealing with the Club activities every month. They can then pass along information to other hams to help us make the Club strong and, in particular, help keep our Swapmeet a free and enjoyable Amateur Radio event in Southern California. The Club has a 2 Meter repeater that may be used to communicate what ever hams have to talk about. The ARRL Field Day in June is a good place to show up and help out. We have a Club meeting each month on the last Tuesday of the month at noon time, 1200 to 1300 hours, in Building R4, Room 1041, for those that can make it. Keep reading the Crosstalk for current information on what the Club is doing.

From the Library

George Lee, W6IOW

What's in the February issues of:

- QST: A Simple, Effective Receiving Aid (Running the audio through HP and LP filters into a stereo system enhances intelligibility).
Spreadsheets for the Modern Hamshack (Using your computer for record keeping).
Reviews of the TS-940S and Mirage C211, 220 MHz 110 Watt Amp.
- HR: Achieve Polarization Diversity thru Variable Power Splitting (Splitting the Horizontal & Vertical components of radio energy of proper amount into horizontal and vertical antenna to increase signal strength, minimizing fading effects).
Cylindrical Feedhorns (for folks above 1 GHz).
Two-Tone Signal Generator (for checking linearity of SSB xmtrs on a scope).
The Offset Drooper - an improved ground plane ant.
Quartz Crystal Resonator (learning about xtals).
- CQ: To Use or Not To Use a Transmatch
Review of Ten-Tec Titan Legal Limit Power Amp (an excellent one).
- 73: Razor-Sharp CW Filt. (4-stage 8-pole active filter)
Scanning the TR2400 (costs about \$1 & 1 hour of concentration).

If anyone knows of any Club that could use some old copies of QST (60's, 70's) for it's library, let us know as we have some spare copies. We need some boxes 0.8 1/2 x 11" size to hold our current magazines. If anyone knows of any source, please let us know. The Photographic Department in Bldg 65 uses more 8 x 10" paper.

IS YOUR NAME ON THIS LIST???

WB6TWY	ADAMS	ROY
WA4TTG	ALLEN	BARRY R.
K6AVQ	ANDERSON	CHET
KA6BKL	BENSON	THOMAS W.
KB6FBV	BLOCK	BOB B.
W6SP	BROWING	JOHN W.
	BURDEAUX	MARTIN
	CARTER	NORMAN
WB6RLN	COOPER	GARY
K6RF	CULLIAN	TED
KF6CI	DARROW	CHARLES
WB6CTX	DILLINGER	BRUCE L.
KC4IY	FLACK	WARRIN
NGKMP	FLAMMER	CONNIE J.
WA6VJQ	GARLAND	EARL E.
KA6BFI	GREGORY	DREW
WB6JSF	HARTER	GEORGE
KG6BH	HARVEY	DONALD W.
KA6ZTJ	HARVEY	STEVE
N4JMR	HOUSTON	ED E.
	HUNT	D'LORAN ANN
W6RZD	HURT	FORREST
	IRWIN	AUDREY
K6ZTI	JENSEN	DALE R.
N6EXQ	JOHNSON	BRUCE L.
N6IRZ	JONES	JOHN F.
	KOHO	JACK H.
WA6JOK	KORAN	ED J.
WB9ZDS	MARLETT	CHARLES H.
WA6PMW	MOULTON	BILL J.
K6UG	NARDONE	DON
WA6AJC	ORLICH	MATT
WA6WET	REES	LEOLF M.
	SAUNDERS	OLIVER
KX6S	SEILER	EUGENE R.
KA6OUF	SMILJANICH	MIKE
KB6DTR	SMILJANICH	ROSE
WA6RUZ	SPEELMAN	CHARLEY
KB6CQD	VISSER	JON R.
W6JNR	WEST	ERNEST C.
N6AGA	WHEELER	ED G.
W6TUH	WHEELER	PHIL
W6GPE	WIKE	JIM
KB6ESF	WIDA	DEBORAH A

If you have found your name in the list above you have not renewed your membership in the TRW/ARC and this is the **LAST** Crosstalk you will get. This is your last warning. If you work for TRW, you received a notice from Bill Dews too. Sorry, but you will have to dig up a November, December or January Crosstalk to find the membership application or give Bill a call at (53)54393 and he will send you another one.

TRW ARC Club Breakfasts

Bill Dews, K6AWO, wishes to remind all of the members to show up from time to time at the Friday morning Club breakfast. The whole thing is very informal and we just have a good time talking and eating and spilling coffee on each other as we get excited about this rig or that band or the unbelievable computer we just bought. The only thing we don't get is a little sleep. You don't have to show up every week, just once in a while and get a look at the face of the guy you have been talking to on 2 Meters every morning or night. You can get a couple of scoops of scrambled eggs, hash browns, sausage or bacon, toast and coffee for under \$2.00 at the S Cafeteria. So come and join us, besides Bill is tired of staring at N6JLS and K7JAJ and sometimes W6EKK and his YF or N6DMV. How about some new blood?? (ed. Dennis, W6IGJ and John, W6IMQ, were welcomed at the breakfast on Valentine's Day.)

W6TRW Tower Working Party

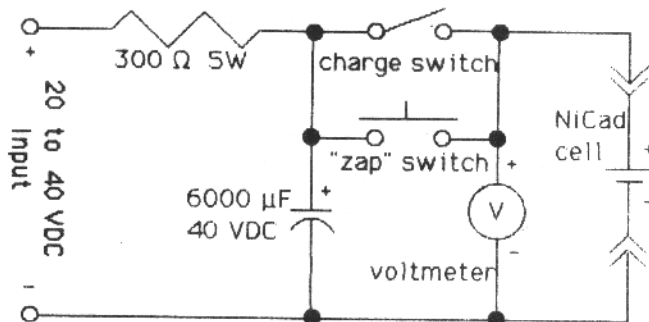
Bob Hume, K6GB

I am looking for TRW ARC members who would like to assist in erecting the new Rohn 45 guyed tower and KT34XA tribander antenna on top of building 65 for the W6TRW station. Those interested please call me at (213) 217-3624 (work) or (213) 376-4192 (home). The Rohn 45 tower sections are 10 feet long and weigh 70 pounds each. They are triangular with a 19 inch side. We have four sections plus an 8 foot top section. The tower will be guyed with 3/16ths inch stainless steel wire rope at the 20 and 48 foot levels. A gin pole will be used in erection. We have a heavy duty Tail-Twister rotor and ten foot mast for the top. The KT34XA is assembled and ready to go. Maintenance is installing heavy duty guy attach points and a welded base plate to the structural steel of Building 65. This work should be completed by February 14th. When completed, the Club will have a very beefy tower to support the large KT34XA beam. It should be easy and safe to climb and work on. A rotatable 40 Meter beam could be stacked on top in the future. The TRW ARC members should have a lot of fun on the HF bands during the next solar cycle with this new tower and antenna. Come out and be a part of the current effort.

Rejuvenating Your NiCads

Bill Schrecengost, KE6LB

When your Nickel-Cadmium (NiCad) battery pack no longer holds a full charge, or while unused goes dead after a day or so, don't throw it away - ZAP it! NiCad batteries typically develop internal hair-like high resistance short circuits which continuously discharge the cells. To correct this condition, "zap" the individual NiCad cells with a short duration, high voltage (35 to 40 VDC) to burn out the many tiny shorts. See the figure below for a good "zapper" circuit. It is important that the zapping be performed on individual NiCad cells of the battery pack rather than across the entire pack. This often means that a plastic case enclosing the battery pack must be opened to get at the individual cells. The positive probe of the zapper should be applied to the positive terminal of the NiCad cell. Before zapping, I suggest you measure the voltage of each cell on the pack to determine which cell or cells are sick. A healthy cell will measure 1.2 VDC when charged. Any cells that show lower than normal voltage should be zapped 8 to 10 times. Expect to draw a sizable arc when zapping the cells - this is normal.



Another suggestion for keeping your NiCads healthy is to consistently use/discharge them until the equipment in which they are being used stops operating. Put the fully discharged NiCads on trickle-charge (charge at 0.1 times the ampere-hour rating of the battery) overnight (12 to 14 hours) to bring them back up to full charge. This consistent full discharge/full charge cycling keeps them healthy and able to hold a maximum charge. Shallow charge/discharge cycling results in poor NiCad battery performance.

St. Patrick's Day Observance

Here it comes again, the TRW/ARC annual St. Patrick's Day observance. The place and time are the same, only the names are changed to protect the innocent! The festivities will be held at Shakey's, 5105 Torrance Blvd, Torrance, on the north side of the street between Anza and Palo Verdes Blvd. You will be able to save \$1 to \$3 on your pizza and ALL refreshments are FREE. If you have any questions or need directions call the Club Activities Chairman, Jim Wike at (53)56214.

ECT Noontime Check-In

Dale Jensen, K6ZTI

ECT means Emergency Communication Team and is a block you may have checked off when you sent in your membership application or renewal. Those who did, start bringing your radios to work with you (but not inside the buildings) so that you can participate in weekly noontime checkins. The purpose of these weekly noontime checkins or nets is to simulate near as possible conditions that might exist in the event of an emergency.

To get things started, we will have check-ins weekly. The day we picked is Wednesday noontime for the time being. We will keep things pretty loose at first as we feel our way along. By using a loose type of unstructured net organization, we simulate the condition that "first on the scene and on the air" gets things going. However, once a net is established a few moments later, the net becomes formal and all transmissions go through the Net Control Station (NCS). At this time, assigned NCS's are not realistic because the station first on the air becomes the NCS until he assigns someone else to be NCS or he is relieved.

Permissible areas where we can use our radios are confined to the parking lots, the Building S Cafeteria and the Building 134 Cafeteria. You may NOT bring your handheld past any controlled point until further notice. Operation is as follows:

1. Someone takes it upon him/her self to be NCS. Usually the first person to get on the air. Use the Club repeater to open the net. Call for stations to check in. NCS records call signs of all checkins. All stations checking in also record call signs of all stations checking in to get practice writing things down and for your turn as NCS.

2. After roll call, all stations switch to simplex on the Club repeater output. A local NCS takes over and calls for stations to check in to this local net. Local nets are to be established at Space Park around the Building E2 area, Space Park around the Buildings R6/M5/65 area, and other isolated areas where we have members. This will allow us to determine problems of interference and weak signal conditions. Again, all stations copy call signs, signal reports, etc. for practice in copying traffic.

3. At the conclusion of the local net activity, the NCS (step 1 above) opens the repeater and gets the reports from all the local area NCS's. These reports show call signs of those checking in and any remarks such as signal reports, problems, etc. All stations, here again, should copy all of the traffic for practice.

4. Finally, all stations (especially NCS's) should mail copies of their reports to the Club Emergency Coordinator, Dale Jensen, (Phone and MS on back page) so that good and bad operating conditions can be noted and used to advantage. Then we can be prepared for an emergency should we be called upon to help.

Please consider the following recommendation on operating practices. Keep transmissions short. While you are talking, someone else with an emergency will not be able to communicate. If you have a long message, handle it on another frequency. Every station should have a list of frequencies that can be used for this purpose. It generally is the responsibility of the station who is to receive the traffic to specify the operating frequency.

From the President

Chris Wachs, WA2KDL

This month I have four topics in the Presidents Corner. First is the results of the VHF Sweepstakes, followed by Packet Radio news. Third and fourth are a call for volunteers by AMSAT and how the Club can help the ARRL. The TRW/ARC VHF Sweepstakes has a new winner this year. First place goes to Frank Cartier, WA6RAY, who garnered 1,470 points. In second place is yours truly, Chris Wachs, WA2KDL, with 1170 points. Third place went to Jim Wike, W6GPE, who finished with 938 points. These top three scorers will receive prizes at the February meeting. Prizes were donated by Mel Erb, K6GWC. The rest of the TRW/ARC participants were Bill Dews, K6AWO, 632 points; Paul Herbert, K6GCR, 20 points and Walt Pearson, N6DZM with 16 points. I want to personally thank all those that participated in the contest.

The Packet news is very extensive. There is so much news that all I can say is tune in every Monday at 8:00 PM on 145.14 MHz to hear the latest news!! What I will say is that AEA has done it again. They have come up with an HF modem for Packet Radio!! This unit will work with both TNC-1 and TNC-2 designs! I believe it will even work with the PK-64. The unit goes between the radio and the TNC. The unit is audio coupled. I hear it has a 15dB improvement in signal to noise ratio over the TNC's built in modem! All you do on your TNC-1 or -2 is set the baud rate to 300 and turn on the HF modem connected to your radio! So all you PK-80 owners, HF will be easy of you!! The ARRL plan for unattended Packet operation was posted by the FCC. The only problem is the ARRL plan (now a rule) said 50 MHz and up. This means no unattended HF Packet operation! Is this what the ARRL wanted? I do not know but I do know all unattended HF "bulletin board" operation has ceased along with all HF automatic traffic passing with unattended network node controllers. I will let you know why this has happened and if there is a plan to gain FCC approval for HF unattended mode!

On February 15, 1986 N6BGW bulliten board will be going to -9. So don't forget all you 146.745 (-.600) Packet users! One last thing - DO NOT USE 145.010 for local LA area communication. Instead use 145.360 or 145.760 simplex or 146.745 (-.600)! THANKS!!

For two weeks beginning May 23, 1986, AMSAT Oscar Phase IIIC will be in thermal vacuum testing. If anyone would like to help out in the test in Deven, Colorado please let me know. (Phone and MS on back page)

The TRW/ARC is an ARRL Member Club. To be an ARRL Member Club a majority of the Club members must belong to the ARRL. The ARRL does a lot for you!! This year ham radio will be fighting to keep the frequencies it has and the ARRL will be doing most of the legal work to keep these frequencies!

The TRW/ARC now has a Bulletin Board! Call 316-9507 after 5:30 PM and before 8:00 AM Monday through Friday or anytime Saturday or Sunday. When the system answers the phone, hit the carriage return key twice and have fun! If the system doesn't answer, I forgot to turn it on! See you next month!!

Packet Radio PK-80 Group Buy

With all of the Packet Radio activity going on and all of the Club members taking the plunge, the TRW/ARC wants to make it easy for non Commodore 64 or 128 users to join in the fun. We are arranging a group purchase of AEA PK-80's which can be used with any computer that has an RS-232C serial port. There are already 6 interested parties but we need 10 or more. The PK-80 normally sells for \$220 but our price should be \$190 or less. If YOU are interested contact Jim Wike, W6GPE at X56214 or Steve Ng N6IQA at X51417 or Chris Wachs, WA2KDL at 316-9243. Don't think about it - do it now!

Justice is always violent to the offender, for every man is innocent in his own eyes.

President Chris Wachs opened the meeting. Chris thanked Jim Cox, K7JAJ for the excellent work done in installing the new repeater antenna - the repeater works better than ever. New member Len Baker, KB6KNQ and guest Bob Curtis, W6ECH were introduced. After the Treasurer's report the guest speaker was introduced: Mike Henderson, N6JFT, the national sales manager of Yaesu. Mike had an array of radios and a computer on display to demonstrate the computer control possible with Yaesu's transceivers. Unfortunately our VCR was incompatible with his tape and we could not view the video tape showing the Yaesu factory. Mike spoke about the present and projected status of the Ham population. He expressed his concern at the low number of new hams, stating that the average age of U.S. hams is 55 years! Mike called our attention to Yaesu's product lines in other than ham areas such as satellite dishes, telephone gear, marine and land mobile radios. The FT-757GX has undergone a redesign, the upgraded version will be available soon. Thinking of the future: Packet Radio built right in the transceiver, remote control (Gateway). Mike stated that his company provides discounts to ARRL affiliated clubs (the TRW/ARC is one) for shack equipment and group purchases. Thanks Mike for the fine presentation! Doorprizes included: 1 ARRL Antenna Book, 3 calculators, 1 Repeater Directory, and a \$25 gift certificate to C & A Roberts. The meeting was attended by 27 persons and was adjourned at 1259 local.

Field DayDale Jensen, K6ZTIField Day is coming June 27, 28, 29!

Most everyone who participated last-year agrees that they had a great old time and this year promises to be even better. For example, look forward to a Buttermilk Pancake Breakfast (cooked from scratch) on Sunday morning by no less than our own John Keller, N6JLS. Your Field Day Chairman is gonna help him (in a positive way, of course). And - we hope to have another great Saturday Dinner as good as the one put on by the Stockwells last year (if that is possible). Also - we're gonna get those great scores again to make it worthwhile... Here is what we gotta do this year to make it all happen:

1. Recheck the Quad antennas again. Last year we got the SWR match OK, but there is some concern that they are off resonance. We need to check them with a noise bridge (or equivalent) to make sure everything is OK. Action: The teams that use them (15 M SSB, 15 M CW, 20 M CW) have got to make arrangements to get this done.

2. Meal assignments - we need lots of help here. Only the Sunday morning breakfast is taken care of.

3. All team captains need an alternate. Last year we lost 15 M SSB because the Team Captain couldn't come. The whole team fell apart.

4. We should try for class 6A or better yet 7A. We get spread too thin if we try to go any higher. Here is the breakdown:

Station	Band(s)	Hours of Operation
1	15M/75M SSB	day/night
2	15M/80M CW	day/night
3	40M SSB	24 hours
4	40M CW	24 hours
5	20M SSB/VHF-UHF	day/night
6	20M CW/VHF-UHF	day/night
7	VHF-UHF	24 hours

Well, that's about it for now. More to come later. Please call the Field Day Chairman, Dale Jensen, and volunteer your services. (Phone and MS on back page).

It is with great sadness that we report that Paul Fisk, KD6NQ, has become a Silent Key. Paul passed away on January 22nd after about a month in the hospital. Paul was known for his opinions on any subject and was a regular on the repeater in the wee hours of the morning as his wife Marion, WB6FPS, motored to work. "Never Quiet" will be missed by all of us who knew him, especially me, you see, it was Paul that gave me the "Big Woolly Worms" phonetic to my Novice call of KB6BWW. Associate Member Carl Kennedy, WB6TDE, is retiring and a big bash is being thrown on April 4th. Carl has always been there on Field Day and those involved with RACES know that Carl has been very active in that organization as he works for the L.A. County Sheriff's Department Emergency Operations Bureau. Those wishing to attend the bash to be held at Steven's Steak House, 5332 Steven's Place, City of Commerce, (213) 723-9856, may contact Sgt. Rudy Lovio, 267-2522; Lt. Tom Gahry, 946-7935; Sgt. Bryan Hatch, 267-2093; Sgt. Joe Sargent, 974-4204 or Sgt. Mike Brandon, 272-9681. "Attitude Re-Alignment" will begin at 1830 hours with dinner served at 1930 hours. Cost is \$16.00 per person and checks should be made out to "Carl Kennedy Retirement Fund."

Bill Dews' Swapmeet roundup is still netting some new members, 12 to be exact!!

Welcome to the Club:

Rudy Eleff, K6BFL, an Associate member living out in Rosemead.

Jimmie Lee Hawkins, not yet a ham but interested enough to join up and see what's going on.

Jim Bogdan, WB6IMV, and Carolyn. Jim has an Advanced ticket and has been licensed for 24 years.

Kimberly Flemming, not a ham but works for TRW, and her husband Robert, N6MZW, who holds a General Class license. Jim isn't into Field Day but plans to use the repeater.

Alan Ivers, KB6AKV, licensed for about three years with a Technician Class license and is an ARRL member.

Douglas Moody, not a ham but a full fledged TRW/ARC Associate member living in Glendora.

Peter Barker, KB6ASH, holding a Technician license and a ham for all of two years, is interested in VHF and RTTY.

Wade White, KB6KMF, who with his wife Sally, KB6KUU, both hold General Class licenses and have interests in VHF.

Mike Gaetano, KB1AC, now a resident of Manhattan Beach, has been licensed for 14 years and holds an Advanced ticket.

Sanford Barnes, WB6UXK, a consultant with TRW holding and Advanced ticket and an ARRL member.

Tidbits from the Jolly Little S...

I have to admit that this has been one of the more enjoyable newsletters to work on. This month there were a lot of articles from our members directly relating to the interests of the Club and that makes my job all the more enjoyable. We have articles on Field Day, a technical article, a lot of information from the President, and a warning to those who have not yet renewed. I don't want to loose any of my readers so get your DUES to DEWS and DO it quickly! My tidbits is really no more than a filler this month because everything fit so nicely from page to page and all I had left was this little bit on the last column on the last page to fill in. I grant you that I probably could of dug something short out of another newsletter but that would have taken more time than I was willing to spend. By the way, if the newsletter doesn't come out on time next month it will be because a little person who is due the end of March had something to say about it and decided to arrive a little early. Keep monitoring the repeater for the latest information. As soon as we know, the Club will get the first birth announcement!