

W6NWG  
**Scope**

VOL. XXIV, NO., 1

1936 - 1983

JANUARY, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
 VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
 SECRETARY: Billy McCord, WB6TBQ, Vista  
 TREASURER: John Tentor, W6OLQ, San Diego  
 EDITOR: Ralph Crossman, K6HAV, Vista

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**READ ALL ABOUT IT! FCC VOTES DOWN THE NO-CODE CONCEPT! READ ALL ABOUT IT!**

ARRL Bulletin 134 of December 14 said that the FCC, on December 14, in the strongest possible manner, voted to retain the Morse Code requirement for all classes of amateur radio license. The vote was unanimous to repeal the concept of "no code".

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MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels that is only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have.)

TWO REPEATERS utilizing the club call sign, W6NWG, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is underway, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

#### JANUARY CLUB MEETING

THE PROGRAM for the evening will be presented by Michael Tentler on the subject of the Soviet System in Relation to Radio. Mr. Tentler, who holds a PHD in Electronics Engineering was born in Moscow and reared in Russia.

THE BUSINESS PORTION will feature the installation of the Club's officers for the coming year.

SHOW AND TELL will feature a display of an 81 db pad with one db steps, and another spike filter for computers and other voltage-sensitive equipment. Bob, KA6HZF, will display a 2M RDF antenna.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Write your bid and call sign on the card before the meeting and during the coffee break. At the end of the break, the high bid will win. You may bid as many times as you wish until the close of bidding. If you are the high bidder, you pays your



money and you takes your merchandise. Items will include an early Polaroid Camera with filters and light meter (a collector's item), an oxygen regulator with guages for pressure and liters per minute, a darkroom timer, a Millen Grid Dip Oscillator, Ham Radio magazines and other items from the estate of W6SCI.

The Club will also have for sale donated avocadoes and lemons. Check with the head of the household and see what you need to bring home.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those great low-cal goodies by Susan and Linda Rohrer. The goodies will be Guacamole and chips.

#### DECEMBER CLUB MEETING

At the December club meeting, Warren Hodges, W6DHX, of Rancho Bernardo, gave us a very interesting illustrated presentation on Hidden Antennas. His talk was very well received and his "weather vane" 2M antenna was applauded.

During Show and Tell, Stan, W9FQN, told us about his book listing amateur license holders by name; Marty, K6NS, showed us his 2M four element home-brew quad, and an RDF antenna built from an article in QST.

The reading of the minutes was dispensed with. The Treasurer's report was read and approved. Election of officers for 1984 was held. Nominations from the floor were Bob Hoover, KA6HZF, President; and Stan Rohrer, W9FQN, Vice President. Both nominations were declined. The Slate of officers nominated by the Nominating Committee was elected unanimously. It is as follows: President, Ed Ross, N6GZI; Vice President, Bill Cunningham, N6GSS; Secretary, Billy McCord, WB6TBQ; Treasurer, John Tentor, W6OLQ.

A silent auction was conducted and the Club made a penny or two, thanks to Stan, W9FQN, who took the time to set it up and collect the money for the Club; and to Bob, KA6HZF, and to Pat, N6INN, both of whom took home un-needed items in attempts to start the bidding or to bid the items up. The auctioned items were donated to the Club from the estate of Walt, W6SCI.

Matt's coffee was great, as were the Xmas tasties and punch from Linda, Susan, and Barbara Rohrer, KA6FPS.

A fine meeting, excellent entertainment and refreshments, a good turnout, and the other half of the family won a prize, so a grand time was had by all.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly and with true ham decorum.

AT THE DECEMBER MEETING: Felix, N6IE, was appointed as Chairman of the Interference Committee. Members who copy interference to the repeaters on the input should call Felix at 724-4772 and inform him. ED, N6GZI, said that any member wishing to participate in the Volunteer Examiner Program should inform him. The Committee authorized Stan, W9FQN, to spend up to \$75 on anchor bolts for the Club's new tower.

A grand time was had by all.

#### TOWER DONATED BY RADIO STATION KOGO RECEIVED. \$\$\$NEEDED FOR INSTALLATION

Plans are proceeding apace to come by the wherewithall necessary to buy the re-bar and concrete necessary to pour the base. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps and it's going to take quite a little bit!

Thanks to Carl and Leona Wallace, K6YEO and WA6OHB; Ron Wilhemy, KF6ND; Wade Moore, KE6XF; Bob Hoover, KA6HZF; and Chuck Calvert, KA6GRG; for their donations to the Tower Fund.

#### LICENSE EXPIRATIONS

1/84: WB6TBQ. 2/84: WA7FUI, K6PP, WA6SVN, and W6QWH. 3/84: WB7NFH. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.

#### BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, WD6BEZ, WD6CLG, N6DRX, VE2EP, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and WA6TIJ, are available from our aging-but-agile club treasurer, W6OLQ.



### THE PREZ SAYS

Dear Members: This has been a difficult, but fruitful year for the PARC. In 1983 we have lost several key members. One, Bob Clark, N6DYO, was our president; another Walt, W6SCI, control operator, cop; and Les, W6JSL, was the owner of the repeater site who gave us first choice to purchase it. These folks and others have passed away during the year - may they rest in peace.

For nine of the last 12 months, I have been your acting President and in that time, with tireless help of the Executive Committee and others we have moved the Club along the path which Bob, N6DYO, set before us in late 1982. Our goals were to finalize incorporation, improve the meetings, and acquire the repeater site.

These goals have been met. In addition, we have acquired a 3.5 KW generator and a commercial grade 70' tower, both through donations. The generator from PACIFIC TELEPHONE COMPANY, and the tower from radio stations KOGO and KPRI.

Aside from, and more important than, the acquisition of material goodies, is the rekindling of the spirit and cohesiveness of our club. To this end we have worked very hard to get our former, present and new members to come to our General Membership Meetings.

To do this we have improved our selection of guest speakers, added Show and Tell, Silent Auction, and home made goodies, kept the same fine coffee, given great prizes, and SHORTENED business meetings.

Other than meetings, our members have participated in three disaster drills, 11 public service events, three days of the amateur radio booth at the Del Mar Fair, Sweepstakes '82 (1st in S.D. Section), Field Day '83 (1st in class in S.D. Section and 2nd in Calif.). The membership has also enjoyed a great picnic, some collected prizes, and again awarded our scholarship.

On-going nets on our repeater include the nightly North County Traffic Net, the Sunday morning A.R.E.S. net, the Tuesday morning YL Net and Radio Calendar. When necessary, we have nets to support the Red Cross, Red Flag Patrols, and once for standby at 1:10 a.m. after an earthquake.

Innumerable times our operators have helped people in traffic hazards and accidents, roadside distress and have reported brush fires and suspicious behavior.

The Club also now has a computer-generated financial program of accounting and budgeting.

The SCOPE has gone through some changes which promise to bring us a better quality newsletter which will include some advertising to help defray the expenses of publication.

The Club has also had a table at several swap meets; and has helped the survivors of Silent Key members.

The Executive Committee's plan of action for 1984 includes, but is not limited to, the following:

1. Review of Constitution and By-Laws
2. Installation of our tower
3. Interference Committee
4. Swap Meets/Auctions
5. Public/Private School Programs
6. Amateur Radio Licensing Classes
7. Survivors' Assistance
8. SANDARC Proposals
9. Scholarship Award
10. Field Day
11. Public Service/Disaster Events

In summation, I am most grateful for the kindness, counsel, and encouragement of the membership, especially those who serve you on the Executive Committee. They, by consensus decision making, honest opinions, and amicable disagreement, have moved us through 1983.

Though we have been saddened by the loss of close personal friends, we have continued to march. We can point with pride to our club's many accomplishments. I can promise that we will continue to improve that which we are able to improve; and that we will not attempt to "fix it if it ain't broke."

Good health, Prosperity and Peace in 1984!

Warm regards and 73 de Ed Ross, N6GZI





### COMPUTER CORNER

The ASR-33 advertised in this month's SCOPE is supposed to work with the VIC-20, and can be interfaced easily with one plug and two transistors to the VIC user's port. See me for diagrams. The interface might work with the C-64 computer. Apple Stock dropped from a high of \$62 in June to \$24 in September. All modems will possibly go up in price by 5% soon because of patent enforcement. Osborne has retreated to the U.K.

de W9FQN

### FORESAIL

(That's no Marconi, that's a jib, son, see the onions)

ASR-33 TTY Machine in good condition. Call Dave, WA6HQM, at 753-2605.

From the estate of Bob Clark, N6DY0: Tempo 2020 80-10M xcvr w/built-in AC pwr supply, spare final & driver tubes, spkr, and mike, Tempo 2010 external VFO, all for \$350. A great rig for getting started on HF. Call Ralph, K6HAV, 727-5866.

Teletype machines Models 15, 19, 26, and strip /punch printers), make offer. Call Stan, W9FQN, at 749-00276.

Yaesu FRG-7 communications rx .5 to 30 MHz CW/SSB/AM, five years old, in perfect condx, \$165. Call Ray, WA6LUX, at 282-4509, down San Diego way.

Home-brew antenna tuner w/roller inductor and Ameco swr bridge; Heathkit HO-10 Monitor Scope; Swan 500 w/pwr supply. Call Russ, W6HZJ, at 728-8925.

ICom IC255A 25W dual VFO 2M FM xcvr w/"black Box". Hustler CG-154 mobile antenna w/quick disconnect and bumper mount. Call Nate, K2RTQ, at 271-7744.

Motorola 70-120 watt 136-150.8 MHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes and all documentation. Has GLB synthesizer for frequency control. Would make an excellent repeater. Call Phil, K6ROR, at 724-0098.

Westcom RS-20A power supply, \$75. Collins KWM-2A, hf xcvr, round, \$400. Collins KWM-2, winged, w/pwr supply, \$300. Collins 312-B-5 outboard VFO, round, near new, \$350. Call Allen, N7AMR, at 434-5656.

Power supply w/110VAC input and 25VDC @ 25A output, in 19" table-top cabinet. Has Sola Constant Voltage Transformer and 160,000 mFd of filtering, \$60. BC-312 military rx, \$20. Call Harry, K6EQC, at 941-1610. 10/83

Yaesu TS-720RU 450 MHz 10W FM xcvr w/detachable control head and 3M cable, \$250. Never raced. Call Gene, K6EJO, at 727-0811. 11/83

Hi-Gain TH3/3 tri-band beam. Call Russ, WB6STZ, at 583-3297. 9/83

Kenwood TS-120S w/kpwr supply, 500Hz filter, and mike, \$500. Call Bob, K7WLX, at 729-5519. 11/83

Clegg 27B 30W FM 146-148 MHz synthesized xcvr w/mobile mount and manual, \$75. Call Ralph, K6HAV, at 727-5866.

### WANTED

(Chloe!)

Autek audio filter. Call Russ, W6HZJ, at 728-8925.

Dead or alive. ICom IC-22A. Call Dennis, N6KI, at 271-6079. 10/83

### HELLUP WANTED

(Start houted men)

Full or part-time sales counter help. Also, two-way radio technician. Call Merit, W6NLO, at WESTCOM, at 744-0728.

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnuington (CT 06111), that is and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will jump for joy and speed to the bank.

ELECTRONICALLY ORIENTED FLEA MARKETS in operation are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 MHz simplex.

SURPLUS GOODIES at Hiway Electronics, 305 W. Wisconsin Ave., Oceanside. Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.



IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or magazines need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or 100' self-supporting tower.

#### GENERATOR FUND

The Club has received the 3.5KW motor generator set which was donated to it by Pacific Telephone. The motor has been overhauled at a price of about \$264, which Ed, N6GZI, has paid. The Executive Committee has voted to establish a Generator Fund to defray the cost of the refurbishment, and to pay for a battery for the generator. Those who would like to contribute can get their money to John, W6OLQ, at any club meeting or to the Club's P.O. Box 1603 address. Let's get Ed off the hook while keeping the Club solvent and capable of paying off its loan on the repeater site.

The generator is currently getting wheels on it, courtesy of N6GZI, while W9FQN and K6NS are getting together a control board for it with metering for frequency, running time, and voltage and current of the AC and DC persuasions.

The Generator Fund is off to a good start. We thank the following contributors to the fund: N6AT, W6BRF, KA6GRG, K6HAV, WB6HMY, W6HUG, KA6HZF, N6INN, WB6IQS, KF6ND, WA6NNC, WA6OHB, W6OLQ, KA6GRG, estate of W6SCI, WB6TBQ, KE6XF, and K6YEO.

#### RAIN REPORTS

All you laggards who haven't been reporting your rainfall totals lately had better get hot and do it! Rainfall is reported to the National Weather Service via the Club's 2M repeater. Daily totals for the period 1100-1100 are reported to John, K6QCW, or Joe, WB6HMY, at 1100 daily. Reports should include the 24-hour total in inches and your geographical location such as north San Marcos, central Oceanside, etc. John and Joe phone the reports to the NWS at Lindberg Field. The NWS is also interested in unusual weather phenomena, which may be reported in the same manner as rainfall.

#### SICK CALL

Jim Kavan, W6IPP, is reportedly not making any progress. He's in the VA Hospital in La Jolla.

Jack Williams, W6BLL, former PARC member, is also in the VA Hospital and underwent surgery on December 16.

#### DOWN THE TOOBE

Joe, WB6HMY, our North County Traffic Net (NCTN) Manager, would like it very much if some of our CW ops could act as Liaison Stations to the Southern California Nets. SCN1 is a 20+ wpm CW net which meets on 3598 kHz at 1900 local; and SCN2 is a 15 (max) wpm CW net which meets on 3598 kHz at 2015 local. Both meet nightly. Our NCTN is a recognized outlet for SCN, and it behooves us to provide liaison stations. Do it!

Leona, WA6OHB, and Carl, K6YEO, send a nice note, accompanied by their contributions to the Tower and the Generator Funds, telling of their "seagoing" Commodore 64 computer. They use a 12V DC TV for a monitor.

John Bescher, WB6ETJ, of Olivenhain, says he's been inactive for several years, and celebrates his reentry into "active duty" by joining the PARC. Welcome, John. We look forward to meeting you.

N6INN's tower is up, as we so accurately predicted in last month's SCOPE, and ready for the installation of five or six antennae. This necessitates the purchase of much coax and rotor control cable. Little by little . . . . .

We enjoyed hearing Owen Garriott, W5LFL, on three different occasions. We didn't enjoy the repeated attempts by terrestrial stations to transmit to W5LFL on HIS transmit frequencies. Wonder what all those ten frequencies he had to listen on were to be used for???

We are sorry to note the passing of ARRL President Vic Clark, W4KFC, on November 25. Can remember reading about him when we first started in with ham radio.

"That's all", she wrote.



## ADVERTISING

Here is your opportunity to advertise in the SCOPE! Palomar Amateur Radio Club Members are the GOOD GUYS and it pays to do business with them. You can do business with your friends, help the club, and possibly get a "tax write off".

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\$5/MONTH/CARD  
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SCOPE - JANUARY

Don Johnson  
WD6FWE  
1140 Lincoln St  
Carlsbad CA

02/84

02008



NORTHERN SAN DIEGO COUNTY

W6NWX  
**Scope**

VOL. XIV, NO., 2



1936 - 1983

THE PALOMAR AMATEUR RADIO CLUB, INC.

POST OFFICE BOX 1603  
VISTA, CALIFORNIA 92083-0530

FEBRUARY, 1984

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#### FEBRUARY CLUB MEETING

THE PROGRAM for the evening will be presented by Harry Field, W6LKC, charter PARC member and master antenna builder. This will be the second of Harry's presentations, and will show us some more of the practical stunts he uses in his antenna work. No one should miss this presentation since it's a down-to-earth expose of practical antenna building, matching, and tuning.

SHOW AND TELL will feature a short demonstration of the VIC-20 being used as a keyboard keyer and code practice system. Check January '84 QST for more details. Brian, KF6BL, might even make a tape of the program during the intermission if you bring a blank. Brian also has the QST MUF program and a distance/beam-heading program.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Write your bid and call sign on the card before the meeting and during the coffee break. At the end of the break, the high bid will win. You may bid as many times as you wish until the close of bidding. If you are the high bidder, you pays your money and you takes your merchandise. Items will include an electronic multimeter ME-6D/W, a Heathkit 75 ohm VSWR meter, small electronic parts, and hard covers for 73, QST, and CQ magazines.



COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those great low-cal goodies by Susan and Linda Rohrer.

#### JANUARY CLUB MEETING

At the January club meeting, Dr. Michael Tentler gave us a most interesting presentation, in which he told us about his life in Russia and how he managed to leave the country, if only with the clothes on his back. Too bad you missed him. A fascinating story.

During Show and Tell, Bob, KA6HZF, showed us his version of the AD6Z Special 2M RDF antenna, and Stan, W9FQN, demonstrated his home-brew 81 db pad for bench use and turkey hunts. Ed, N6GZI, showed us how to cure problems of RFI on telephones.

During the business meeting, Barbara, KA6FPS, reported that she has mailed out 8-10 membership information packets to those requesting them. Three or four have joined the Club. When you give Barbara information of a prospective member, be sure and include your own name for reference, and be sure that the prospective member has asked for membership information.

Ed, WA6EYX, stated that more volunteers are needed for Red Flag Alert patrols.

N6GZI introduced the Club's officers for 1984.

Stan, W9FQN, again put on an excellent silent auction which netted the Club a pretty penny or two, as did the avocados and lemons, which he donated to the Club. The Guacamole and chips by Susan and Linda Rohrer were muy sabroso, as was the coffee by Matt, KA6QFF. The prizes won by N6INN and others too humorous to mention were excellent. A grand time was obviously had by all.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, a forum with decorum.

AT THE JANUARY MEETING John, W6OLQ announced that the generator fund had fulfilled its purpose of paying for the \$264 expended to refurbish the generator. The Committee voted to put any excess from the Generator Fund into the Tower Fund. The Committee voted to recommend to the Club that the Palomar Amateur Radio Club Scholarship be disestablished; and that the matter be voted on at the March meeting. John, WD6AOL, told us about the Volunteer Examiners Program, which will start when more details are available. John, WB6IQS, announced a need for solid state 450 MHz gear to permit up-dating the repeater control system. He is looking for donations of solid state GE or Motorola rx/tx strips.

A grand time was had by all.

#### TOWER DONATED BY RADIO STATION KOGO RECEIVED. \$\$\$NEEDED FOR INSTALLATION

Plans are proceeding apace to come by the wherewithall necessary to buy the re-bar and concrete necessary to pour the base. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps and it's going to take quite a little bit!

Thanks to Carl and Leona Wallace, K6YEO and WA6OHB; Ron Wilhemy, KF6ND; Earl Chico, K6MXM; Wade Moore, KE6XF; Bob Hoover, KA6HZF; and Chuck Calvert, KA6GRG; Matt McCormack, KA6QFF; Jim Muncy, W6HUJ; Bob Gonsett, WA6QQQ; and Charlie Fay, KE6QV for their donations to the Tower Fund. We now have more than \$200 in the Tower Fund.

#### SOLID STATE 450 MHZ MOTOROLA OR GE RECEIVER AND TRANSMITTER STRIPS NEED

Our Repeater Committee Chairman, John, WB6IQS, is planning on up-dating the repeater control system, and needs solid state 450 MHz rx/tx strips. Contact John on W6NWG/R or call him at 724-8380. Do it!

#### LICENSE EXPIRATIONS

2/84: WA7FUI, K6PP, WA6SVN, and W6QWH. 3/84: WB7NFH. 4/84: KS6S and KB6MI. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.

#### BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, WD6BEZ, WD6CLG, N6DRX, VE2EP, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and WA6TIJ, are available from our aging-but-agile club treasurer, W6OLQ.



### COMPUTER CORNER

It looks as if Commodore will be coming out with the C-264 which will have spaces to "plug in" programs (2-3) at \$300-\$400 to start with. This machine will not have all of the C-64 features and will probably drop in price rapidly if the imports give it some competition. The 264 will cost less to produce than the C-64.

de W9FQN

### ITEMS OF INTEREST IN JANUARY 1984 AMATEUR RADIO MAGAZINES

QST: VIC-20 Keyer, RTTY Current Loop Interface, Intermodulation Distortion, Windom J-L, Practical Antennas. 73 Magazine: Crosslinking repeaters, Repeater S-Meter beeper, Alarms, Mobile Installations, Q-Meter, NiCads. CQ Magazine: Alarm system, Antenna bridge, All-Band modified Windom.

de W9FQN

### FORESAIL

(Don't be mizzen the point.)

Kenwood TS-520SE 1.8-28 MHz xcvr w/built-in cw filter and Kenwood MC-50 mike, \$400. Dentron Transmatch antenna tuner for 160-10M, \$85. Globalman EK-108-D automatic electronic keyer, \$40. Two antennas - one 40M vertical and one Mini Products hybrid quad for 20-6M w/30' mast, 100' of coax, and Channel Master rotor, all for \$175. Call Charlie, WB6DUS, at 757-0780.

Teletype machines Models 15, 19, 26, and strip/punch printers, make offer. Call Stan, W9FQN, at 749-00276.

Heathkit HO-10 Monitor Scope; Swan 500 w/pwr supply; Swan 500 w/p.s.; Kenwood VFO 820 remote vfo; Murch Ultimate Transmatch 2000A. Call Russ, W6HZJ, at 728-8925.

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Yaesu TS-720RU 450 MHz 10W FM xcvr w/detachable control head and 3M cable, \$250. Never raced. Call Gene, K6EJO, at 727-0811. 11/83

Hi-Gain TH3/3 tri-band beam. Call Russ, WB6STZ, at 583-3297. 9/83

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SURPLUS GOODIES at Hiway Electronics, 305 W. Wisconsin Ave., Oceanside. Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.



### THE PREZ SAYS

In order to meet our financial commitments we need a membership of about 250-275. We are down from that figure and down from last year's membership total at this time. It is important to our club that we extend the offer of membership to our friends who are not now members; and to those we meet with on the repeater. Let's not be bashful about telling others about our fine organization. If they express an interest, invite them to a club meeting or give their name and callsign to Barbara, KA6FPS, so that she may send them an information/membership packet. We have a fine club, let's let folks know about it.

73 de Ed Ross, N6GZI

### GENERATOR FUND

The Generator Fund has now done its job and the club treasury has been reimbursed for the \$264 spent to refurbish the fine generator donated to the Club by the former Pacific Telephone Company. Thanks to the following contributors to the fund: N6AT, W6BRF, KA6GRG, K6HAV, WB6HMY, W6HUG, KA6HZF, N6INN, WB6IQS, KF6ND, WA6NNC, WA6OHB, W6OLQ, KA6GRG, KA6QFF, KE6QV, estate of W6SCI, W6TZV, WB6TBQ, KE6XF, and K6YEO. We'll thank all of you again the first time the generator is needed. Well done!

### NEWS RELEASES FROM THE FCC

THE U.S. has third party traffic agreements with the following governments: Antigua and Barbuda, Argentina, Australia, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, The Gambia, Ghana, Grenada, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Jordan, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Lucia, St. Vincent and the Grenadines, Swaziland, Trinidad and Tobago, Uruguay, and Venezuela. The U.S. also has such an agreement with the International Telecommunication Union (ITU) permitting third party traffic with its station 4U1ITU in Geneva, Switzerland.

In 1984, all FCC field offices will give examinations during the same week in each calendar quarter. Applications for exams must reach the office at which you wish to be tested by the 15th of the month preceeding the month in which tests are to be given. Examination weeks are: Feb 6-10, May 7-11, Aug 6-10, and Nov 5-9. Application cutoff dates are the 15th of Jan, Apr, Jul, and Oct. The application must be legibly completed (print) in ink. Amateur applicants must include a complete Amateur Record Card FCC form 763. If you are a licensed Amateur include the original license or photocopy thereof.

Approximately two weeks prior to the exam week you will receive an admittance pass giving date, time, and location of the exam. Do not call requesting a specific time or date or to confirm your appointment. Your pass is your confirmation. All amateur c.w. exams will be given in the morning. Non-code amateur exams will be in the afternoon. NO ADMITTANCE PASS, NO ADMITTANCE TO THE EXAM.

Current plans at the La Mesa office are to schedule amateur exams for Wednesdays. Additional days will be scheduled only if the number of applicants exceeds the exam location capacity.

The dates for the Los Angeles office are the same as for La Mesa. Exams will also be conducted in Phoenix in June. Exam applications for Phoenix must reach the L.A. office by May 18th.

Thanks to June Butler of the La Mesa Office for the above info. Thanks also to June Clark and Nash, W6HCD, for providing us with the info from the L.A. office.

### LATE STUFF FROM THE ARRL LETTER

Call signs issued by the FCC as of the first of December were: NW6Q, KF6VG, N6JRK, and KB6CYV.

A permanent third party traffic agreement is now in effect between the U.S. and Grenada, J3.

If you worked or tried to work W5LFL, please send a business-size SASE to Space Shuttle, ARRL 225 Main St., Newington, CT 06111. Mark the outside of the envelope "ham 2-way" or "reception report," as appropriate. The QSL cards will not be ready for a month or maybe more - - Garriott will send QSL artwork from the flight, and then cards will be printed. Please be patient - - we are receiving hundreds of reports and cards daily, and it looks like there's no end in sight.

### RAIN REPORTS

All you laggards who haven't been reporting your rainfall totals lately had better get hot and do it! Rainfall is reported to the National Weather Service via the Club's 2M repeater. Daily totals for the period 1100-1100 are reported to John, K6QCW, or Joe, WB6HMY, at 1100 daily. Reports should include the 24-hour total in inches and your geographical location such as



north San Marcos, central Oceanside, etc. John and Joe phone the reports to the NWS at Lindberg Field. The NWS is also interested in unusual weather phenomena, which may be reported in the same manner as rainfall, but need not wait until 1100.

#### REPEATER CONTROL OPERATORS

The Control Operators for W6NWG/R are: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

#### SICK CALL

Jim Kavan, W6IPP, is back home again after a long, long stay in the VA Hospital in La Jolla. Thanks to Frank, WB6HFE, Jim was able to get on the air via W6NWG/R for a short while Friday before Christmas. Jim wishes to express his thanks to the many folks who sent cards and messages. Jim says he'll be back up on 2M soon, but won't be back up on HF.

Jack, W6BLL, is back home and doing fine.

#### DOWN THE TOOBE

Former Vistan and former PARC member Bill Jago, K7MO, was back in the area over the holidays visiting family.

Felix, N6IE, has a warning for fellow Avanti "through-the-glass" antennas. Felix found that the interior unit, which fastens onto the windshield with sticky tape, had come loose. He peeled off the sponge rubber with sticky tape afixed and, using some Crazy Glue, reafixed the unit to the inside of his windshield. He was chagrined the other day to find that it had again come loose, this time taking some of the windshield glass with it. He now has an irregularly shaped pitted area up to a 1/32nd of an inch deep where the glass adhered to the unit and cracked and came off. Felix deduces that the glue is stronger than the glass; and that there is a different coefficient of expansion in the glass and in the unit so that the cold nights or hot sun has done the job and caused the glass surface to flake off. Looks like we'd best stick to a non-rigid adhesive!

Had another nice note and pictures from Carl and Leona, K6YEO and WA6OHB, from Guaymas, Mexico where they now have their boat. It was written on their new Commodore 64, and quite nicely for a first effort.

Bill Driml, W6NAT, sends 73 to his friends and says he can't hear W6NWG/R from downtown Fort Dick, but he is available on the KISS Net on 3932 kHz and on the County Hunters Net on 14336 kHz daily.

Frank, WB6HFE, says that the Price Club has the Thomas Brothers Guide for San Diego County for \$6.29. He recommends that we not get the "Zip Code" version since the Zip Codes tend to overprint some of the street names.

We sure appreciate the time and effort that John, WB6IQS, and Bob, KA6HZF, have gone to take donated equipment to the Santee Flea Mart to sell for the Club. They have wiped out the mound of surplus stuff we've been storing for the Club, and the Club has turned a penny or two. Thanks also to all of those who have donated surplus gear to the Club for sale.

We hope that you old timers, who remember the Gil cartoons from QSTs of yore, will appreciate the hand-drawn copies of some of them which we'll print from time-to-time, starting in this issue. The artist is A. Nonymous, a fellow club member.

"That's all", she wrote.

#### RECEIVED TOO LATE TO CALCIFY

WANTED: Xtal controlled 2M RX, can be from HT or other xtal controlled solid state rig. RX must be operable. Call Stan, W9FQN, at 749-0276.



# ADVERTISING

Here is your opportunity to advertise in the SCOPE! Palomar Amateur Radio Club Members are the GOOD GUYS and it pays to do business with them. You can do business with your friends, help the club, and possibly get a "tax write off".

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\$5/MONTH/CARD  
\$30/HALF YEAR/CARD  
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FOR  
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Oceanside, CA 92054

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**Vista  
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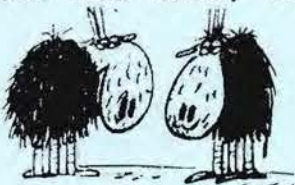
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SCOPE - FEBRUARY 1984

Don Johnson  
WD6FWE 07/84  
3140 Lincoln ST  
Carlsbad CA

92008





W6NWG

# Scope

VOL. XVIV, NO., 3

1936 - 1984

MARCH, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
 VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
 SECRETARY: Billy McCord, WB6TBQ, Vista  
 TREASURER: John Tentor, W6OLQ, San Diego  
 EDITOR: Ralph Crossman, K6HAV, Vista

+++++

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels that is only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have.)

TWO REPEATERS utilizing the club call sign, W6NWG, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is underway, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

## MARCH CLUB MEETING

THE PROGRAM for the evening will be presented by Jack Althouse, K6NY, owner and proprietor of Palomar Engineering. Jack, who is always an interesting speaker, will tell us what in the world he's doing over there on Mission in Escondido. If you haven't tried one of his SWR and Peak reading wattmeters, you should. It will be an interesting presentation.

During the business portion of the meeting we will vote whether or not to discontinue the PARC Scholarship.

SHOW AND TELL will feature a demonstration of a low cost burglar alarm system that can be used in the house or your car (CQ Jan '84), plus the usual surprises from the membership. If you have purchased a new item of equipment, please consider giving the club members a report/demonstration during the SHOW AND TELL section of the meeting.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Write your bid and call sign on the card before the meeting and during the coffee break. At the end of the break, the high bid will win. You may bid as many times as you wish until the close of bidding. If you are the high bidder, you pay your money and you take your merchandise. Items will include a VTVM, magazines, books, and hard-to-find small items.



Stan, W9FQN, will probably again have Fuerte avocados available for sale for the Club's profit. Thanks to all who have purchased Stan's fruit to the Club's benefit. And thanks to Stan.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those great low-cal goodies by Susan and Linda Rohrer.

#### FEBRUARY CLUB MEETING

At the February club meeting, we saw a film "A Look At Sound" instead of hearing Harry Field's presentation, since Harry was ill.

During Show and Tell, Bob, KA6HZF, demonstrated an interface/terminal unit to operate with the Vic-20 computer and amateur radio equipment. Bob told us how we could get together and build the unit for about \$85 (as compared to \$139-\$200). Bob suggested that it become a club project, with a minimum of ten folks necessary to get the parts for the \$85 figure.

During the business meeting N6GZI announced that Ralph, K6HAV, would be Field Day Committee Chairman. He also said that the annual picnic would be on August 12 (mark your calendars NOW).

N6GZI announced that the Executive Committee recommended to the Club that the Annual Scholarship Fund be discontinued after the award of the scholarship for 1984. This will be voted on at the March meeting.

Guy, KB6AI, asked for the Club's feeling on permitting the Red Cross to use the Club's roster for soliciting volunteer help. The Club voted not to permit this use of the roster, but did agree to permit the printing of a short notice from the Red Cross in the Scope requesting volunteers.

Stan, W9FQN, again put on an excellent silent auction which netted the Club a pretty penny or two, as did the avocados and lemons, which he donated to the Club. The chocolate chip cookies by Susan and Linda Rohrer were muy sabroso, as was the coffee by Matt, KA6QFF. A grand time was had by some winners.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, a forum with decorum.

AT THE FEBRUARY MEETING Ed, N6GZI, announced that Emily, WA6ZKC, will be the Picnic Committee Chairman again this year. K6HAV to be Field Day Committee Chairman. Stan, W9FQN, told the Committee that he has had indications of interest in renting space from the Club in its building on Mount Palomar. The Committee discussed leasing space to other organizations. N6GZI directed W9FQN to conduct negotiations with those interested parties, with final approval to rest with the Executive Committee.

The Committee further discussed the requirement for an educational and training program; and the necessity for a better public information program. The Committee also talked about Field Day, and could not arrive at a consensus as whether to attempt to put on a public demonstration or to "go for the points".

Committee will recommend to Club that proposal be made to SANDARC to purchase amateur antennas for north county hospitals, using SANDARC funds. A SANDARC scholarship program was also discussed.

John, WB6IQS, announced that he has received no response to his request for solid state 450 MHz gear to permit up-dating the repeater control system. He is looking for donations of solid state GE or Motorola rx/tx strips.

A grand time was had by all.

#### TOWER DONATED BY RADIO STATION KOGO RECEIVED. \$\$\$NEEDED FOR INSTALLATION

Plans are proceeding apace to come by the wherewithall necessary to buy the re-bar and concrete necessary to pour the base. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps and it's going to take quite a little bit!

Thanks to Carl and Leona Wallace, K6YEO and WA6OHB; Ron Wilhemy, KF6ND; Earl Chico, K6MXM; Wade Moore, KE6XF; Bob Hoover, KA6HZF; and Chuck Calvert, KA6GRG; Matt McCormack, KA6QFF; Jim Muncey, W6HUI; Bob Gonsett, WA6QQQ; and Charlie Fay, KE6QV for their donations to the Tower Fund. We now have more than \$200 in the Tower Fund.

#### SOLID STATE 450 MHZ MOTOROLA OR GE RECEIVER AND TRANSMITTER STRIPS NEED

Our Repeater Committee Chairman, John, WB6IQS, is planning on up-dating the repeater control system, and needs solid state 450 MHz rx/tx strips. Contact John on W6NWG/R or call him at 724-8380. Do it!



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### COMPUTER CORNER

Several software companies are reportedly ready to deliver their products directly to the consumer by electronic means at a reduced price, an announcement which has been received with no little trepidation by software dealers.

Timex is out of the home computer business, having apparently found the under-\$100 market too rough for its Timex-Sinclair 1000. Commodore and others have since entered the market with more sophisticated computers.  
de W9FQN

### BOOKS AND MAGAZINES

The Club, from time-to-time, receives donated books and magazines to be sold, with the profits going into the club's coffers. At the present, we have 73, QST, and Ham Radio covering the years from mid-1960 to the present. Those who are new to amateur radio might give consideration to buying some of them for their interesting construction projects, including many on antenna construction. These magazines also provide much-needed background information on amateur radio which helps to give historical bits of information to let you better understand what the Big Guys are talking about. Some of these magazines will appear at the Club's silent auctions. Those who would like to buy complete years should contact Stan, W9FQN. Unsold sets are taken to the swap meets. Vacuum tubes are also available.

Thanks to Jim Kavan, W6IPP, for his monumental magazine donation.

### FORESAIL

(Don't be mizzen the point.)

Heath SB-310 monitorscope, Collins 75S3-B rx, 32S-3 tx w/pwr supply. Rx is transistorized w/complete set of tubes also included. Call Jim, W6IPP, at 753-1090.

Kenwood TR-7800 25W 2M xcvr w/mike and book, \$175 or best offer. Call Earl, K6MXM, at 743-0860, or on W6NWG/R.

Complete HF station by Hallicrafters. Excellent starter station for getting on the HF bands. Call Ed, N6GZI, at 270-1697.

Vic-20 and MFJ interface and Hamsoft, all for \$150. Call Stan, W6MIO, at 745-7082.

Infotech Model 300 keyboard, new, unused, but I can't type. For ASCII, RTTY, and CW. CW speed 4-125 wpm. 2K RAM, 700 byte running buffer. Cost \$450. Call Jack, W6QP, at 724-3341.

Kenwood TS-520SE 1.8-28 MHz xcvr w/built-in cw filter and Kenwood MC-50 mike, \$400. Dentron Transmatch antenna tuner for 160-10M, \$85. Globalman EK-108-D automatic electronic keyer, \$40. Two antennas - one 40M vertical and one Mini Products hybrid quad for 20-6M w/30' mast, 100' of coax, and Channel Master rotor, all for \$175. Drake 50 ohm dummy load, \$25. Benjamin-Michael 24-hour clock, \$25. Heath swr meter, \$20 Call Charlie, WB6DUS, at 757-0780.

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SURPLUS GOODIES at Hiway Electronics, 305 W. Wisconsin Ave., Oceanside. Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

NEWS RELEASES FROM THE FCC

In 1984, all FCC field offices will give examinations during the same week in each calendar quarter. Applications for exams must reach the office at which you wish to be tested by the 15th of the month preceeding the month in which tests are to be given. Examination weeks are: Feb 6-10, May 7-11, Aug 6-10, and Nov 5-9. Application cutoff dates are the 15th of Jan, Apr, Jul, and Oct. The application must be legibly completed (print) in ink. Amateur applicants must include a complete Amateur Record Card FCC form 763. If you are a licensed Amateur include the original license or photocopy thereof.

Approximately two weeks prior to the exam week you will receive an admittance pass giving date, time, and location of the exam. Do not call requesting a specific time or date or to confirm your appointment. Your pass is your confirmation. All amateur c.w. exams will be given in the morning. Non-code amateur exams will be in the afternoon. NO ADMITTANCE PASS, NO ADMITTANCE TO THE EXAM.

Current plans at the La Mesa office are to schedule amateur exams for Wednesdays. Additional days will be scheduled only if the number of applicants exceeds the exam location capacity.

The dates for the Los Angeles office are the same as for La Mesa. Exams will also be conducted in Phoenix in June. Exam applications for Phoenix must reach the L.A. office by May 18th.

The FCC now has the new forms for use when antennas exceed maximum allowable standards (like in close proximity to airports, etc).

Thanks to June Butler of the La Mesa Office for the above info. June was also kind enough to send the Club the Commissions's rulemaking on the Volunteer Examination Program. Thanks also to June Clark and Nash, W6HCD, for providing us with the info from the L.A. office.

LATE STUFF FROM THE ARRL LETTER

Call signs issued by the FCC through the first of February in the 6th call area are: NY6O, KP6YN, N6KCA, and KB6DVQ.

The ARRL filed two petitions concerning the 160 meter band on Feb. 2. One asks that power restrictions on 1900-2000 kHz be eliminated. The other requests FCC to allow F1 emissions for RTTY on 1800-2000 kHz.

RAIN REPORTS

All you laggards who haven't been reporting your rainfall totals lately



had better get hot and do it! Rainfall is reported to the National Weather Service via the Club's 2M repeater. Daily totals for the period 1100-1100 are reported to John, K6QCW, or Joe, WB6HMY, at 1100 daily. Reports should include the 24-hour total in inches and your geographical location such as north San Marcos, central Oceanside, etc. John and Joe phone the reports to the NWS at Lindberg Field. The NWS is also interested in unusual weather phenomena, which may be reported in the same manner as rainfall, but need not wait until 1100.

#### REPEATER CONTROL OPERATORS

The Control Operators for W6NWG/R are: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

#### SICK CALL

John Campbell, WB6HSZ, had a triple bypass operation on Saturday, Feb. 18 at Sharp's Memorial. He is recovering nicely, and Alex, WB6TQF, says that if his progress continues, John will probably go home before this hits the postal inspectors down at Jim Church's place.

In company with Stan, W9FQN, and Bob, WA6KZN, we stopped in to see Jim Kavan, W6IPP, at his home. Jim is bedfast and is on oxygen 24-hours a day, but has a good outlook. We may take a small HF rig down and see if he can use it on his bedside table. Jim does have a 2M rig and gets on from time-to-time.

#### DOWN THE TOOBE

Had a phone call from Dick King, NH6AK, former WB7NFH, who is now in Hawaii. He wanted to let us know that he had upgraded and had a new call sign, and said that he was going to Japan for six months. If you're interested in any radio gear from Japan, you can reach him at: AC1 Richard King, VP-1, FPO San Francisco, CA 96601. He says "Hi" to his many friends and admirers.

Any of you who are interested in antique radios should talk to Floyd, W6THU. Floyd is from Glendale but has a condo in Solana Beach and is planning on making our next club meeting. Floyd also belongs to a large antique radio club and will be happy to tell you all about it.

Ray, WA6LUX, says that he'd sure like to sell his FRG-7 general coverage rx, but appreciates the ad in SCOPE - even though it didn't move his rx. Thanks for the kind words, Ray.

"That's all", she wrote.

#### ADVERTISING

Here is your opportunity to advertise in the SCOPE! Palomar Amateur Radio Club Members are the GOOD GUYS and it pays to do business with them. You can do business with your friends, help the club, and possibly get a "tax write off".

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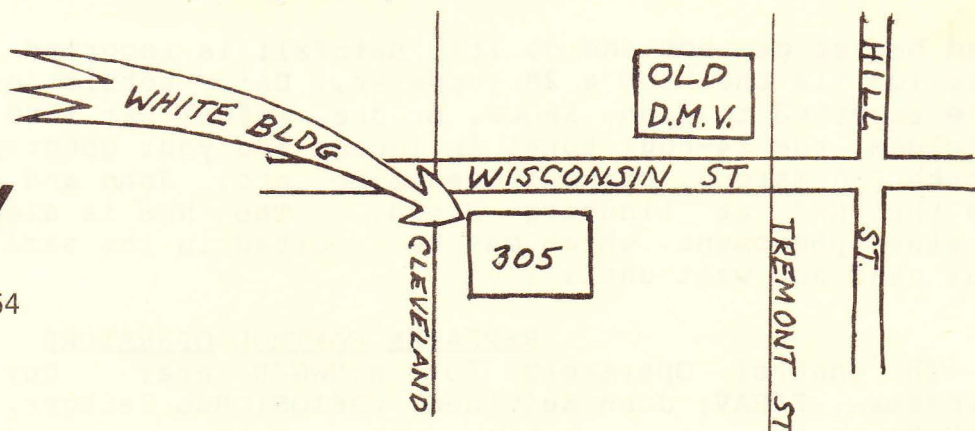
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SCOPE — MARCH

John Kuivinen  
WB6IQS 07/84  
P.O. Box 1466  
Vista CA

92083





W6NWG

# Scope

VOL. XXIV, NO., 4

1936 - 1984

APRIL, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
 VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
 SECRETARY: Billy McCord, WB6TBQ, Vista  
 TREASURER: John Tentor, W6OLQ, San Diego  
 EDITOR: Ralph Crossman, K6HAV, Vista

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels that is only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have.)

TWO REPEATERS utilizing the club call sign, W6NWG, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is underway, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

## APRIL CLUB MEETING

THE PROGRAM for be presented by a representative of SDG&E, who will talk to us about power lines and RFI.

SHOW AND TELL will feature spike suppressors for computers revisited, an up-date, and likewise for the alarm system which Stan, W9FQN, showed us last month. Stan will show us how he made the PC board for the alarm. We will also see the Harmoniker band pass filter of the type the Club will use on Field Day to reduce mutual interference. If you have recently purchased or built a new item, of equipment, please consider giving the club members a report/demonstration during the SHOW AND TELL section of the meeting.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Items will include a Craig 4350A high and low VHF and UHF scanner, a generator filter, a VOM, magazines, and small parts.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those great low-cal goodies by Susan and Linda Rohrer.



### MARCH CLUB MEETING

At the March club meeting, Jack Althouse, K6NY, owner and proprietor of Palomar Engineers, gave us a most interesting presentation on his company's line of equipment. Jack is an interesting speaker and this time was no exception. Sorry you missed it.

During Show and Tell, Stan, W9FQN, displayed a burglar alarm he has built.

During the business portion of the meeting the Club, with no negative votes abolished the Palomar Amateur Radio Club Scholarship.

Stan, W9FQN, again put on an excellent silent auction which netted the Club a pretty penny or two, as did the avocados and lemons, which he donated to the Club. The NoCal goodies by Susan and Linda Rohrer were muy sabroso, as was the coffee by Matt, KA6QFF. A grand time was had by some winners.

### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, a forum with decorum. Wowiee!

AT THE MARCH MEETING the Committee voted to reimburse WB6IQS, up to \$50 for repeater modifications and building improvement; to recommend to the Club that the PARC take part in ARRL Field Day 1984, and authorized the expenditure of up to \$100 for gas and oil for the generators. The Committee also decided that the Club should express its will as to co-hosting a joint PARS, EARS, PARC Xmas party. N6GSS was appointed Advertising Manager for the SCOPE; and the Club's representative for the Del Mar Fair Amateur Radio booth. The Treasurer was directed to move the Club's account into an interest bearing account at Glendale Federal Savings since our present bank is going to charge us for our existing checking account.

A grand time was had by all.

AT A SPECIAL MEETING OF THE EXECUTIVE COMMITTEE, immediately following the March club meeting, the Committee voted to approve the form of a contract to be used for leasing space in the repeater building; and to authorize Stan, W9FQN, to negotiate a rental agreement with Riverside Communications.

### PREZ SEZ

Let's be sure and patronize our advertizers, and let them know that you saw their ads in SCOPE. Their ads will keep our newsletter coming to you at no increase in cost. They deserve your support. The same is true of Glendale Federal Savings, who has let us have the use of their fine hall all of these years. If you need printing, other than cheapy QSL cards, see Vista Printing Service. Paul deserves our hearty support. Give all of these folks a hand, they've sure given us one! Carrow's Restaurant, too.

de Ed, N6GZI

### FIELD DAY

If the Club votes to take part in the ARRL 1984 Field Day Contest, PARC will operate in the four-transmitter class, with rigs on all permissible bands from 160M to 450 MHz. We plan to operate near W9FQN's house just east of the Circle R Golf Course in an area adjacent to one of the Valley Center Water District's tanks. The site is easily accessible over blacktop roads and is only 4-5 miles off of I-15.

### TOWER FUND

The Tower Fund now stands at \$377.52. Thanks to the following folks who have contributed to it: WA7AMS, N6CKQ, WD6ENK, KA6GRG, K6HAV, KA6HZF, N6IE, N6INN, WA6IPD, WA6LUX, K6MXM, KF6ND, KA6QFF, WA6QQQ, KE6QV, W6TZV, KE6XF, and K6YEO. Yes, Art, we got your check, but I didn't learn about it and the rest of the new donors until now.

If you want to help, make your check payable to the PARC for the Tower Fund, and send it to our P.O. Box 1603 address.

### LICENSE EXPIRATIONS

4/84: KS6S and KB6MI. 6/84: W6INI. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.



### BADGES

Badges anxiously awaiting their owners, who are: VE2EP, KB6DQR, and WA6QGC, are available from our aging-but-agile club treasurer, W6OLQ.

### ANNUAL EARS AUCTION

The Escondido Amateur Radio Society will hold its annual auction at 1930, April 23 at the Glendale Federal Savings in the Vineyard Mall, next to the Sears Mall on Valley Parkway in Escondido. PARC members are invited to come as sellers or buyers or both. Gear to be sold should be marked with the name and call sign of the owner and a minimum bid if desired.

### FORESAIL

(Don't be mizzen the point.)

ICom IC2AT 2M HT w/ rubber duck, wall charger, and BP-3, \$175. KLM 160M vertical antenna in new condx, \$45. Jones Micro-Match SWR/pwr meter, good to 150 MHz, \$12.50. Call Dennis, N6KI, at 271-6079.

Collins 75S3-B rx, 32S-3 tx w/pwr supply and speech processor. Rx is transistorized w/complete set of tubes also included. Call Jim, W6IPP, at 753-1090.

Collins R-390 general coverage rx, recently aligned, \$99. MFJ 496 keyboard, line new, \$199. Call Bill, N6COU, at 758-7163.

Kenwood HC-10 World Clock, cost \$94.95, \$55. Cubic-Swan mobile antenna model M-34 w/40M coil and whip, never used, cost \$104.95, \$60. Collins dummy load r/e, cost \$325, \$50. Collins SM-2 mike, exlnt condx, \$55. Westcom 20A 12 VDC pwr supply \$60. Complete Yaesu FT-102 station. Includes xcvr, FC-102 antenna tuner, SP102P speaker w/phone patch, and MD-1 mike. All nearly new w/original boxes and manuals. Complete station \$775 firm. Call Allen, N7AMR, at 434-5656.

Vic-20 and MFJ interface and Hamsoft, all for \$150. Call Stan, W6MIO, at 745-7082.

Infotech Model 300 keyboard, new, unused, but I can't type. For ASCII, RTTY, and CW. CW speed 4-125 wpm. 2K RAM, 700 byte running buffer. Cost \$450. Call Jack, W6QP, at 724-3341.

Kenwood TS-520SE 1.8-28 MHz xcvr w/built-in cw filter and Kenwood MC-50 mike, \$400. Dentron Transmatch antenna tuner for 160-10M, \$85. Globalman EK-108-D automatic electronic keyer, \$40. Two antennas - one 40M vertical and one Mini Products hybrid quad for 20-6M w/30' mast, 100' of coax, and Channel Master rotor, all for \$175. Drake 50 ohm dummy load, \$25. Benjamin-Michael 24-hour clock, \$25. Heath swr meter, \$20 Call Charlie, WB6DUS, at 757-0780.

Kenwood TS-120S w/kpwr supply, 500Hz filter, and mike, \$500. Call Bob, K7WLX, at 729-5519. 11/83

Motorola 70-120 watt 136-150.8 MHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes and all documentation. Has GLB synthesizer for frequency control. Would make an excellent repeater/base station. Call Phil, K6ROR at 724-0098.

### WANTED

(Chloe!)

Cheep, cheep, cheep 40' crankup tower. Call Stan, W6MIO, at 745-7082.

Xtal controlled 2M RX, can be from HT or other xtal controlled solid state rig. RX must be operable. Call Stan, W9FQN, at 749-0276.

Antique radios, radio and ham magazines, and historical information on radio companies in the '20s and '30s. Call Floyd, W6THU, 213-242-8961 or write to Floyd Paul, 1545 Raymond, Glendale, CA 91201.

Working ICom IC-22A and/or other small 2M xtal-type rig, cheap, cheep, cheep. Copy of manual/schematic for Atronics code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079. 2/84

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#### NEWS RELEASES FROM THE FCC

A March 12 Public Notice from the FCC's Regional Director in San Francisco gave a list of some of recent malicious interference complaints under investigation in the San Diego area. Details and identities are omitted where the cases have not had final action taken. A condensation is given below.

On February 15, U.S. Marshal, accompanied by FCC engineers, executed a search warrant and seized the amateur radio station equipment of Harold R. Claypoole in San Diego. Claypoole, former N6BII, had been repeatedly observed operating an unlicensed station on the 40-meter amateur band. He had been licensed as early as 1952 and had twice lost his license for cause. A criminal complaint was filed through the U.S. Attorney. He was scheduled for arraignment in U.S. Magistrate Court on March 13.

Wilfred A. Crochetiere of El Cajon has been issued \$2,000 monetary forfeiture for operating an unlicensed station and for jamming the 146.04-.64 SANDRA repeater on Mount Otay. He has not yet paid this fine, and the matter has been referred to the U.S. Attorney for collection proceedings in federal court.

On January 4, an Official Notice of Violation was issued to a Santee Extra Class operator, citing him for willful and malicious interference to other amateur communications, also involving use of the SANDRA repeater. This case is now before the Private Radio Bureau, pending decisions whether to initiate license revocation and operator privilege suspension proceedings.

On February 8, an Advanced Class amateur near San Diego State University was observed jamming communications of other amateurs using the SANDRA repeater. FCC engineers pinpointed the location and conducted an inspection of the offending station. An Official Notice of Violation was issued on February 27, but the operator has not yet replied to the Notice.

On February 14, an Advanced Class amateur in Alpine was observed jamming communications of other amateurs using 147.990 MHz by rebroadcasting music from a local FM station for some 30 minutes. FCC engineers pinpointed the source of the offending signals and an Official Notice of Violation was issued March 9. The licensee has 10 days in which to reply to charges of violating several FCC Rules: failure to identify, broadcasting, transmitting music, and willful and malicious interference.

Other similar cases are under active investigation in the San Diego area, with further FCC inspections of amateur stations expected. At least two additional cases may be issued in the next few days.

Thanks to Scott, KD6FY, for furnishing us a copy of the Notice which he received at a recent SANDRA meeting. Thanks also to June Butler of the La Mesa FCC office. She can be reached for more details at 293-5478.

#### LATE STUFF FROM THE ARRL LETTER

The Goddard Amateur Radio Club station, WA3NAN, will retransmit Space Shuttle audio from the next flight, STS-41C, on frequencies near 3,860, 7,185, 14,295, 21,390, and 28,650 kHz. Launch is currently scheduled for April 4.

Last call signs issued in the sixth call area as of March 1 were: NY6T, KF6ZS, N6KDL, and KB6EBK.

#### SICK CALL

Jim, W6HUI, visited Tri-City Hospital with angina pains. At this writing he was feeling better and expected to go home after 3-4 days.

John Campbell, WB6HSZ, after a triple bypass operation.

#### DOWN THE TOOBE

Congratulations to Larry, KB6DNR, who has upgraded to General Class.

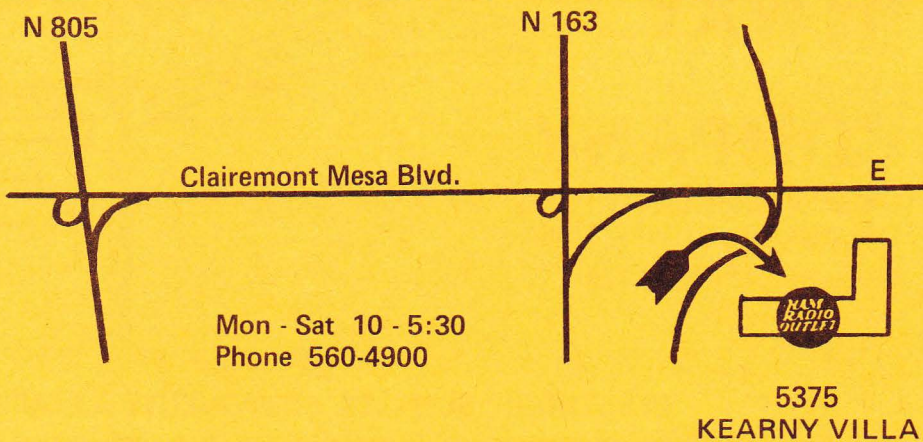
Our condolences to Wade, KE6XF, who lost his XYL on the 1st of March.

Congratulations to charter PARC member Art Stewart, W6BOS, who wed Emma Kramer, KA6IDL. Art and Emma are off in Hawaii.

Hi to W6NAT sez W6DXM.

"That's all", she wrote.





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ICOM IC-2AT/3AT/4AT . . . . .	Great prices on these . . . . .	
ICOM IC-02AT . . . . .	New Rig - now available with "bells	
	& whistles!" - (includes a programable PL) . . . . .	\$314.00

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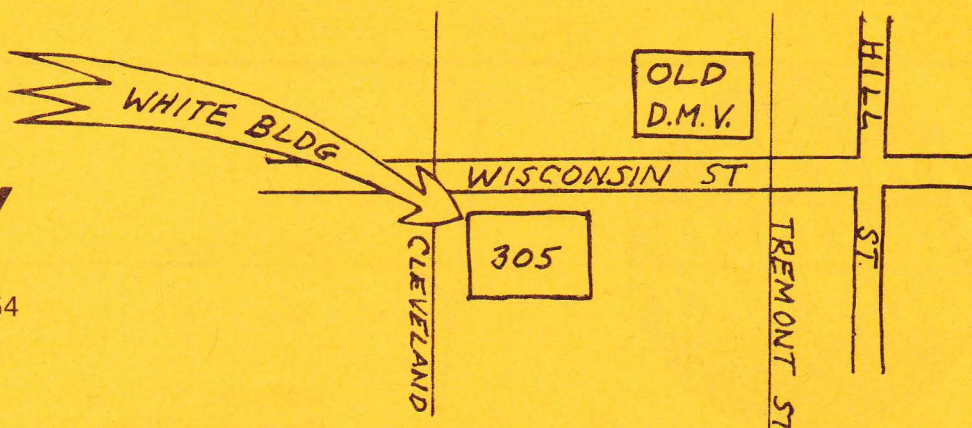




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**RESISTORS** — Low to Megohms, Power, Wirewound Globar, Non-inductive Edgewound, Precision.

**REOSTATS / POTENTIOMETERS** — ¼ Watt to 1 KW.

**RELAYS** — Power - Line Contactors - Hi Volt A.C. and D.C.

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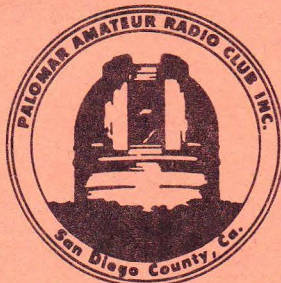
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John Kuivinen  
WB6IQS 07/84  
P.O. Box 1466  
Vista CA 92083





W6NWG

# Scope

VOL. XXIV, NO., 5

1936 - 1984

MAY, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
 VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
 SECRETARY: Billy McCord, WB6TBQ, Vista  
 TREASURER: John Tentor, W6OLQ, San Diego  
 EDITOR: Ralph Crossman, K6HAV, Vista

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## MAY CLUB MEETING

THE PROGRAM will be presented by El Senor Felix Ferranto, N6IE, who's going to tell us about his participation in the last Byrd Expedition to the Antarctic during 1939-1941. You won't want to miss this one. Felix has some great "sea stories" to tell.

SHOW AND TELL will feature Larry, KB6DNR, who will show us some unique uses for your old (and gnu) money. If you have recently purchased or built a new item, of equipment, please consider giving the club members a report/demonstration during the SHOW AND TELL section of the meeting.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Items will include a Craig 4350A high and low VHF and UHF scanner, magazines, and small parts.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those tasty low-cal goodies by Susan and Linda Rohrer. There probably will be some nice avocados for sale, donated by Stan and other rancheros famosos.



### APRIL CLUB MEETING

At the April club meeting: The Club voted to participate in the ARRL 1984 Field Day Contest.

Applications for appointment as Volunteer Examiner are available from WD6AOL.

The PARC will man the Del Mar Fair Amateur Radio Booth on June 15, 16, & 17. Volunteers are needed. Contact N6GSS.

The Club voted to instruct its delegates to SANDARC to vote against the DX Club proposal to donate \$1,000 of SANDARC funds to the California DX Foundation.

The program for the evening was presented by Mr. Arnold Hamberger, Radio and TV Interference Inspector from SDG&E, who outlined possible RFI sources, and corrective measures to take. One salient point: Log all of the details of suspected power line-borne RFI before calling SDG&E. The times, dates, signal strength, direction, and type of interference (a tape recording will help). N6GZI has a tape of Mr. Hamberger's presentation.

During Show and Tell, Stan, W9FQN, displayed his RFI filter and despiker, and his alarm system and gave construction details. John, W6OLQ, had keyboard overlays for the Vic-20 and C-64 for use with Ham Text software. Ron, KF6ND, demonstrated a battery charger.

Stan, W9FQN, again put on an excellent silent auction which netted the Club a sou or two, as did the avocados and lemons, which he donated to the Club. The NoCal goodies by Susan and Linda Rohrer - que sabroso, as was the coffee by Matt, KA6QFF. A grand time was had by all of us winners.

### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, in a gentlemanly manner.

AT THE APRIL MEETING the Committee spent a thoroughly enjoyable evening eating, drinking, and telling lies. We really didn't do much business, but did hear a lot of committee reports including WB6IQS's plans to work on the repeaters and control system; W9FQN's report that rental of space to Riverside Communications may have fallen by the wayside due to possible RFI problems; and the necessity for all Club members to cooperate in getting their friends who frequently use W6NWG/R to join the Club and help support the repeaters. The Club's generator was turned over to W9FQN, by N6GZI.

### PREZ SEZ

Please make plans now to help out on several public service events in the coming months, i.e.: Encinitas Flower Festival, Del Mar Fair, FIELD DAY, Red Flag Patrols, etc. Also remember that our repeater may be used by groups needing it for these events. If YOU would like to participate or help in any way, please contact me or any Club official.

de Ed, N6GZI

### NEW CLUB MEMBERS

Welcome to the following new members of the Palomar Amateur Radio Club: Mike Davis, KG6FD; Keith Wyatt, N6JPA; Lee Willis, N6KKG; Pete Foretic, N6KGZ; Jack Leffingwell, WB5TAA; Don Bingham, WA6TIJ; and Chet Price, KD6XI. GNU (old) SCOPE subscriber is Ed Null, WB6WQI. You man enough to take it straight, Ed or will it be the "plain brown wrapper" route?

### FIELD DAY

The Club has voted to take part in the ARRL 1984 Field Day Contest. The PARC will operate in the four-transmitter class, with rigs on all permissible bands from 160M to 450 MHz. We plan to operate near W9FQN's house just east of the Circle R Golf Course in an area adjacent to one of the Valley Center Water District's tanks. The site is easily accessible over blacktop roads and is only 4-5 miles off of I-15. There will be a map next month.

Chief Operators. Chief Ops who have volunteered are: for VHF/UHF K6GJD; for 10M W9FQN; for 20M N6GZI; and for 40M KS6S and AD6Z. Volunteers for Chief Ops for 15M, 75M, and 160M are needed. Felix, N6IE, is looking at the idea of getting together teams of CW ops to spell the folks on phone. If you can help in any capacity, contact Ralph, K6HAV, at 727-5866 or on W6NWG/R.

There will be no centralized feeding. Bring your own food and drink. The Club generator will be used, and others will be required.

Every HF station will operate with a brute force line filter, and if possible, with a band pass filter, both provided by the Club. Additionally, HF stations will use a low pass filter and an antenna tuner. All of this in an attempt, this year, to reduce mutual interference. There



will be a pre-contest reconnaissance of the site to determine station, antenna, and generator locations.

Bob, WA6QQQ, has bought and donated a beautiful 160M KLM vertical antenna to the Club for its use on Field Day. It is greatly appreciated.

#### TOWER FUND

The Tower Fund now stands at \$507.52. The following folks have contributed to it: WA7AMS, N6CKQ, WD6ENK, KA6GRG, K6HAV, KA6HZF, N6IE, N6INN, WA6IPD, WA6LUX, K6MXM, KF6ND, KA6QFF, WA6QQQ, KE6QV, K6ROR, W6TZV, KE6XF, and K6YEO. New contributions have come from: WA6TIJ, K6ROR, KE6QV, N6IE, and KA6QFF.

If you want to help, make your check payable to the PARC for the Tower Fund, and send it to our P.O. Box 1603 address.

#### LICENSE EXPIRATIONS

6/84: W6INI. 7/84: W6NBR. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.

#### RADIO AMATEUR CIVIL EMERGENCY SERVICE

Frank, WB6HFE, RACES Emergency Coordinator for Northern San Diego County, says that RACES needs more operators in all areas of the County, but particularly in Fallbrook and San Marcos. RACES drills are held every Monday except holidays at 7:30 p.m. on 147.195 receive, and usually last about 15 minutes. If you would like to join and serve your country and community, talk to Joe, WB6HMY, who will give your name and address to Frank so that he may send material to you via mail.

#### FORESAIL

(Don't be mizzen the point.)

✓ AEA software for CW, RTTY, and ASCII for VIC-20. Cost \$60, sell for \$40 or best offer. Call Terry, WB6RWP, at 758-8750. *CART. (NEEDS TV) TU, \$175*

Collins S-Line station to a good home. 32S-1 xmtr w/solid state supply and Shure 444 desk mike, 75S-1 rx, all in xlnr condx for \$375. Call Larry, KB6DNR, at 726-7389.

Yaesu FRG-7700 general coverage rx w/all bells and whistles, \$325. Robot 800, \$325. HR-2 w/2 xtals for SoCal repeaters, \$75. TI-99/1A, new in original box \$60. Call Will, W2FWV, at 436-3277.

ICom IC2AT 2M HT w/ rubber duck, wall charger, and BP-3, \$175. Jones Micro-Match SWR/pwr meter, good to 150 mHz, \$12.50. Call Dennis, N6KI, at 271-6079.

Yaesu TS-720RU 450 mHz FM xcvr w/detachable control head and 10' cable and mobile mount \$250. Never raced or used in DX contests. Only installed in Mercedes Benz cars. Call Gene, K6EJO, at 727-0811.

Collins R-390 general coverage rx, recently aligned, \$99. MFJ 496 keyboard, line new, \$199. Call Bill, N6COU, at 758-7163.

Cubic-Swan mobile antenna model M-34 w/40M coil and whip, never used, cost \$104.95, \$60. Collins dummy load r/e, cost \$325, \$50. Collins SM-2 mike, xlnr condx, \$55. Westcom 20A 12 VDC pwr supply \$60. Complete Yaesu FT-102 station. Includes xcvr, FC-102 antenna tuner, SP102P speaker w/phone patch, and MD-1 mike. All nearly new w/original boxes and manuals. Complete station \$775 firm. Call Allen, N7AMR, at 434-5656.

✓ Vic-20 and MFJ interface and Hamsoft, all for \$150. Call Stan, W6MIO, at 745-7082.

Infotech Model 300 keyboard, new, unused, but I can't type. For ASCII, RTTY, and CW. CW speed 4-125 wpm. 2K RAM, 700 byte running buffer. Cost \$450. Call Jack, W6QP, at 724-3341.

Kenwood TS-120S w/kpwr supply, 500Hz filter, and mike, \$500. Call Bob, K7WLX, at 729-5519. 11/83

Motorola 70-120 watt 136-150.8 mHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes and all documentation. Has GLB synthesizer for frequency control. Would make an excellent repeater/base station. Make an offer. Call Phil, K6ROR, at 724-0098.

#### WANTED

(Chloe!)

Cheep, cheep, cheep 40' crankup tower. Call Stan, W6MIO, at 745-7082.

Xtal controlled 2M RX, can be from HT or other xtal controlled solid state rig. RX must be operable. Call Stan, W9FQN, at 749-0276.

Antique radios, radio and ham magazines, and historical information on radio companies in the '20s and '30s. Call Floyd, W6THU, 213-242-8961 or write to Floyd Paul, 1545 Raymond, Glendale, CA 91201.

Working ICom IC-22A and/or other small 2M xtal-type rig, cheap, cheep,



cheep. Copy of manual/schematic for Atronics code reader (early model).  
Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079. 2/84

#### SOLID STATE 450 MHZ MOTOROLA OR GE RX/TX STRIPS NEEDED

Honest John, WB6IQS, our Repeater Committee Chairman, is planning on up-dating the repeater control system, and needs solid state 450 MHz rx/tx strips. Talk to him on W6NWG/R or call him at 724-8380.

#### REPEATER CONTROL OPERATORS

Control Operators for W6NWG/R are: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; and Phil Schutze, K6ROR.

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnuington (CT 06111, that is) and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will leap with alacrity and speed to the bank.

ELECTRONICALLY ORIENTED FLEA MARKETS in operation are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceding Saturday. TRW talk-in frequency is 145.320 MHz simplex. The Orange County Ham-Computer-Electronics Swap Meet takes place on the 2nd Sunday of the month at Orange Coast College. \$5 for sellers, free for buyers. It starts at 0700. Talk-in on 147.510 simplex or 147.090 up 600.

SURPLUS GOODIES at Hiway Electronics, 305 W. Wisconsin Ave., Oceanside. SEE AD THIS ISSUE. Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

#### LATE STUFF FROM THE ARRL LETTER

ARRL's request for the elimination of power restrictions on 160M has been approved by the FCC. Effective immediately, A1 and A3 emissions with a maximum PEP output of 1500 watts are permitted in all areas under FCC jurisdiction over the entire 1800-2000 kHz band.

On March 28, ARRL filed a Petition for Rulemaking seeking early implementation of the Amateur Service allocations at 24.89-24.99 and 902-928 MHz. The mode subdivisions proposed for the 24 MHz band correspond to IARU band plans adopted in the three IARU Regions, including our own Region 2. If granted, the ARRL petition would result in operation being permitted at the usual amateur power levels by General and higher class licensees at 24 MHz, and Technician and higher class at 902 MHz.

There are still U.S. Government Fixed Service operations on the 18 MHz band and it will not be released to the Amateur Service until those operations have been relocated.

#### SICK CALL

The XYL of John, WB6HSZ, has suffered a heart attack and has undergone by-pass surgery, just weeks after John had his. He says her attack was more serious than was his.

#### DOWN THE TOOBE

Congratulations to Ted, K6RF, on his informative article on antenna erection on Page 54 of the April '84 issue of CQ Magazine.

Jack Stafford, KC7IB, formerly WA6NGZ, was heard on the repeater as he fled north county for the tall timber in Oregon.

We certainly appreciate all of the nice things that Keith Wyatt, N6JPA, has to say about the Club and SCOPE. THEY'RE ALL TRUE, TOO! Thanks Keith.

Leona, WA6OHB, writes and says that they have changed their minds about taking their boat, Malaga, into the the South Pacific, and will go on a friend's boat instead.

Hod, W6UCN, is in town, and promises to terrorize the neighborhood for a couple of weeks. Mebbe he'll make the meeting.

"That's all", she wrote.



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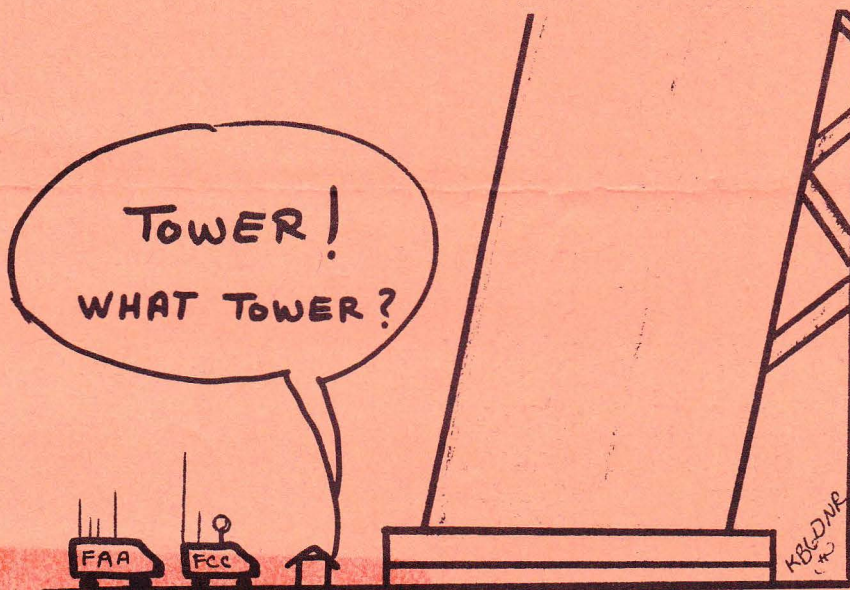
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LINDA J. McCULLOUGH  
VICE PRESIDENT  
MANAGER

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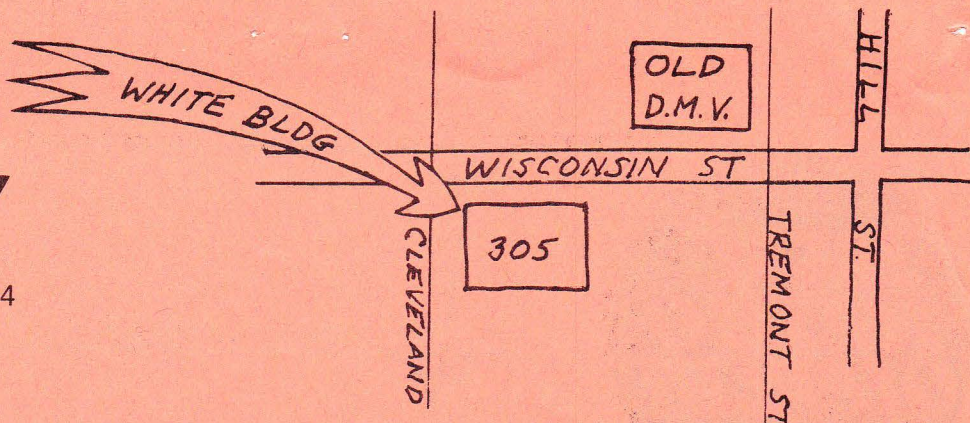




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NORTHERN SAN DIEGO COUNTY

W6NWX  
**Scope**



THE PALOMAR AMATEUR RADIO CLUB, INC.  
POST OFFICE BOX 1603  
VISTA, CALIFORNIA 92083-0530

VOL. XXIV, NO., 6

1936 - 1984

JUNE, 1984

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VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
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THE CONTROL OPERATORS FOR W6NWX/R ARE: Guy Rowlett, KB6AI; <sup>757-1745</sup> Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; <sup>729-4504</sup> Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

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#### JUNE CLUB MEETING

THE PROGRAM for the evening will be presented by Harry Field, W6LKC, who will continue his series on Rolling Your Own Antennas. He will tell us more about the CCD antenna and show us some more of his innovations.

SHOW AND TELL will feature John, WB6IQS, and a presentation on How a Repeater Works. If you have purchased a new item of equipment, please consider giving the club members a report/demonstration during the SHOW AND TELL section of the meeting.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Write your bid and call sign on the card before the meeting and during the coffee break. At the



end of the break, the high bid will win. You may bid as many times as you wish until the close of bidding. If you are the high bidder, you pay your money and you take your merchandise. Items will include a Wilson Mk II 2M HT, donated by K6SLA; a Craig 4350A scanner, donated by KB6DNR; a TS-323 vhf/uhf freq meter of the LM persuasion; an old telegraph sounder (collectors take note); and the ever-present magazines, books, and hard-to-find small items.

Stan, W9FQN, will probably again have avocados available for sale for the Club's profit. Thanks to all who have helped the Club, and treated themselves by springing for some of this great Green Gold.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those nice low-cal goodies by Susan and Linda Rohrer.

#### MAY CLUB MEETING

At the May club meeting, Felix, N6IE, told us about his part, as a young Marine radio operator, in the final Byrd Expedition to Antarctica during 1939-1941.

During Show and Tell, Marty, K6NS, showed us his latest RDF antenna and Larry, KB6DNR, showed us his skill in making jewelry from coins.

The silent auction, by Stan, W9FQN, again netted the Club a \$ or \$\$, as did the avocados and lemons, which he donated to the Club. The no-cal brownies by Susan and Linda Rohrer were muy tasty as was the coffee by Matt, KA6QFF. A grand time was had by all of us winners.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, with liberty and justice for all.

AT THE MAY MEETING: The Committee voted to authorize Stan, W9FQN, to apply to the County for a building permit to erect our tower; and to spend up to \$650 for the installation of the tower. Bob, KA6HZF, volunteered to send information on PARC meetings to the local papers. He was then appointed as Club Public Information Officer. Bill, N6GSS, volunteered to undertake a review of the Club's Constitution and By-Laws.

A grand time was had by all (we're really on a roll here).

#### PICNIC PIONIQUE PEEKNEEK PIONIQUE PICNIC

Emily, WA6ZKC, reminds us all that we should put Sunday, August 12th, down in our calendars for the Palomar Amateur Radio Club Annual Picnic. Same place as last year except back in Area 1 where the pavillion is. It's a little better location than last year's.

Dinner at 1200, and will be a potluck affair. Those whose last names begin with the letters A-G should bring a main dish (meat or casserole); H-P a salad, vegetable plate, deviled eggs, etc; and Q-Z dessert - enough to feed those who bring it.

The final PARC Scholarship award will be made, and, of course, we'll have all of those great prizes to be awarded. MARK THE DATE!

#### TOWER FUND

The Fund now stands at \$563. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps a bunch. Thanks to the following folks who have contributed to the Tower Fund: WA7AMS, N6CKQ, WD6ENK, N6FMK, KA6GRG, K6HAV, KA6HZF, N6IE, N6INN, WA6IPD, N6KI, WA6LUX, K6MXM, KF6ND, KA6QFF, WA6QQQ, KE6QV, K6ROR, WA6TIJ, W6TZV, KE6XF, and K6YEO. Recent contributors have been N6FMK and N6KI.

After looking at the cost of the specified anchor bolts and what it will do to the Tower Fund, Stan, W9FQN, is looking for donations of #4 (1/2") re-bar. We need at least 12 20' lengths. Any short pieces are also very welcome. If you have some, call Stan at 749-0276 or on W6NWG/R. Stan also would welcome any short lengths of 1/8" or larger steel cable.

#### SOLID STATE 450 MHZ RECEIVER AND TRANSMITTER STRIPS NEEDED

Our Repeater Committee Chairman, John, WB6IQS, is planning on up-dating the repeater control system, and needs solid state 450 mHz rx/tx strips. Contact John on W6NWG/R or call him at 724-8380. Do it!

#### LICENSE EXPIRATIONS

6/84: W6INI. 7/84: W6NBR. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater



to Phil or Joe, WB6HMY.

#### BOOKS AND MAGAZINES

The Club, from time-to-time, receives donated books and magazines to be sold, with the profits going into the club's coffers. At the present, we have 73, CQ, QST, and Ham Radio covering the years from the early 60s to the present. Those who are new to amateur radio might give consideration to buying some of them for their interesting construction projects, including many on antenna construction. These magazines also provide much-needed background information on amateur radio which helps to give historical bits of information to let you better understand what the Big Guys are talking about. Some of these magazines will appear at the Club's silent auctions. Those who would like to buy complete years should contact Stan, W9FQN. Unsold sets are taken to the swap meets.

The club also has a large selection of tubes (ask one of the older hams what they are), including some recent donations from Jim, K6\$LA. If you need some to fix your old radio, contact W9FQN.

#### PRZ SZS

I hope that you appreciate our short business meetings so that we may better enjoy our guest speakers and our Show and Tell portion. We are trying to emphasize the social aspects of the meeting, keeping the day-to-day operation of the Club where it belongs, in the Executive Committee, whose actions are regularly reported to the membership. We feel that the membership must be informed, but the monthly club meetings must emphasize the fraternal and social aspects of the Club.

The Club thanks Calco Computers and Micky Jenkins, WA6WQI, for the very generous donation of more than \$200 worth of computer-related prizes. The Club also thanks Bob Findley, W6NZX, for his donation to the Club of two four-element beams, one for 10M and one for 15M.

Our thanks, also, to Bill Taylor, K6TQ, for the donation of his time and knowledge in putting all of W9FQN's efforts together in a package which did much to facilitate the granting of a building permit for the installation of our 70 foot tower.

de N6GZI

#### FORESAIL

(Don't be mizzen the point.)

Midland 13-505 25W 2M FM xcvr w/15 sets of xtals including many for local repeaters, best offer. Regency BTH-201 2M FM 25W commercial xcvr w/.13-.73 xtals. Make offer. Call Bob, W6NZX, at 758-4701.

Dovetron MPC-1000R RTTY terminal unit, the ultimate. Cost \$1,500, sell \$795 or make offer. Epson MX-80 printer w/RS 232C interface and Graftrax built in, new condx. Cost \$675, sell \$345 or offer. Delta ultra-sonic burglar alarm, \$45. Call Stan, K7BHI, at 728-2668.

VIC-20, Datasette, and eight games. All for \$108, firm. Call Earl, K6MXM, at 743-0860.

Vic-20 w/16K memory expander and assorted games, Datasette, AEA CP-1 interface and software for RTTY/CW/ASCII. All you need is the monitor and the radio for a complete set-up. \$200 for the works. Call Terry, WB6RWP, at 758-87500.

Drake 2B HF rx, Heathkit SB-110 6M SSB xcvr w/spkr pwr supply and mike. Call Bill, K6GJD, at 726-2029.

W6ID must give up hamming due to stroke. Heathkit: 6" oscilloscope, \$15; tube checker, \$10; R.F. sig. gen., \$5; signal tracer, \$3; condenser checker, \$5; SWR meter \$5; antenna impedance meter, \$4. All are pre-solid state. BC 221 frq. meter w/modulation, \$20. Super Pro rx w/speaker and pwr supply, \$25. Also have converted BC 348 and Collins MBF, many meters and relays at your prices. Call Vaughn, W6ID, at 728-1438 0600-2000.

AEA software for CW, RTTY, and ASCII for VIC-20. Cost \$60, sell for \$40 or best offer. Call Terry, WB6RWP, at 758-8750.

Collins S-Line station to a good home. 32S-1, xmtr w/solid state pwr supply and Shure 444 mike, 75S-1 rx. All in mint condx for \$375. Call Larry, KB6DNR, at 726-7398.

Yaesu SP-102, new, \$57. G.E. A1 heavy duty coaxial spkr, \$15. Drake SPR-4 w/orig box, books, \$150. Regency HR-2A w/12 xtals for SoCal repeaters, \$85. Call Will, W2FWV, at 436-3277.

MFJ Model 721 SSB/CW active filter, \$40. Call Dennis, N6KI, at 271-6079.

Collins R-390 general coverage rx, recently aligned, \$99. MFJ 496 keyboard, like new, \$199. Call Bill, N6COU, at 758-7163.

Collins dummy load r/e, cost \$325, \$50. Collins SM-2 mike, xlnnt condx, \$55. Kenwood TS-130-S xcvr, near new w/original box, \$450. Call Allen, N7AMR, at 434-5656.



Vic-20 and MFJ interface and Hamsoft, all for \$150. Call Stan, W6MIO, at 745-7082.

Infotech Model 300 keyboard, new, unused, but I can't type. For ASCII, RTTY, and CW. CW speed 4-125 wpm. 2K RAM, 700 byte running buffer. Cost \$450. Call Jack, W6QP, at 724-3341.

Yaesu TS-720RU 450 MHz 10W FM xcvr w/detachable control head and 3M cable, \$250. Never raced or used in DX contests. Come get this one. Call Gene, K6EJO, at 727-0811.

Kenwood TS-120S w/kpwr supply, 500Hz filter, and mike, \$500. Call Bob, K7WLX, at 729-5519. 11/83

Motorola 120W 136-150.8 MHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes & all documentation. Has GLB synthesizer for tx/rx freq control. An excellent repeater or base station. Help the Club out and Call Pheel, K6ROR, at 724-0098. If the Gint Computer answers you may do better talking to it.

WANTED  
(Chloe!)

Cheep, cheep, cheep 40' crankup tower. Call Stan, W6MIO, at 745-7082.

Xtal controlled 2M RX, can be from HT or other xtal controlled solid state rig. RX must be operable. Information on Scooper 11 VFO VHF FM rx. Call Stan, W9FQN, at 749-0276.

Antique radios, radio and ham magazines, and historical information on radio companies in the '20s and '30s. Call Floyd, W6THU, 213-242-8961 or write to Floyd Paul, 1545 Raymond, Glendale, CA 91201. Note that Floyd does get down this way frequently and is often on the repeater when here.

ICom IC-22A in working condx and/or other xtal controlled solid state rig. Copy of manual/schematic for Atronics code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079. 2/84

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnington (CT 06111), that is and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will leap with alacrity and speed to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 MHz simplex. The Orange County Ham-Computer-Electronics Swap Meet takes place starting at 0700 on the 2nd Sunday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. \$5 for sellers, free for buyers. Talk-in on 147.510 simplex or 147.090 +.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. (See ad in this issue.) Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

EARS T-HUNT SATURDAY, JUNE 9TH AT 9:30 A.M. SHARP

All PARC members are invited to take part in the EARS T-Hunt. Assemble at the east end of Sears' parking lot on E. Valley Parkway. Talk-in on 146.880 -. Entry fee \$2 of which \$1 goes to the winner and the other goes to buy refreshments. Call Dennis, WA6IQY, 743-6323 and let him know you're coming so that refreshments can be ordered.

\*\*\*\*\*

DICK SAUNDERS, W6MUO SILENT KEY

We are saddened to report that Dick Saunders, W6MUO, became a silent key on April 30. Dick never completely recovered from the fall from his tower several years ago. He will be missed by all who knew him.

\*\*\*\*\*

TOWER CLIMBING ASSISTANCE AVAILABLE

If you need assistance on your tower or pole, call Ed, N6GZI, or Larry, KB6DNR. They are professional climbers and they are available for direct assistance or consultation. Don't become a victim of your tower. Get



help. Call Ed or Larry on W6NWG/R or get their phone numbers from one of the control operators on the repeater.

#### NEWS FROM THE FCC

The FCC's enforcement efforts seem to be continuing at a goodly clip as we are still receiving releases on activities in the Southern California area, and an increasing number of citations issued to the bad guys.

A recent news release from the FCC concerning FCC-conducted license exams said: "Due to a limit on the number of persons that can be examined with available FCC resources during the examination week, some applicants may not be scheduled for the requested examinations. Applicants will be treated on a first received, first scheduled basis. Applicants who cannot be scheduled for a particular exam week will receive priority for the next scheduled exam week. Applicants will be notified at least two weeks before each exam week that they cannot be scheduled for a particular exam week."

Exam Weeks remaining in '84 are: Aug 6-10, and Nov 5-9. Application cutoff dates are July 15 and October 15.

Thanks to June Butler of the La Mesa FCC Office for the above info.

#### LATE STUFF FROM THE ARRL LETTER

A test of the Volunteer Examiner program was conducted at the Dayton Hamvention with about 350 people being tested by Volunteer Examiners. This was the first large-scale test session under the new amateur examination procedure. About 600 elements were administered.

#### DOWN THE TOOBE

Felix, N6IE, spent \$0.69 on each of the handouts he prepared for his talk on the last Byrd Antarctic Expedition at the May Club meeting.

Congratulations to Nash, W6HCD, who has been appointed to the Commission of the Californias by Governor Deukmejian. As those of you who heard Nash's presentation on the Flying Samaritans know, he is very active in good works down in Baja.

Congratulations also to Lee, N6KGK, on up-grading to Advanced Class.

Hod, W6UCN, spent some time in Vista, but was under the weather with a cold, as seems to be the case whenever he visits here, so we didn't get a chance to see him.

Gene Holzenberg, K7PQ, (former WB6PFO) came down from Lincoln Cit, OR to visit his old stomping grounds and get some of the moss off of the north side - Gene says that they had 120" of rain there last year. He did get a chance to visit Bob, WA6KZN, and I had a chance to talk to him via the wonders of amateur radio courtesy of WA6KZN and W6NWG/R on 450 MHz.

Ray, WA6LUX, sent a nice note along with an additional Tower Fund Contribution. He says his money is his way of expressing his thanks to all PARC members for making W6NWG/R possible. Thanks, Ray. He also says he sold his FRG-7 to "a good looking female USN Chief Petty Officer . . . ."

The Wallaces, Carl, K6YEO, and Leona, WA6OHB, had an unpleasantly exciting crossing of the Sea of Cortez when Malaga lost backstays and other rigging due to the failure of a cotter pin in high winds and heavy seas. They made it into La Paz, B.C. safely and were in amateur radio communication the whole time of their difficulties.

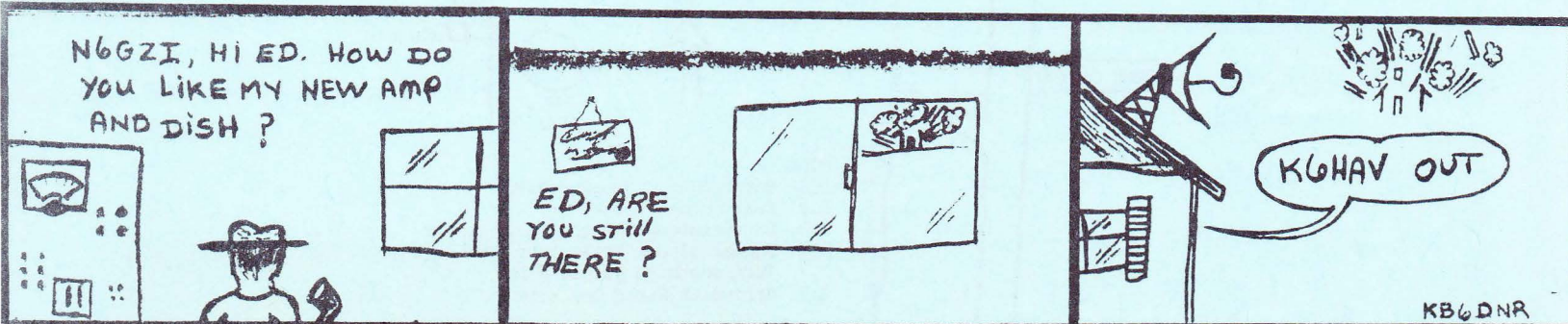
We do appreciate your informing us of your change of address before the Post Office does. When the P.O. does it, the Club is charged 25 cents and you still DO NOT get your SCOPE - it comes back to the Club.

Rumor has it that the Santee Drive-In swap meet has lost its lease and will be no more after the June session.

Allen N7AMR, and Stan, W9FQN, have more than a strange number in their calls. They're both the proud owners of the new Yaesu FT-757GX HF xcvr. Allen says he really likes his, and Stan, as with his KWM-2, is using his for a paperweight.

Ted, N6IES, is enjoying some unsolicited vacation while his broken hand mends.

"That's all", she wrote.





## ARRL FIELD DAY CONTEST - 1984

The PARC will participate in the 1984 Field Day Contest, operating in Class 4a (four transmitters), attempting to operate all permissible bands from 160M to 450 MHz, using the Club's call sign, W6NWG.

DATE/TIME: The contest starts at 1800 UTC (1100 local) on Saturday, 23 June; ending 24 hours later at 1800 UTC Sunday, 24 June. We will commence setting up no earlier than 1800 UTC on Friday, 22 June.

LOCATION: Our 1984 Field Day site will be near that of last year out Circle R Drive 3.2 miles from the Gopher Canyon/Circle R off-ramp from I-15 (see sketch map). The site is the fenced in area of a large Valley Center Water District reservoir, across the road from W9FQN's QTH.

FOOD AND DRINK: Will NOT be a Club responsibility. Provide your own food, drink, utensils, and trash containers.

CHIEF OPERATORS (CHOPS): Are responsible for providing, setting up and manning (people-ing) their stations.

CHIEF OPERATORS ARE:

160M — 75M — 40M KS6S/AD6Z  
20M N6GZI 15M WB6ZJZ 10M W9FQN VHF/UHF K6GJD

POWER: The Club generator and others will be used. A.C. lines from generator to the operating position are the responsibility of the CHOP. The Club will provide oil and gas for any generator in use at the Club FD site. We may also have photo-voltaic panels for generation of electricity for at least five contacts.

RFI: The Club will provide brute force A.C. line filters, and possibly band pass filters for each HF station. Each HF station will operate with a low pass filter (to eliminate RFI to the VHF/UHF station) and an antenna tuner in an attempt to further reduce mutual RFI.

OPERATING PLAN: The 40M, 20M, & VHF/UHF stations will operate around the clock. The 15M station will operate during daylight hours, and the 10M station will alternate with the VHF/UHF station in the daytime. The 75/80M station will operate at night, and the 160M station will operate at night alternating with the VHF/UHF station.

### SUMMARIZED:

DAYTIME	NIGHTTIME
40M	40M
20M	20M
15M	75M
VHF/UHF & 10M ALTERNATING	VHF/UHF & 160M

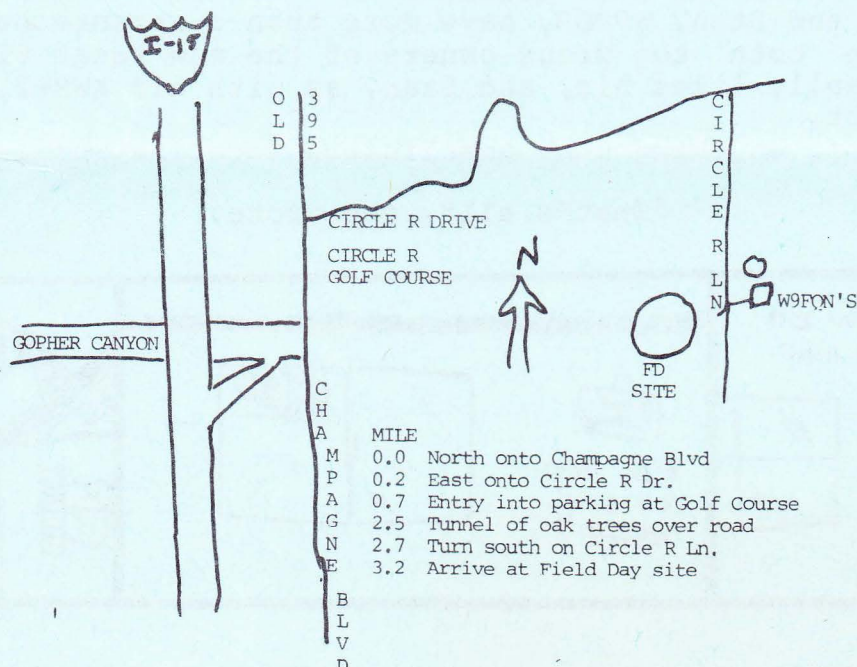
### OTHER INFORMATION:

a. Coordination is required in the operation of alternating stations. (See General Operating Plan, above.) CHOPS concerned will effect the required coordination prior to putting their station on the air.

b. The Club will provide ARRL Dupe Sheets, log sheets, and a copy of the 1984 Field Day Rules for each position.

c. The Club Secretary will provide a sign-in sheet.

d. All logs and dupe sheets will be turned over to the Field Day Chairman not later than July 7.





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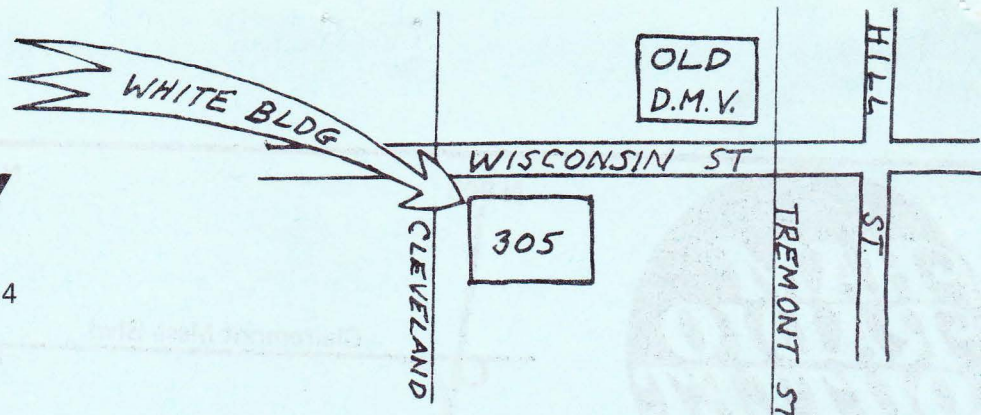




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John Kuivinen  
WB6IQS 07/84  
P.O. Box 1466  
Vista CA 92083





W6NWG  
**Scope**

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JULY, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
SECRETARY: Billy McCord, WB6TBQ, Vista  
TREASURER: John Tentor, W6OLQ, San Diego  
EDITOR: Ralph Crossman, K6HAV, Vista

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first. CHANGES OF ADDRESS, CALL SIGN, ETC. Send to P.O. Box 1603, Vista, CA 92083-0530. IT COSTS THE CLUB 25 CENTS TO FIND OUT THAT YOU HAVE MOVED UNLESS you TAKE THE TIME TO TELL US.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels it only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have).

TWO REPEATERS, utilizing the club call sign W6NWG, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. The 450 MHz machine is occasionally on tone squelch (PL 3A). They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is under way, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE CONTROL OPERATORS FOR W6NWG/R ARE: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

**JULY CLUB MEETING - NEW LOCATION - NEW DAY - PAY ATTENTION, WILLYA!**

The July meeting ONLY will be held in Saint Francis Church on West Vista Way in the old church next to the bowling alley, just east of the Melrose and West Vista Way intersection in Weestful Veesta. This meeting only will be held in this new location and ON THE 11TH OF JULY, since our regular meeting date falls on the 4th. So, for this meeting only the place and date have been changed.

THE PROGRAM for the evening will be a great film on the lunar landings. SHOW AND TELL will feature two portable 2M beams.

Stan, W9FQN, will probably again have avocados available for a donation



to the Club.

The Prize Table will have a Heathkit IM-17 VOM donated by Sam, W6YYV, a digital thermometer kit donated by Calco Computers, a microprocessor Data Book donated by Calco, a water repellent duffle bag, a two-cell flashlight, and a hand-crafted coin necklace donated by Larry, KB6DNR.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those nice low-cal goodies by Susan and Linda Rohrer.

#### JUNE CLUB MEETING

At the June club meeting, Harry Field, W6LKC, gave us another very informative discussion on rolling your own antennas, including more info on the CCDD antenna; how to feed the Delta Loop; and a set of magic formulae for construction, care and feeding of the Gamma Match.

During Show and Tell, John, WB6IQS, told us about repeaters; Paul, KZ6X, showed us a paper-back-size general coverage receiver, and the new Sony Watchman postage stamp TV.

W9FQN's silent auction and avocados added to the Club's coffers as did the berries donated by Larry, KB6DNR. The coffee by Matt, KA6QFF, and the chocolate chimp cookies by Susan and Linda Rohrer were just dandy.

A grand time was had by all, especially those of us who were winners!

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, with malice for Alice.

AT THE JUNE MEETING: The Committee voted to spend up to \$400 for prizes for the Club's annual picnic, and for the prize winners to draw to determine which of the ten or so prizes they have won.

Stan, W9FQN, told the Committee that the reinforcing rod is in the hole for the tower base; and that of the membership packages which Barbara, KA6FPS, is mailing to those who request them, 30% are applying for membership in the PARC. Stan also reported that Riverside Communications had been contacted by mail and is no longer interested in becoming our tenant for various reasons. John, WB6IQS, said that he is working to improve the VOX on the repeater to eliminate much of the delay.

PLEASE NOTE THAT THE JULY EXECUTIVE COMMITTEE MEETING WILL TAKE PLACE ON THE 19TH OF JULY INSTEAD OF THE NORMAL DATE. Usual place and cast of characters.

#### FIELD DAY

Field Day will have taken place by the time this gets to you, but we can't say much about it now since this will go to the printer's just before Field Day. If you didn't come out and operate W6NWG/6, I sure hope you worked us on all bands - we need all of the contacts we can get.

#### PICNIC PIONIQUE PEEKNEEK PIONIQUE PICNIC

The Club's annual picnic will be held on Sunday, August 12th, in San Dieguito Park, about a mile east of I-5 on Lomas Santa Fe Drive in Lomas Santa Fe. This is the same park as last year, but this year we're back in Area 1 where the pavilion is. It's a better location. The Club will spend up to \$400 on prizes for the picnic drawing.

Tickets for the drawing are given for joining or reenlisting in the PARC and for attendance at club events. Tickets may NOT be purchased. The tickets will be handed out at the August club meeting, or will be mailed IF the Club gets a S.A.S.E at the P.O. Box 1603 address. Tickets will also be available for pickup at the picnic, or may be picked up for you by someone with a note. You do not have to be present to win, but your tickets must be put into the hopper by you or your representative - the Club won't do it for you.

Dinner at 1200, and will be a potluck affair. Those whose last names begin with the letters A-G should bring a main dish (meat or casserole); H-P a salad, vegetable plate, deviled eggs, etc; and Q-Z dessert. Non-cooks should stop by the Colonel's or somesuch. The Club will again provide punch, coffee, paper plates, eating hardware and paper cups and napkins. Bring your appetite and enough chow to feed your family and a couple of others.

Emily, WA6ZKC, our Picnic Committee Chairperson again this year, says that we will have Ken, WA6BCC, and his Blue Grass group, like last year. The final PARC Scholarship award will be made, this year to Linda Nguyen of Escondido, and, of course, we'll have all of those great prizes to be handed out. MARK THE DATE!



### TOWER FUND

The Fund now stands at \$695.25. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps a bunch. Thanks to the following folks who have contributed to the Tower Fund: WA7AMS, N6CKQ, WD6ENK, N6FMK, KA6GRG, K6HAV, W6HUJ, KA6HZF, N6IE, N6INN, WA6IPD, WB6IQS, N6KI, WA6LUX, K6MXM, KF6ND, WB6QBO, KA6QFF, WA6QQQ, KE6QV, K6ROR, K6\$LA, WA6TIJ, W6TZV, KZ6X, KE6XF, and K6YEO. Recent donors are W6HUJ, WA6QBO, and K6\$LA.

Material donations to help the Club get the tower up have come from Dennis, N6KI, (wire and hardware); Larry, KB6DNR, (hardware), Bill, K6TQ, (engineering and hardware); and from other sources thanks to the assistance of John, WB6MEI, (reinforcing rod and concrete).

### LICENSE EXPIRATIONS

7/84: W6NBR. No others until 1985. If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.

### BOOKS AND MAGAZINES

The Club, from time to time, receives donated books and magazines to be sold, with the profits going into the club's coffers. At the present, we have 73, CQ, QST, and Ham Radio covering the years from the early 60s to the present. Those who are new to amateur radio might give consideration to buying some of them for their interesting construction projects, including many on antenna construction. These magazines also provide much-needed background information on amateur radio which helps to give historical bits of information to let you better understand what the Big Guys are talking about. Some of these magazines will appear at the Club's silent auctions. Those who would like to buy complete years should contact Stan, W9FQN. Unsold sets are taken to the swap meets.

The club also has a large selection of tubes (ask one of the older hams what they are), including some recent donations from Jim, K6\$LA. If you need some to fix your old radio, contact W9FQN.

### PRZ SZS

Please plan now to attend our annual picnic. This is a great time for renewing old friendships, making new acquaintances, swapping lies, winning prizes, feeding your faces, listening to Blue Grass music, and awarding our final scholarship, etc, etc. Y'all come August 12. CU there.

de N6GZI

### PARC PARTICIPATION IN THE AMATEUR RADIO DISPLAY AT THE DEL MAR FAIR

Thanks to the following club members who manned the Amateur Radio Booth at the Del Mar Fair during the Club's turn for that chore: KB6DEM, KB6DNR, KB6DQR, WD6ENK, WD6FWE, N6GSS (Coordinator), N6GZI, K6HAV, WB6HMY, N6IE, WB6IQS, W6IUG, WB6LEH, W6OLQ, KA0RGQ, and KZ6X. Your support of the Club and of amateur radio is appreciated.

### FORESAIL

(The hull you say!)

Yaesu FRG 7000 Radio West modified w/1.9 Collins SSB filter with switch and 4K ceramic AM filter, in mint condx, \$375. Write Tom Healy, N6DSX, 416 Bonair St., La Jolla, CA 92037.

Midland 13-505 25W 2M FM xcvr w/15 sets of xtals including many for local repeaters, best offer. Regency BTH-201 2M FM 25W commercial xcvr w/.13-.73 xtals. Make offer. Call Bob, W6NZX, at 758-4701.

Dovetron MPC-1000R RTTY terminal unit, the ultimate. Cost \$1,500, sell \$795 or make offer. Epson MX-80 printer w/RS 232C interface and Graftrax built in, new condx. Cost \$675, sell \$345 or offer. Delta ultra-sonic burglar alarm, \$45. Call Stan, K7BHI, at 728-2668.

VIC-20, Datasette, and eight games. All for \$108, firm. Call Earl, K6MXM, at 743-0860.

Drake 2B HF rx, Heathkit SB-110 6M SSB xcvr w/spkr pwr supply and mike. Call Bill, K6GJD, at 726-2029.

W6ID must give up hamming due to stroke. Heathkit: 6" oscilloscope, \$15; tube checker, \$10; R.F. sig. gen., \$5; signal tracer, \$3; condenser checker, \$5; SWR meter \$5; antenna impedance meter, \$4. All are pre-solid state. BC 221 frq. meter w/modulation, \$20. Super Pro rx w/speaker and pwr supply, \$25. Also have converted BC 348 and Collins MBF, many meters and relays at your prices. Call Vaughn, W6ID, at 728-1438 0600-2000.

Collins S-Line station to a good home. 32S-1, xmtr w/solid state pwr supply and Shure 444 mike, 75S-1 rx. All in mint condx for \$375. Call Larry, KB6DNR, at 726-0353.



Swan SWR/watt meter, \$35. Call Will, W2FWV, at 436-3277.  
MFJ Model 721 SSB/CW active filter, \$40. Call Dennis, N6KI, at 271-6079.

Collins dummy load r/e, cost \$325, \$50. Collins SM-2 mike, xltnt condx, \$55. Kenwood TS-130-S xcvr, near new w/original box, \$450. Call Allen, N7AMR, at 434-5656.

AEA model BT1 Code Practice Trainer, \$40. Call Stan, W6MIO, at 745-7082.

Motorola 120W 136-150.8 MHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes & all documentation. Has GLB synthesizer for tx/rx freq control. An excellent repeater or base station. \$250 or best offer. Help the Club out and Call Pheel, K6ROR, at 724-0098. If the Gint Computer answers you may do better talking to it.

#### WANTED

(Chloe!)

Yaesu HM-148 microphone or equivalent. Call Will, W2FWV, at 436-3277.

Schematic for Clegg 12V pwr supply model 011. Will be happy to copy your schematic or pay for a copy. Tnx. Russ, W6HZJ, 619-728-8925 or 3909 Reche Rd., Space 108, Fallbrook, 92028.

40' crankup tower. Call Stan, W6MIO, at 745-7082.

ICom IC-22A in working condx and/or other xtal controlled solid state rig. Copy of manual/schematic for Atronics code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079. 2/84

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnington (CT 06111), that is and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will leap with alacrity and Speed to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 MHz simplex. The Orange County Ham-Computer-Electronics Swap Meet takes place starting at 0700 on the 2nd Sunday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. \$5 for sellers, free for buyers. Talk-in on 147.090 -600.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. (See ad in this issue.) Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

#### FREE U.S. QSL SERVICE

The US QSL SERVICE is free. Send your QSLs to USA Hams via USQS/KM7Z, PO Box 814, Mulino, OR 97042. Send SASE for return QSLs and info.

#### SANDARC IS NOT A SAN DIEGO REPEATER ORGANIZATION

SANDARC is the San Diego Amateur Radio Council, an organization of the participating amateur radio clubs of San Diego County. The PARC and other clubs make up the Council - individual amateurs are NOT members.

#### THE WORLDWIDE 20M BEACON NETWORK

A worldwide beacon network, is in operation on 14.100 MHz. By its use propagation to nearly any part of the world can be checked in just ten minutes. And since four different power levels are used during each transmission, you can determine just how good conditions are and whether or not it's worth a serious attempt with your low-power gear.

Each beacon begins its 1-minute slot with the 20-wpm cw message "QST DE (call) BEACON". It then transmits four 9-second dashes in a power stepping sequence starting at 100W and dropping to 100 mW in 10-db steps for each succeeding dash. (To help identify which level is being sent, the first dash is preceeded by a "dit" indicating "first step", the second dash by "ditdit" and so on. Finally, the 1-minute slot ends with a full-power Morse "SK (call)".



The beacons are intended to operate 24-hours per day, so if you don't hear a beacon, there is probably no propagation. The slot schedule, calls, and locations follow:

Minute of  
10-minute  
cycle

	<u>Call</u>	<u>Location</u>
0	4UIUN/B	United Nations, New York City
1	W6WX/B	Stanford University, CA
2	KH6O/B	Honolulu Community College, HI
3	JA2IGY	JARL, Mt. Asama, Japan
4	4X6TU	Tel Aviv University, Israel
5	OH2B	Helsinki Tech. Univ., Finland
6	CT3B	ARRM, Madeira Islands
7	ZS6DN/B	Transvaal, South Africa

8 & 9 are not yet operational

The beacon network was organized and financed by the Northern California DX Foundation. Further information can be found on page 27, June 1983 QST.

Thanks to "W6VIO Calling", the JPL ARC newsletter, Merv MacMedan, N6NO, the author, and to Nash, W6HCD, for passing along the newsletter and pointing out the article.

#### VOLUNTEER EXAMINERS URGENTLY NEEDED

The Volunteer Examiner Program is off and running (see The ARRL Letter item later in this letter). Prospective Volunteer Examiners (PVEs) are urgently needed. PVEs must hold an Advanced or Extra Class license. If you qualify and can help, please contact Marty, K6NS, at 758-0782 or at any club function and volunteer your services. Marty will get you on the path to becoming a PVE and hopefully a VE. If you're an Advanced or Extra Class licensee, call Marty now.

#### FROM THE ARRL LETTER

The FCC has accepted SANDARC's proposal to become a Volunteer Examiner Coordinator in the 6th Region. As soon as the FCC adopts Volunteer Examination Cost Recoupment rules (expected to happen in mid-July), the ARRL will sign an agreement with FCC for the ARRL to become a VEC in all 13 districts. If there are no significant delays, ARRL will be coordinating exams given at conventions and ham fests beginning on Labor-Day weekend and all examinations starting Nov. 1.

Amateur Radio Station NG840 will operate at the UCLA Olympic Village during the 1984 Summer Olympics. The station's primary purpose is to send messages home for Olympic participants from countries which permit 3rd party traffic with the U.S. Zimbabwe (Z2) and Hong Kong (VS6) have established temporary 3rd party agreements with the U.S. July 1-Aug. 31. When time permits, commemorative contacts will be given to all callers. Do not call during traffic handling periods.

#### TOWER CLIMBING ASSISTANCE AVAILABLE

If you need assistance on your tower or pole, call Ed, N6GZI, or Larry, KB6DNR. They are professional climbers and they are available for direct assistance or consultation. Don't become a victim of your tower. Get help. Call Ed or Larry on W6NWG/R or get their phone numbers from one of the control operators on the repeater.

#### TAHITIAN DX-PEDITION BY W6AM AND OTHERS

Don Wallace, W6AM, is kind enough to tell us that five hams and their ladies will leave for Tahiti July 11 and return July 2. 80-10M on the usual SSB and CW frequencies and RTTY from W6GC/FO0ILE and W6MI equipment. Possible OSCAR 10. Other Ops are K6KH, N6XQ, and W6AM. Thanks, Don.

#### TWO METER REPEATER NOW VOICE OPERATED RATHER THAN CARRIER OPERATED

Our Repeater Committee Chairman, John, WB6IQS, has modified the 2M machine with a VOX circuit. Further improvements been made to reduce, what was initially too long a start-up delay, causing clipping of the first word or syllable. John has made two trips to the mountain in this effort. The drop-out time has been readjusted to four seconds from two seconds.

The on-site repeater engineer was found a silent key on June 3. He died after several months of duty keeping the repeater warm on the long winter nights. Name: unknown. Survivors: likewise. He was about 5" long, weighed several ounces, had long whiskers and a great appetite for paper towels and the outer insulation of coax. R.I.P.

#### SICK CALL

Jim, W6HUJ, has been in the hospital for a heart catheterization.

John, WD6AOL, has been in the hospital to have the barnacles scraped off



or some such. He's back home and in operation again now.

Lou Cartwright, K6SQ, a former old-time PARC member is reportedly in the hospital in El Cajon, reason unknown. Lou found our first site for W6NWG/R.

Jim, W6IPP, was back in the VA hospital in La Jolla while they got him up and running again, but he's back home now and in good spirits.

Alan, N7AMR, who has had a broken wrist that refused to knit, reports that it's on the mend at last.

#### REENLIST NOW!

All PARC memberships expire on 31 July, so make a mad rush for your checkbook and reenlist now rather than snow John, W6OLQ, under at the last minute with all of the reenlistments. Do it now and make John happy.

#### DOWN THE TOOBE

According to The ARRL Letter, the last call signs issued in the 6th Region as of 6/1/84 are: WA6L, KG6HU, N6KMU, and KB6FPW. If you hear N6PVR or some such call, you'll know you've got a bootlegger.

Welcome to Stan, K7BHI, who has moved into the Bonsall area, and already has a 60' tower up.

Ray, WA6LUX, sends along the info that the Santee Flea Market lease is good until September, 1984, so the previous rumor was just that, rumor.

It's good to hear Jack, W6SMP, up on the repeater. He is summering in Rancho Bernardo.

Alan Cassel, N0AL, is off to Georgia and doubts that he'll be able to hit the repeater from Marietta, but still wants to get SCOPE, but then who doesn't. We'll send it to you, Al, and good luck in the contest.

Good to hear Bob, NC6J, up on the 450 MHz repeater. That makes five or six of us.

Doc, K6RY, says that a neo-conservative is a liberal with two teen-age daughters.

We sure do appreciate all of the work that Stan, W9FQN, has done to prepare for putting our donated tower up on Mount Palomar - and he's done a batch.

Mickey, WA6WQI, of Calco Computers has been very kind to the Club with the donation of lots of goodies for the prize table.

Those of us who helped man the SANDARC Amateur Radio booth at the Del Mar Fair certainly appreciate the fine station provided by Glenn and Tom at Ham Radio Outlet. The nice equipment and the good antennae made operating a pleasure this year. Wouldn't it be great if some of the volunteers manning the booth had some traffic-handling background??? Wouldn't it be great if all hams used the ICAO phonetic alphabet???

Wonder where all the folks were on Field Day who are so concerned about the Club being a "repeater club"? Maybe they'll come out for the picnic.

Sure nice to see Bill Taylor, K6TQ, back as a club member. Bill's one of Vista's old time hams and an Elmer to a whole flock of folks. Presently, Bill is hooked on working through the satellites.

"That's all", she wrote.

#### the neighborhood Jerry Van Amerongen



Shawn decided to stay with  
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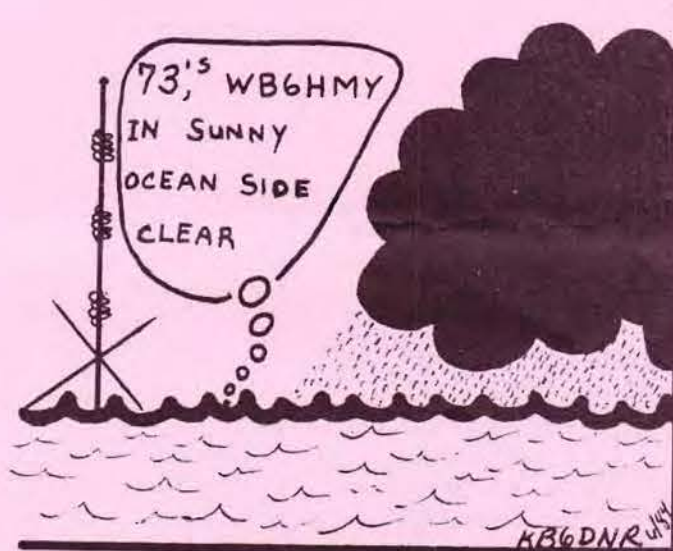
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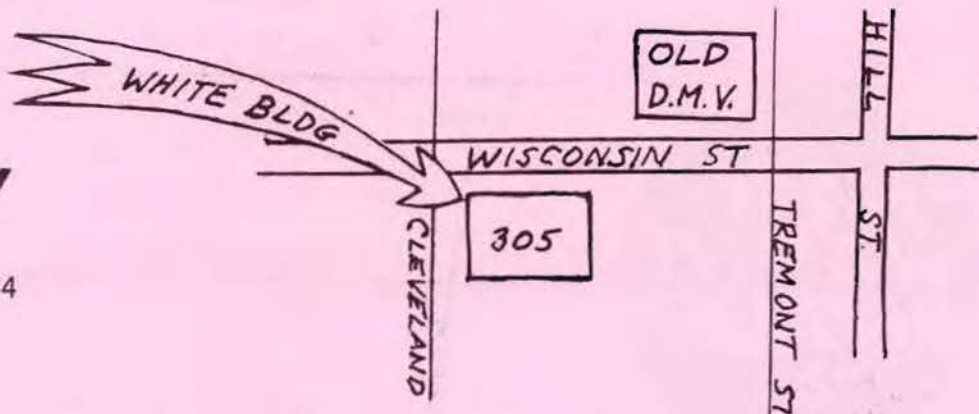




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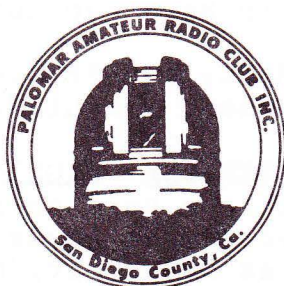
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NORTHERN SAN DIEGO COUNTY

W6NWG  
**Scope**



THE PALOMAR AMATEUR RADIO CLUB, INC.  
POST OFFICE BOX 1603  
VISTA, CALIFORNIA 92083-0530

VOL. XXIV, NO., 8

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AUGUST, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
SECRETARY: Billy McCord, WB6TBQ, Vista  
TREASURER: John Tentor, W6OLQ, San Diego  
EDITOR: Ralph Crossman, K6HAV, Vista

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first. CHANGES OF ADDRESS, CALL SIGN, ETC. Send to P.O. Box 1603, Vista, CA 92083-0530. IT COSTS THE CLUB 25 CENTS TO FIND OUT THAT YOU HAVE MOVED UNLESS you TAKE THE TIME TO TELL US.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels it only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have).

TWO REPEATERS, utilizing the club call sign W6NWG, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. The 450 MHz machine is occasionally on tone squelch (PL 3A). They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is under way, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE CONTROL OPERATORS FOR W6NWG/R ARE: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

AUGUST CLUB MEETING - BACK AT THE SAME OLD PLACE AND SAME OLD DAY

The August meeting will be held on the 1st of August at Glendale Federal Savings and Loan, just like always; and will feature Mr. Jim Hunt of San Diego Gas and Electric Company, who will tell us about the Company's disaster preparedness and emergency plans.

PICNIC PRIZE DRAWING TICKETS will be handed out at the August meeting and at the picnic.

SHOW AND TELL will feature a portable 2M and 6M antenna.

SILENT AUCTION will have a Standard 2M FM rig donated by K6\$LA plus the usual hard-to-find items we come up with at each meeting. Many thanks to



Bob, K7WLX, for his donations of some transceivers, antenna rotator, and drill press.

Stan, W9FQN, will probably again have avocados available for a donation to the Club.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those nice low-cal goodies by Susan and Linda Rohrer.

#### PICNIC PIGNICK PEEKNEEK PIGNICK PICNIC

The Club's annual picnic will be held on Sunday, August 12th, in San Dieguito Park, about a mile east of I-5 on Lomas Santa Fe Drive in Lomas Santa Fe. This is the same park as last year, but this year we're back in Area 1 where the pavilion is. It's a better location. The Club will spend up to \$400 on prizes for the picnic drawing. Prizes will include an IC-2A HT, keyer, balun, low-pass filter, clock, coax switch, Call Books, etc.

Tickets for the drawing are given for joining or reenlisting in the PARC and for attendance at club events. Tickets may NOT be purchased. The tickets will be handed out at the August club meeting, or will be mailed IF the Club gets a S.A.S.E at the P.O. Box 1603 address. Tickets will also be available for pickup at the picnic, or may be picked up for you by someone with a note. You do not have to be present to win, but your tickets must be put into the hopper by you or your representative - the Club won't do it for you.

Dinner at 1200, and will be a potluck affair. Those whose last names begin with the letters A-G should bring a main dish (meat or casserole); H-P a salad, vegetable plate, deviled eggs, etc; and Q-Z dessert. Non-cooks should stop by the Colonel's or somesuch. The Club will again provide punch, coffee, paper plates, eating hardware and paper cups and napkins. Bring your appetite and enough chow to feed your family and a couple of others.

Emily, WA6ZKC, our Picnic Committee Chairperson again this year, says that we will have Ken, WA6BCC, and his Blue Grass group, like last year. The final PARC Scholarship award will be made, this year to Linda Nguyen of Escondido, and, of course, we'll have all of those great prizes to be handed out after lunch. MARK THE DATE! SUNDAY, AUGUST 12.

#### JULY CLUB MEETING

At the July club meeting, we had two very interesting movies. The first one was on the lunar landings, and the second was New Frontiers in Amateur Radio or some such title, and was produced and directed by Roy Neal, K6DUE and featured Owen Garriott, W5LFL, and his historic QSOs with ground stations from the shuttle. Thanks to Paul, KZ6X, for bringing in the VTR and beeg, beeg screen TV so we could see the the W5LFL tape. Fried Heyn, WA6WZO, the ARRL Southwestern Division Director attended the meeting and addressed the membership.

W9FQN's avocados added to the Club's coffers. Tasties by Susan and Linda Rohrer were just dandy.

A grand time was had by all, especially by us winners.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, with malice for Alice.

AT THE JULY MEETING: The Committee voted to discontinue negotiations with Quigley Communications on use of the repeater site; send \$50 to the San Ysidro Survivors Fund. The cost of publishing the Scope was discussed, and it was decided that the advertising now appearing in the newsletter more than offsets increased costs of publication (it presently costs \$3.60 per year per subscription to print, label, and mail a four-page newsletter). The problem of increasing interference on W6NWG/R was discussed. W9FQN reported that the concrete base for the tower could be poured by the end of July.

#### FIELD DAY

It rained on our Field Day! First time in my experience on Field Days in Sunny Southern California. Wasn't much, but it did sprinkle. We had a ball in spite of it and worked 2,242 contacts operating four transmitters. We had lots of good help in setting up and tearing down our stations as well as operating, both during the daytime and the wee, small hours. Some of the folks who signed in were: KB6AI, K7BHI, KF6BL, WA4BOZ, KB6DNR, KB6FFW, KA6FPS, W9FQN, WD6FWE, K6GJD, N6GSS, N6GZI, K6HAV, WB6HMY, KA6HZF, N6IE, N6IES, N6INN, N6KGK, WA6KZN, W6LKC, KB5MU, WB6RWP, KF6S, WB6TBQ, KZ6X, AD6Z, WA6ZKC, WA6ZKD, and Ruth McCord.

We had lots of generators, including that low-speed beauty the Club



received from Pacific Telephone (thanks to N6GZI). We also used a solar panel (loaned to us by KF6ND) with a deep-cycle battery to power all of our daylight QSOs on Saturday on 80M. 15M operated on a four-element beam (donated to the Club by W6NZX); and 80M on a CCD dipole (loaned to us by W6LKC). All of the generators worked nicely until the 80M generator quit on Sunday morning. Fortunately KA6HZF was on hand and took the carburetor apart and cleaned it on the spot. We didn't have to stop operating while he did as the battery had plenty of juice to run the IC-751. Your editor is really sold on solar power and batteries after this Field Day.

We tried 160M but found no activity, and we didn't get our 220 MHz or 450 MHz stations into operation, but wait 'til next year! We did operate 80M ssb and cw, 40M ssb and cw, 20M ssb, 15M ssb, and 6M and 2M ssb. This year's contest was notable for the lack of mutual interference - less than I've ever seen. We had a great time, but wait 'til next year! We'll do even better - and do more operating on cw.

#### NEW TOWER FOR THE MOUNTAIN TOP

The Tower Fund has topped \$1,000! If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit does help. Thanks to the following folks who have contributed to the Tower Fund: WA7AMS, N6CKQ, KA6DWU, WD6ENK, N6FMK, KA6GRG, K6HAV, K6HE, W6HUJ, KA6HZF, N6IE, N6INN, WA6IPD, WB6IQS, N6KI, WA6LUX, K6MXM, KF6ND, W6OKG, WB6QBO, KA6QFF, WA6QQQ, KE6QV, K6ROR, K6\$LA, KB7TD, W6TFB, WA6TIJ, W6TZV, KZ6X, KE6XF, and K6YEO. Recent donors are K6HE, KA6DWU, KB7TD, W6OKG, and W6TFB.

Material donations to help the Club get the tower up have come from Dennis, N6KI (wire and hardware); Larry, KB6DNR (hardware), Bill, K6TQ (engineering and hardware); and from other sources thanks to the assistance of John, WB6MEI (reinforcing rod, concrete, and lumber).

On July 9 & 10 the new tower got a wire brushing and sanding to remove oxidized paint; and a new paint job to replace the orange and white that it came decked in (the galvanizing is in great shape and no rust evident - the paint job is for cosmetic purposes). We had some good help and got the job done in spite of the 100+ degree heat. On the 10th, approximately 1/3 of the tower was painted (with N6GSS at the controls of the spray gun). We used WB6HMY's generator and K6HAV's compressor. Braving the heat and sun were K7BHI, K6BPT, K6GJD, N6GSS, K6HAV, WB6HMY, and WA6KZN. W9FQN, who had, by himself, unloaded nearly a ton of tower from the trailer in the same kind of heat the day before, provided moral support. We may complete the new paint job by the time this hits the street. The tower will stay at W9FQN's until it's time to put it on its new base on the mountain.

The base is ready for the required building inspection prior to pouring the concrete. The concrete could be in by the time of the next club meeting.

#### FORESAIL

(The hull you say!)

Motorola 120W 136-150.8 MHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes & all documentation. Has GLB synthesizer for tx/rx freq control. An excellent repeater or base station. \$250 or best offer. Help the Club out and Call Pheel, K6ROR, at 724-0098. If the Gint Computer answers you may do better talking to it.

CP-1/VIC20-3 AEA software w/cable and instruction book, \$25. Call Earl, K6MXM, at 743-0860.

Trade: Shugart 8" disk drive model 900-1, for 2M mobile xcvr, KDK 2030 or equivalent. Call Ted, K6RF, at 439-8562.

All 2M FM: TR-2500 HT, Azden 3000, and Conar xcvr, all as a package for \$350. All are synthesized and all need work. Call Brian, KF6BL, 433-4293.

Yaesu FRG 7000 Radio West modified w/1.9 Collins SSB filter with switch and 4K ceramic AM filter, in mint condx, \$375. Write Tom Healy, N6DSX, 416 Bonair St., La Jolla, CA 92037.

Midland 13-505 25W 2M FM xcvr w/15 sets of xtals including many for local repeaters, best offer. Regency BTH-201 2M FM 25W commercial xcvr w/.13-.73 xtals. Make offer. Call Bob, W6NZX, at 758-4701.

Dovetron MPC-1000R RTTY terminal unit, the ultimate. Cost \$1,500, sell \$795 or make offer. Epson MX-80 printer w/RS 232C interface and Graftrax built in, new condx. Cost \$675, sell \$345 or offer. Delta ultra-sonic burglar alarm, \$45. Call Stan, K7BHI, at 728-2668.

Drake 2B HF rx, Heathkit SB-110 6M SSB xcvr w/spkr pwr supply and mike. Call Bill, K6GJD, at 726-2029.

Collins S-Line station to a good home. 32S-1, xmtr w/solid state pwr



supply and Shure 444 mike, 75S-1 rx. All in mint condx for \$375. Call Larry, KB6DNR, at 726-0353.

Swan SWR/watt meter, \$35. Call Will, W2FWV, at 436-3277.

MFJ Model 721 SSB/CW active filter, \$40. Call Dennis, N6KI, at 271-6079.

Collins dummy load r/e, cost \$325, \$50. Collins SM-2 mike, xlnr condx, \$55. Kenwood TS-130-S xcvr, near new w/original box, \$450. Call Allen, N7AMR, at 434-5656.

AEA model BT1 Code Practice Trainer, \$40. Call Stan, W6MIO, at 745-7082.

#### WANTED

(Chloe!)

Yaesu HM-148 microphone or equivalent. Call Will, W2FWV, at 436-3277.

40' crankup tower. Call Stan, W6MIO, at 745-7082.

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnington (CT 06111), that is and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Yohn will yump for yoy - all the way to the bank.

ELECTRONICALLY ORIENTED FLEA MARKS are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 MHz simplex. The Orange County Ham-Computer-Electronics Swap Meet takes place starting at 0700 on the 2nd Sunday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. \$5 for sellers, free for buyers. Talk-in on 147.090 -600.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. (See ad in this issue.) Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

#### PREZ SEZS

If you haven't renewed your membership in PARC please do so soon. If you know someone (especially in north county) who is a ham and not in our club, PLEASE, invite them.

de N6GZI

#### VOLUNTEER EXAMINERS URGENTLY NEEDED

The Volunteer Examiner Program is off and running. Prospective Volunteer Examiners (PVEs) are urgently needed. PVEs must hold an Advanced or Extra Class license.

If you qualify and can help, please contact Marty, K6NS, at 758-0782 or at any club function and volunteer your services. Marty will get you on the path to becoming a PVE and hopefully a VE. If you're an Advanced or Extra Class licensee, call Marty now. LET'S GET WITH IT!

Ed, N6GZI, has gotten the use of Glendale Federal Savings in Vista for use on Saturdays for the administration of Amateur Radio licensing exams, so it appears that exams given in north county will be given there.

#### FROM THE ARRL LETTER

NG840 will represent Amateur Radio at the Olympics. It will be located at the Olympic Village at UCLA. Its primary purpose is to send messages home for Olympic participants from countries permitting third party traffic with the U.S. Much of the traffic will be destined for the U.S. and Canada. The NTS will be used for these messages.

NG840 will start operation on July 14 and continue for one month. The station will operate 80M-10M 5 kHz CW & SSB inside the U.S. band and frequent operations 5 kHz inside the General and Novice Class bands; and 2M FM on 146.52 simplex. Most traffic will pass from NG840 to local relay stations for introduction into the NTS and international traffic networks. To speed message handling, abbreviated texts passed out at the July club meeting will be used. Instead of "ARL FIFTY ONE", "GAMES ONE", etc. will be used. Incoming traffic to NG840 is discouraged due to the difficulty of locating the addressees.



QSLs for NG840 will be handled by the ARRL Sixth District QSL Bureau, P.O. Box 1460, Sun Valley, CA 91352.

#### LATEST INFO FROM THE FCC

FCC will discontinue the conduct of Amateur Radio examinations at Field Offices effective January 1, 1985. The remainder of the 1984 examination schedule will be completed.

An Advance Class amateur in the San Diego area who was recently charged with malicious interference to a repeater has had his station license cancelled and his operator's license suspended.

The FCC's Field Operating Bureau (FOB) and the ARRL have agreed to develop and implement an amateur Auxiliary to the FOB. The FOB in cooperation with the ARRL is preparing to organize a cadre of volunteers trained to independently handle many of the amateur radio related requests for assistance received by field facilities. The volunteers will devise and implement means to foster wider knowledge of the rules, conduct maintenance monitoring of amateur frequencies, find solutions to problems arising from operation of these stations, and undertake other specific projects as the need arises. This program is expected to begin in September, 1984. More information will come via the media which serves amateur radio.

Thanks to June Butler of the San Diego Field Office for the foregoing.

#### SOUTHERN CALIFORNIA ANTIQUE RADIO SOCIETY SWAPMEET

THE SCARS Quarterly Swapmeet will take place at the Elks Lodge south of Avenida Pico at 1500 N. El Camino Real in San Clemente from 0800 to 1100 on Sunday, August 19. Visitors are welcome.

#### SICK CALL

Dora, KF6TF, has been in the hospital for some surgery, but at this writing, is back home and on the air.

Paul, WD6BRX, is recovering from a broken ankle.

#### REENLIST NOW!

All PARC memberships EXPIRED on 31 July, so if you're not reading this it's because you're no longer on our mailing list. If you get there first, leave a mark, and if I get there first I'll erase it. Check your mailing label and see if you're on our mailing list or some other list.

Please talk to your friends and see if they are still on our mailing list. DO IT NOW! We need more members, so let's help out by reminding folks.

#### DOWN THE TOOBE

Welcome to new PARC member Bert Chase, W6IPQ, of Chula Vista, who says: "Would you please consider me for membership in your club? Because of distance I may not be able to attend meetings but do wish to support your efforts." We appreciate everyone who helps support the PARC, and perhaps more so those who, even though unable because of distance, etc. to attend club meetings, DO lend their support by joining. You don't have to attend meetings to support the Club. Bert says it all in his short note.

Leona, WA6OHB, says that she and OM Carl, K6YEO, are studying to take their Extra Class exams in August, and if their studies are going well enough, will try to make the August club meeting.

Ray, WA6LUX, sends along his membership renewal, a nice check for the Tower Fund (his third), and a note saying that he's almost as good as new with two new hearing aids and contact lenses. Now, if ICom will just come through with the new IC-27A that he's ordered he'll be able to hear and see what's happening and tell the world about it on his new rig. Wayta go, Ray!

Vendy and Genevieve Johnson send along their 73s and say that the sun's been out for a week now in downtown Sweethome, OR.

Sandy, K6HE, says he likes the renewal notice on the mailing label. He also sent along a nice check for the tower fund.

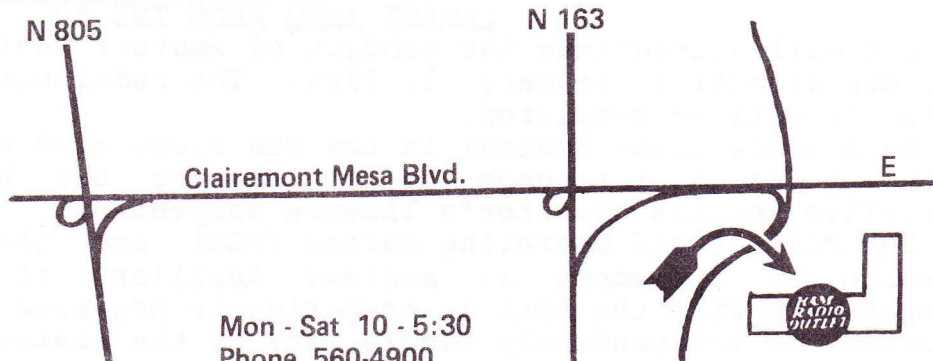
Doc, KA6DWU, says that he up-graded to Advanced Class back in late January. We appreciate the renewal Doc, but let's have the good news a little sooner next time.

Alan, N0AL, who has moved to downtown Marietta, (GA 30067 - that is) sends along his membership renewal in case he might get back this way some day. Thanks, Al.

K6ROR tells us that Verl Thornesberry, WB6EOT, is busy with his livestock in Arkansas - but not too busy to send along his money for reenlistment. Keep 'em frying, Verl. The chickens, that is.

"That's all", she wrote.





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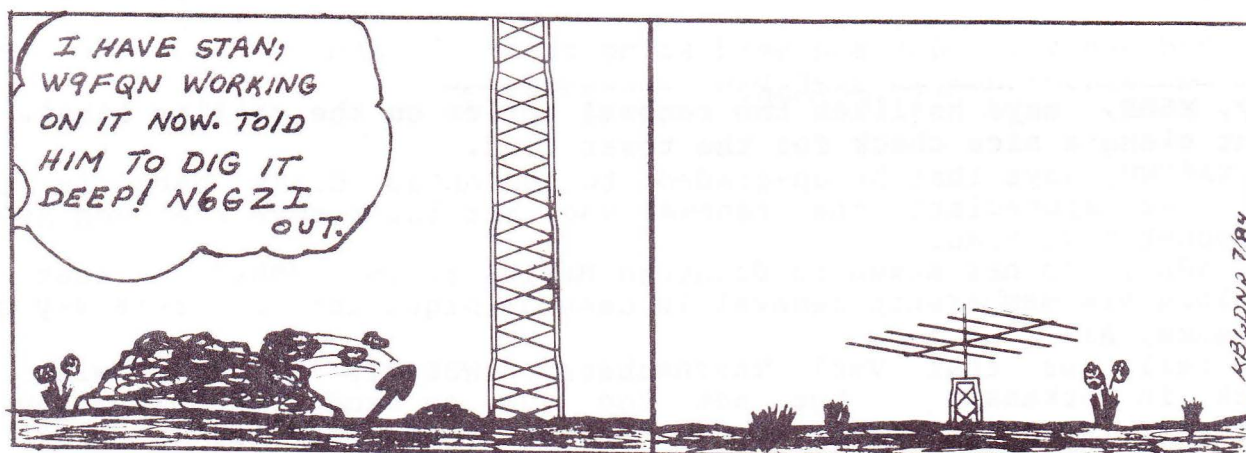
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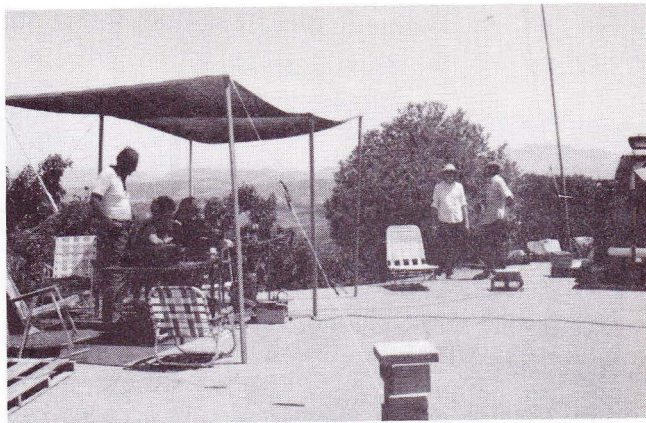
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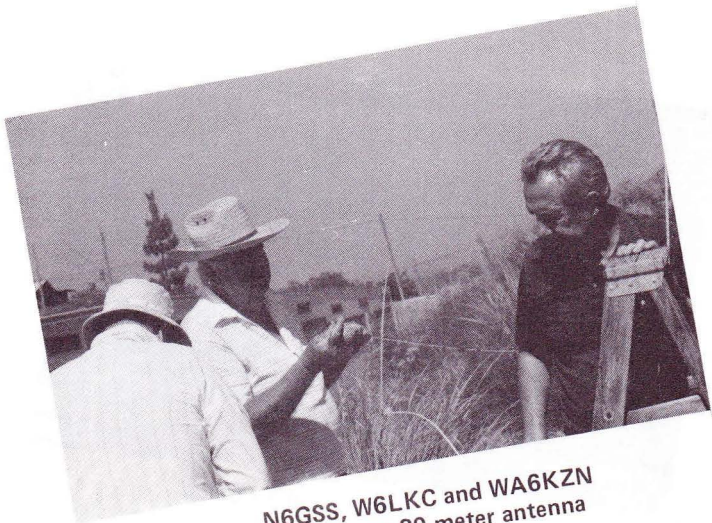
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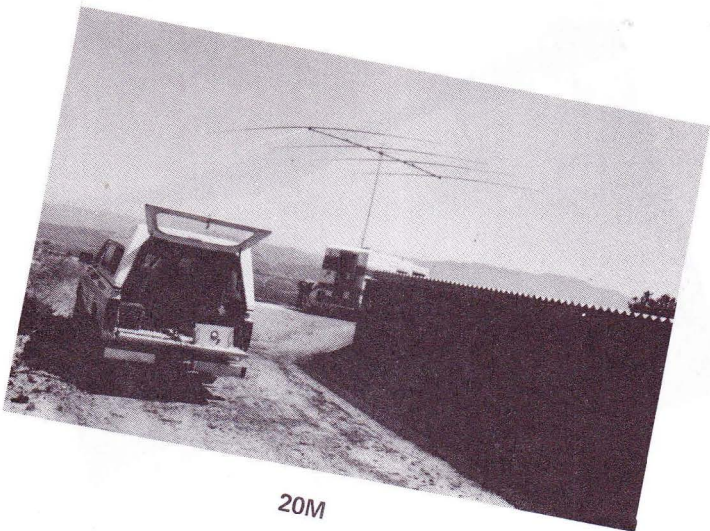
40M



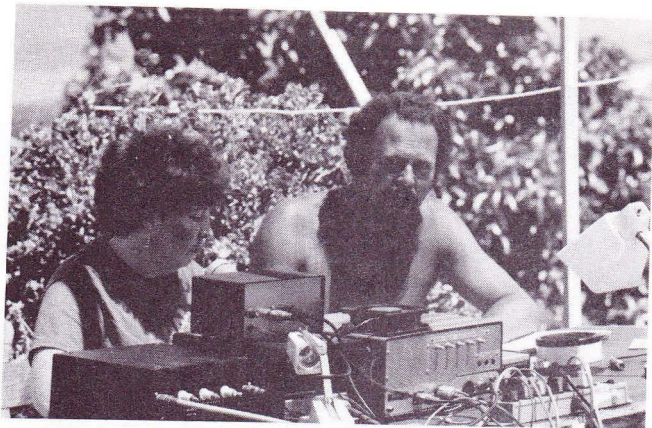
N6GSS, W6LKC and WA6KZN  
putting up 80 meter antenna



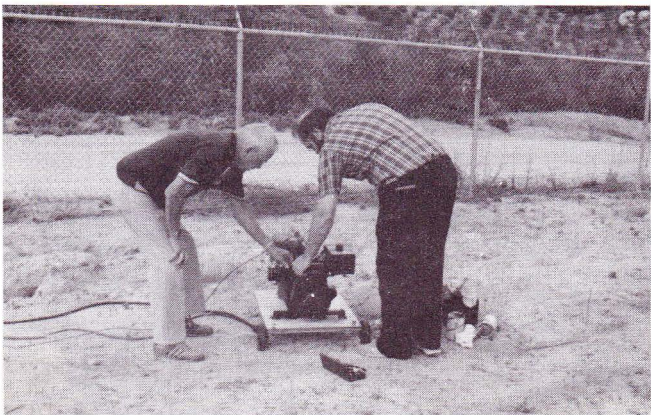
The fence keeps hams in



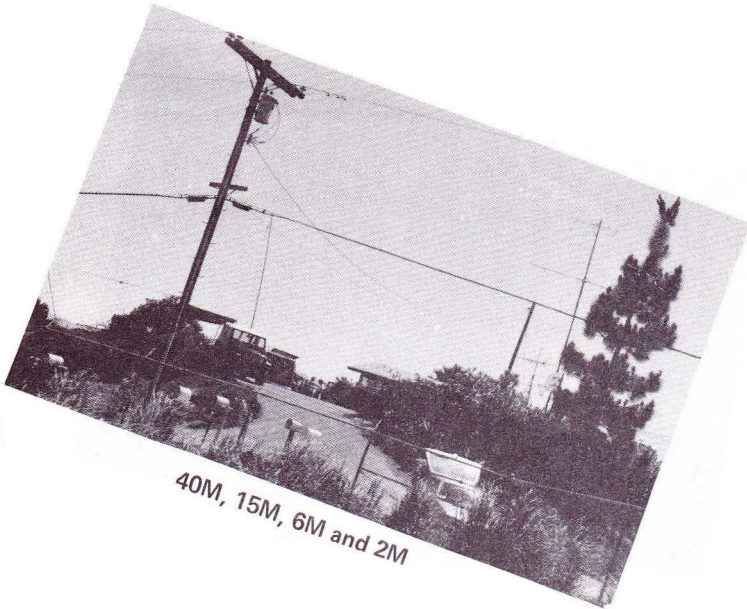
20M



Emily - WA6ZKC, Stan - WA6ZKD - 40M



Ralph - K6HAV, and Bob - KA6HZF  
"why not just plug it in 110"



40M, 15M, 6M and 2M



# FIELD DAY - '84



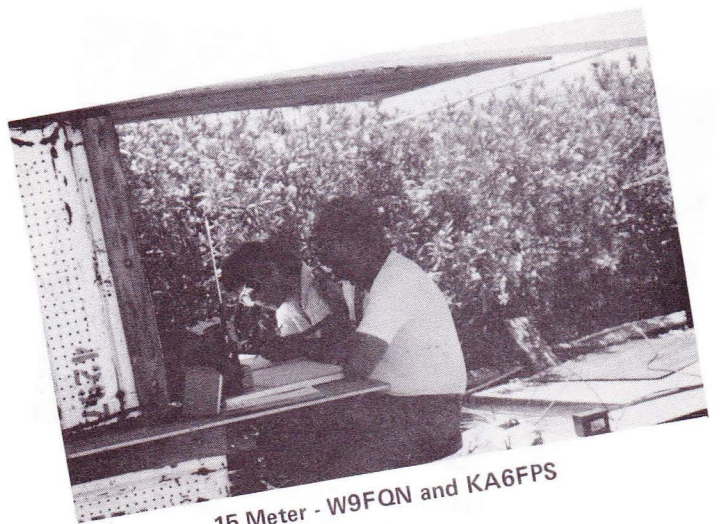
and Ralph said "I'm goen' that way"



Bob Hoover - KA6HZF and reluctant generator



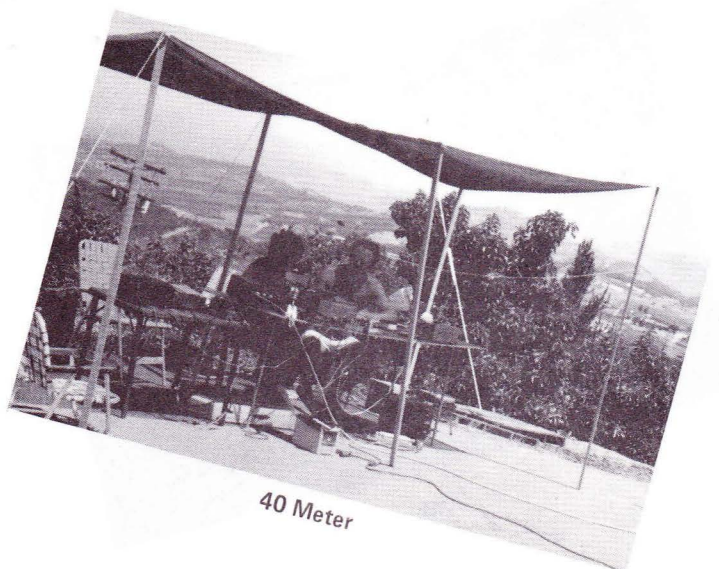
N6IE and WB6HMY on solar power



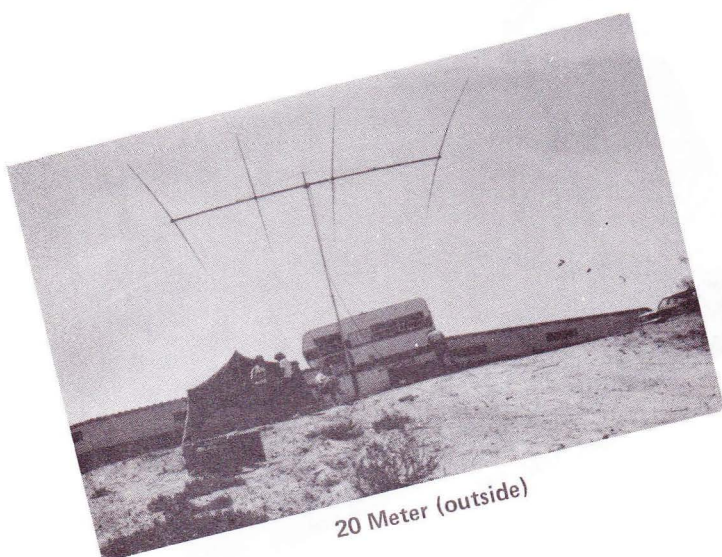
15 Meter - W9FQN and KA6FPS



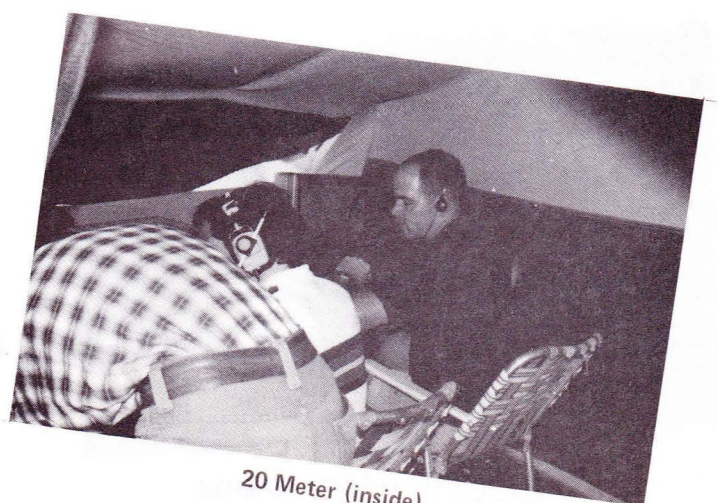
80 Meter - N6INN



40 Meter



20 Meter (outside)



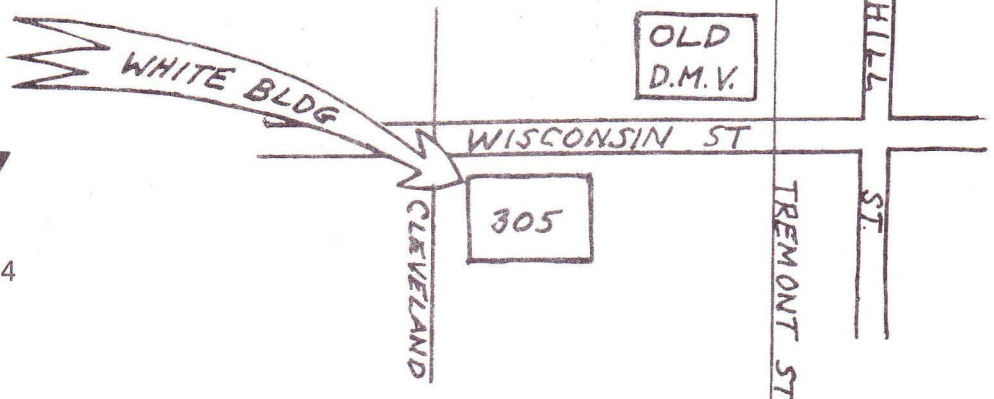
20 Meter (inside)



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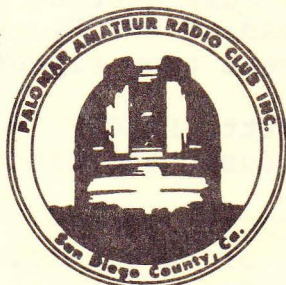


NORTHERN SAN DIEGO COUNTY

W6NWX

# Scope

VOL. XIV, NO. 9



THE PALOMAR AMATEUR RADIO CLUB, INC.

POST OFFICE BOX 1603  
VISTA, CALIFORNIA 92083-0530

1936 - 1984

SEPTEMBER, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
SECRETARY: Billy McCord, WB6TBQ, Vista  
TREASURER: John Tentor, W6OLQ, San Diego  
EDITOR: Ralph Crossman, K6HAV, Vista

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first. CHANGES OF ADDRESS, CALL SIGN, ETC. Send to P.O. Box 1603, Vista, CA 92083-0530. IT COSTS THE CLUB 25 CENTS TO FIND OUT THAT YOU HAVE MOVED UNLESS you TAKE THE TIME TO TELL US.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance. Visitors welcome.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels it only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have).

TWO REPEATERS, utilizing the club call sign W6NWX, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. The 450 MHz machine is occasionally on tone squelch (PL 3A). They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is under way, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE CONTROL OPERATORS FOR W6NWX/R ARE: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWX/R at 2000 local to pass formal written traffic. Visitors welcome.

## SEPTEMBER CLUB MEETING

The September meeting will feature Nash Williams, W6HCD, who will tell us about Solar Power For Residential Use. Nash has already given us a very interesting program on the Flying Samaritans. He's an excellent speaker who knows his subject.

SHOW AND TELL will feature a squelch that will work on any receiver.

SILENT AUCTION will have a drill press holder for a hand drill, a mobile mount H-210 for HF antennas, Siltronix FS-09 field strength meter, EICO RTMA resistance box, Swan 14A convertor, a reading lamp, and the usual hard-to-find items and magazines.



AT FUTURE AUCTIONS there will be 2M xcvrs, antenna rotator, SWR bridge, scanner, Heath QRP rig, Heath GDO, VOMs, antenna mounts, low voltage power supplies, variacs, a Swan WM-1500 SWR-Wattmeter, etc.

W9FQN says that avocados at the July meeting should have been credited to a different Stan, K7BHI, instead of W9FQN. He also says he will not be bringing more avocados until his next crop ripens in late November. Thanks to both Stans.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those nice low-cal goodies by Susan and Linda Rohrer.

#### PICNIC

It was a James Dandy, Esq. of a picnic. The chow was a feast, the company was wonderful, the weather favored us, and some folks even won prizes too. They were, in the order of winning: K6\$LA, keyer; WB6NIG, U.S. Call Book; KA6QFF, Foreign Call Book; KG6FK, IC-2A; AD6Z, low pass filter; N6GNB, cut-coin jewelry; W6YYV, digital clock; K6NS, a lovely prize; W6JSP, World Map; KA6FPS, U.S. Call Book; WB6NIG, cut-coin jewelry; W6TFB, speaker; N6IE, cut-coin jewelry; N6GNB, RFI Book.

Dick WB6QBO, revived an old custom and brought out a pot of freshly picked and boiled corn. The corn was sweet as sugar, and disappeared rapidly into ye olde Ed and others too humorous to mention. AD6Z knew we were coming so she baked a pie (or two) of the blueberry persuasion. The pie was made to order for the Dreyer's that W6HCD brought. Fat City!!

Emily, WA6ZKC, has certainly done well in organizing and tending this fine picnic. She deserves the Club's thanks for a job well done. She had excellent clean up help from Ron, KF6ND, and, I'm sure, others.

We hope that you'll come out and join us next year. Sorry you missed it this time. All of us who went, earned our SECOND ticket for next year.

#### AUGUST CLUB MEETING

At the August club meeting, Mr. Jim Hunt, Disaster Preparedness Administrator for San Diego Gas and Electric Company, gave us a very interesting and informative overview of SDG&E's status in disaster preparedness and disaster planning. An excellent speaker who is certainly familiar with his subject. Mr. Hunt has also been the County's Director of Disaster Preparedness.

W9FQN's Silent Auction again added to the Club's coffers. Donations of items for the silent auction are much appreciated. Tasties by Susan and Linda Rohrer were just dandy.

A grand time was had by all.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, with malice for Alice.

AT THE AUGUST MEETING: The Committee heard from W9FQN that the new tower base on Mount Palomar had been poured after no small amount of effort on Stan's part to get the truck into the site. For the good news, we heard that the concrete had been donated to the Club (see following item). It was voted to print a callsign club roster in the SCOPE.

#### TOWER BASE POURED WITH CONCRETE DONATED TO THE CLUB!!

The eight and one-half cubic yards of concrete for our tower base was DONATED to the PARC by Mr. Ray White of Fallbrook. This donation was arranged for by John, WB6MEI, who also arranged for a donation of the reinforcing rod in the base. This has probably saved the Club enough to afford to rent a crane to erect the tower; and to buy the additional hardware, hardline, and accessories for a first-class installation.

After much pioneering effort by Stan, W9FQN, the transit mix truck was able to get into the site on August 8 and poured 8.5 cubic yards of concrete (16 tons) for the tower base - and to pave part of the mountain top (8 yards were all that was needed for the base). The County of San Diego, of course, had inspected and approved the re-bar for the tower base prior to the pour.

On August 17, the painting of the 20' base section of the tower was completed by K6BPT, W9FQN, K6HAV, and KF6ND. The remaining tower sections were also painted on two sides. The final paint was applied to the third side on August 20 by W9FQN and K6HAV.

Stan hopes to have the bottom section installed on the base by the time you read this. He's looking for a boom rig which can be used to put up the remaining 50' of tower (two 20' sections + a 10' section). The total lift would be 72' with each 20' section weighing 540 lbs.

Donations to the Tower-Repeater Fund have reached \$1,047.40!! Thanks to



the following folks who have contributed to the Tower Fund: WA7AMS, N6CKQ, KA6DWU, WD6ENK, W6EYP, N6FMK, KA6GRG, WB6GXR, K6HAV, K6HE, W6HUJ, KA6HZF, N6IE, N6INN, WA6IPD, W6JLW, N6KI, WA6LUX, K6MXM, KF6ND, K6NS, W6OKG, WB6QBO, KA6QFF, WA6QQQ, KE6QV, K6ROR, K6\$LA, KB7TD, W6TFB, WA6TIJ, W6TZV, KZ6X, KE6XF, and K6YEO. Some have donated 2-3 times.

Material donations to help the Club get the tower up have come from Dennis, N6KI (wire and hardware); Larry, KB6DNR (hardware), Bill, K6TQ (engineering and hardware); and from other sources thanks to the assistance of John, WB6MEI (reinforcing rod, concrete, and lumber).

#### TRAFFIC HANDLERS NEEDED FOR NORTH COUNTY TRAFFIC NET

Net Manager, WB6HMY, says that check-ins on the net have been few and far between, a fact some of the rest of us can vouch for. We very much need more than the faithful four or five. If you'd like to help and get your feet wet in traffic handling, check in on the North County Traffic at 2000 local each evening (except club meeting night). We need folks from all over the county. Joe says he also needs more stations to act as liaison stations between the NCTN and the Southern California VHF net. If you can help, let Joe, WB6HMY, know; or call the NCS for the evening and ask for assignment to the net.

#### MAGAZINES AND CONSTRUCTION ITEMS AVAILABLE

Individuals new to amateur radio might be interested in obtaining sets of the following magazines from the Club: QST, 73 Magazine, CQ Magazine. The Club has these at very reasonable prices. See Stan, W9FQN.

The Club also has all sorts of item for your projects: speakers, tubes, resistors, capacitors, knobs, etc. W9FQN can fix you right up.

#### FORESAIL

(The hull you say!)

Motorola 120W 136-150.8 MHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes & all documentation. Has GLB synthesizer for tx/rx freq control. An excellent repeater or base station. \$250 or best offer. Help the Club out and Call Pheel, K6ROR, at 724-0098. If the Gint Computer answers you may do better talking to it.

Tempo S1 2M FM HT, \$150; Scanvision SSTV monitor and camera, \$150; 2M Ranger antenna, \$10. Call Bryan Selle at 726-6020.

CP-1/VIC20-3 AEA software w/cable and instruction book, \$25. Call Earl, K6MXM, at 743-0860.

Trade: Shugart 8" disk drive model 900-1, for 2M mobile xcvr, KDK 2030 or equivalent. Call Ted, K6RF, at 439-8562.

All 2M FM: TR-2500 HT, Azden 3000, and Conar xcvr, all as a package for \$350. All are synthesized and all need work. Call Brian, KF6BL, 433-4293.

Yaesu FRG 7000 Radio West modified w/1.9 Collins SSB filter with switch and 4K ceramic AM filter, in mint condx, \$375. Write Tom Healy, N6DSX, 416 Bonair St., La Jolla, CA 92037.

Midland 13-505 25W 2M FM xcvr w/15 sets of xtals including many for local repeaters, best offer. Regency BTH-201 2M FM 25W commercial xcvr w/.13-.73 xtals. Make offer. Call Bob, W6NZX, at 758-4701.

Dovetron MPC-1000R RTTY terminal unit, the ultimate. Cost \$1,500, sell \$795 or make offer. Epson MX-80 printer w/RS 232C interface and Graftrax built in, new condx. Cost \$675, sell \$345 or offer. Delta ultra-sonic burglar alarm, \$45. Call Stan, K7BHI, at 728-2668.

Drake 2B HF rx, Heathkit SB-110 6M SSB xcvr w/spkr pwr supply and mike. Call Bill, K6GJD, at 726-2029.

Collins S-Line station to a good home. 32S-1, xmtr w/solid state pwr supply and Shure 444 mike, 75S-1 rx. All in mint condx for \$300. Call Larry, KB6DNR, at 726-0353.

Swan SWR/watt meter, \$35. Call Will, W2FWV, at 436-3277.

MFJ Model 721 SSB/CW active filter, \$40. Call Dennis, N6KI, at 271-6079.

Kenwood monitorscope SM-220, \$225. Kenwood 2400 2M HT, \$175. Both units in top condition. Call Allen, N7AMR, at 434-5656.

AEA model BT1 Code Practice Trainer, \$40. Call Stan, W6MIO, at 745-7082.

#### WANTED

(Chloe!)

ICom IC-22A in working condx and/or other xtal controlled solid state rig. Manual/schematic for Atronic code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079.

Yaesu HM-148 microphone or equivalent. Call Will, W2FWV, at 436-3277.

40' crankup tower. Call Stan, W6MIO, at 745-7082.



### PREZ SEZS

It certainly was good to see so many of our Club members at our annual picnic, and I would like to thank you all for coming and joining in our biggest annual event. It was a pleasure.

I hope that you all will make plans for the coming months to save the first Wednesday of the month for our monthly membership meetings. I feel that we have one of the best clubs, and it's our membership which makes it that way. Our monthly meetings help to reinforce this, so please come and take part.

de N6GZI

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnuington (CT 06111, that is) and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Yohn will yump for yoy - all the way to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 MHz simplex. The Orange County Ham-Computer-Electronics Swap Meet takes place starting at 0700 on the 2nd Sunday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. \$5 for sellers, free for buyers. Talk-in on 147.090 -600.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. (See ad in this issue.) Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

### LAST SANTEE HAMFEST AT THE OLD ADDRESS - NEW LOCATION COMING UP

Starting October 6, 1984 the SANTEE HAMFEST will be at the Hollins Lake Recreation Area in Santee. It will be held on the first Saturday of the month between 0800 and 1200. Admission is \$1 per "trader". "Lookers" are free. The new area may be reached by going northeast from I-8 on Mission Gorge Road 6.6 miles, and then left on Junipero Serra Rd. to Hollins Lake. From El Cajon, north on Magnolia then left on Mission Gorge Rd. 3.7 miles. For more dope call Tom or Ken at 448-6763.

### NORTH COUNTY AMATEUR LICENSE EXAMINATIONS

Marty, K6NS, informs us that examinations for licensing in the Amateur Service will be conducted at Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista on the second Saturday of every month from 1000 to 1600.

Examinations will start on Saturday, September 8, and will be given on the second Saturday of each month thereafter. They will also be conducted in the Normal Heights Methodist Church in San Diego on the first Saturday of each month. Other locations and dates as we are informed of them.

Applicants must send a completed, signed NEW Form 610 and their license or a copy thereof to SANDARC-VEC, Post Office Box 5023, La Mesa, CA 92014 ten days prior to the testing date. The new FCC Forms 610 may be obtained from the FCC. Hopefully, Marty will also have a supply before long.

### VOLUNTEER EXAMINERS URGENTLY NEEDED

With the Volunteer Examiner Program off and running, Volunteer Examiners are urgently needed. They must hold an Advanced or Extra Class license.

If you qualify and can help, please contact Marty, K6NS, at 758-0782 and volunteer your services. Marty will get you on the path to becoming a VE. Call now. LET'S GET ON WITH IT!

### FROM THE ARRL LETTER

The FCC has again expanded some of the HF phone bands. Effective 0001, September 1, phone, SSTV, and FAX are authorized on the following frequencies: 3750 - 3775 kHz - Amateur Extra; 3775 - 3850 kHz Advanced and higher; 3850 - 4000 kHz - General and higher. 21200 - 21225 kHz - Amateur Extra; 21225 - 21300 kHz Advanced and higher; 21300 - 21450 kHz General and higher. 28300 - 29700 kHz - General and higher. The Commission expanded



20M phone operation last year (See QST, June '83, page 59).

The FCC is also permitting phone operation on 7075 -7100 kHz IN HAWAII due to the proximity to Region 3. The FCC has also adopted ARRL's proposed band plan (see QST, October '82, page 51).

The Land Mobile Communications Council, in a Petition for Rulemaking to the FCC, RM-4829, has requested that the FCC allocate more spectrum space for the Land Mobile Radio Service. The LMCC suggests the 800 MHz band and the 220-225 MHz band might be used.

Another Petition for Rulemaking, RM-4831, has been filed by Sideband Technology, Inc., a manufacturer of Amplitude Compandored Sideband equipment. STI proposes that 216-222 MHz be segmented into 5-kHz channels, and dedicated exclusively to private and government narrowband land mobile radio systems. (They'll have to fight the fishing boats for the 220 MHz band according to a news release purporting to be from the West Coast Fisheries Development Foundation, which was sent to us by WA6QQQ.)

Remember, these are not Petitions for Rulemaking and not FCC Notices of Proposed Rule Making. The deadline for comments on these Petitions is August 29.

#### ACTION REQUIRED TO HEAD OFF ANOTHER ATTEMPT TO TAKE ONE OF OUR BANDS

Since we did not receive notice of the new attempts to take 220 MHz from us in time to submit comment on the two Petitions for Rule Making listed in the article above, we must watch and see what action the FCC takes on them. Should the FCC decide to take any other action than to deny them, it will be necessary to "man the barricades" and undertake another campaign like the one that was so successful in the "No Code License" matter. Even if you don't use the 220 MHz band, you'd do well to join in any effort to stifle this crass grab for our frequencies.

One thing that will help greatly is much more use of the 220 MHz band. It's a very good band and is similar to the 144 MHz band. As 2M becomes more crowded the 220 MHz band will become much more popular. It's easy to get on with more than an HT now that ICom has the neat little 25W IC-37A available. KA6YBC/R 224.44 (-) atop the San Marcos Mountains is a good open north county repeater. Steve KA6YBC, would like some users to keep the tires from going flat. The 220 Club of San Diego has a open repeater in our building on Mount Palomar on 224.90 (-). It does a fine job of covering San Diego County.

Get on and try 220 MHz. STAY ALERT for the FCC's action on these two.

#### SICK CALL

Dora, KF6TF, is back home after more surgery; and is back on the air.

#### SUGGEST TO YOUR FRIENDS THAT THEY REENLIST NOW!

Please talk to your friends and see if they are still on our mailing list. We will publish a Club Roster soon, and they won't be on it if they're not in it (the Club, that is). TELL 'EM!

#### DOWN THE TOOBE

Thanks to W9FQN, N6GSS, WB6HMY, WA6KZN, and K6ROR for their help in getting the gint August issue on the street. Especial thanks to KA6PPD and the Vista Printing Service for the great photos, neat layout, and the usual fine printing job on that same gint issue. (Gint is short for giant - in case you left your perspicacity on the dresser.) Paul doesn't charge us for the very expensive photo pages and doesn't charge us for his time and labor, some of which came at 0300 to get it done for us.

Sorry to hear that Jack, KD6ZO, is leaving us for beautiful downtown Joplin (MO - that is). Jack is now retired and has sold the local place, and will be leaving about the time this hits the mail. 73, Jack.

Don Wallace, W6AM, and four other hams and XYLS made their trip to Tahiti and made a bunch of contacts on SSB, CW, RTTY and OSCAR 10, Don says.

The Club greatly appreciates recent donations of goodies from Jim, W6IPP, and from Mickey, WA6WQI, who both furnished very nice items for the auction table. Thanks also to John, WB6IQS, for doing the pickup and delivery chore.

Congratulations to Ron Wilhelmy, KF6ND, on passing the Extra Class Exam. He's going to keep the present call sign.

It was great to see Jack, W6SMP, and his XYL, Willie, at the picnic. To make it all the better, they brought Doc, K6RY, and Sue, his XYL. Jack and Willie have retreated to their home in Palm Desert for the winter.

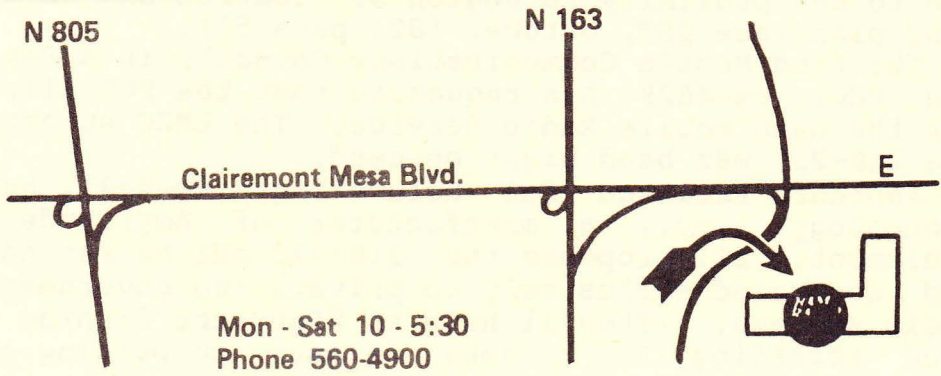
Speaking of Doc, K6RY, he reaches his 89th birthday on September 15. Max, W6DEY, made it to his 80th on August 23.

Just because I'm not paranoid doesn't mean they're not following me.

"That's all", she wrote.



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GLENN K6NA  
TOM KM6K

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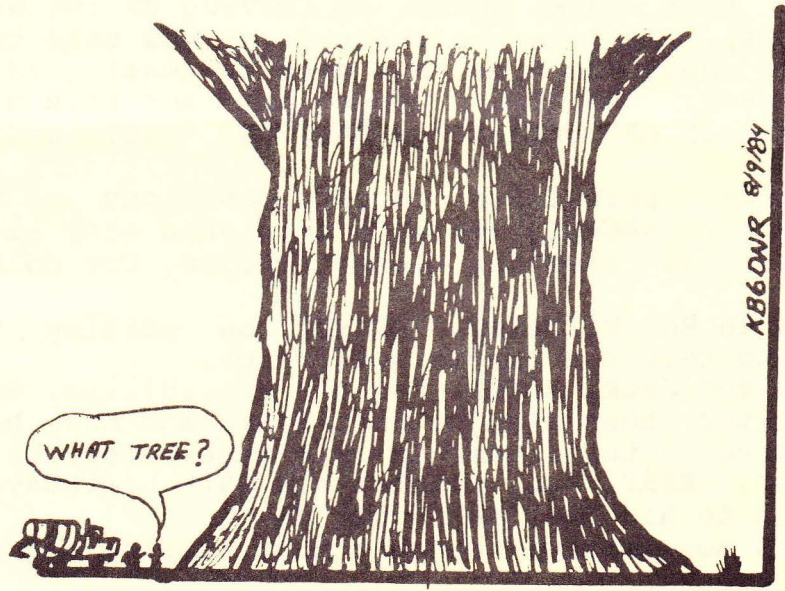
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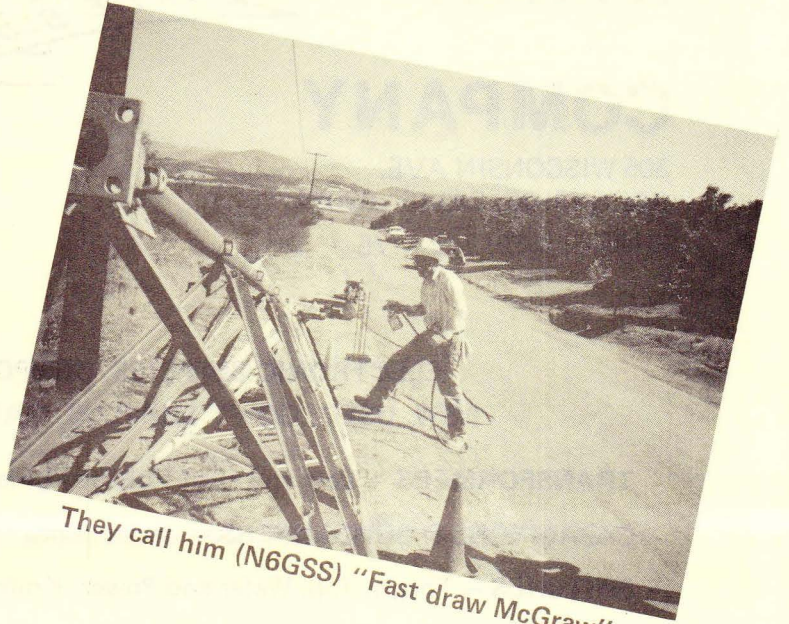




ANTENNA TOWER & PICNIC, August 12, 1984  
(or "Antenna tower is no picnic")



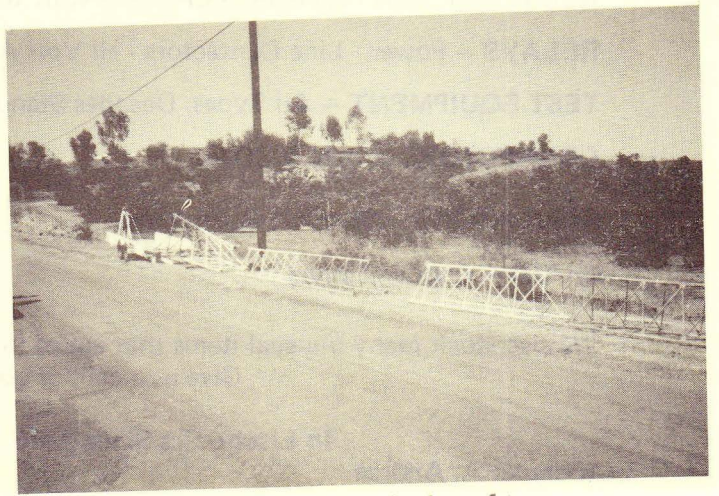
K6BPT making sure N6GSS doesn't miss any spots



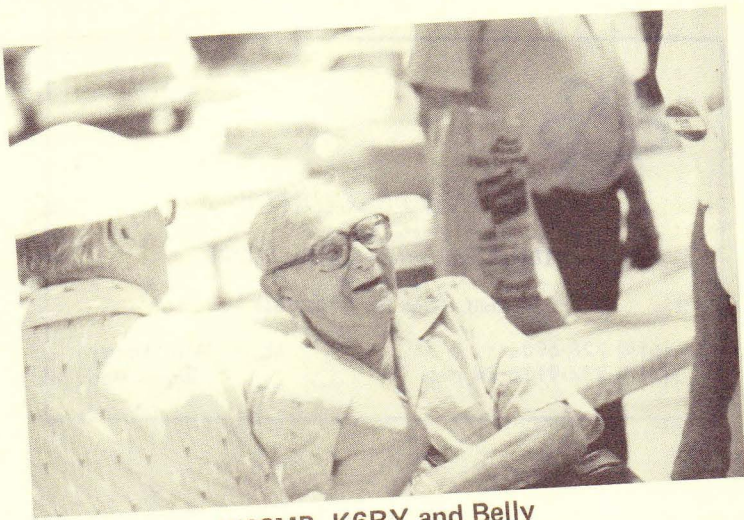
They call him (N6GSS) "Fast draw McGraw"



K6GJD, K6BPT & N6GSS engrossed in painting



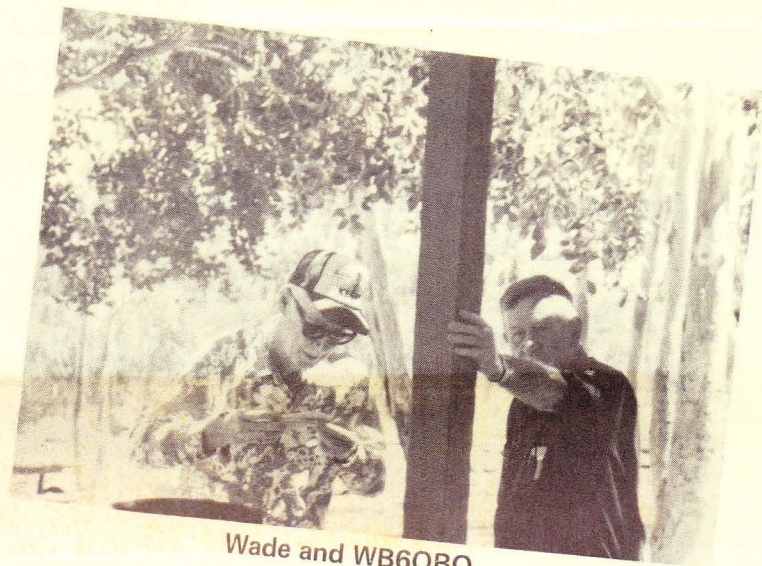
— and that's a heck of a lot of tower



W6SMP, K6RY and Belly



Linda Nguyen, Emily & Ed  
- presentation of PARC scholarship



Wade and WB6QBO



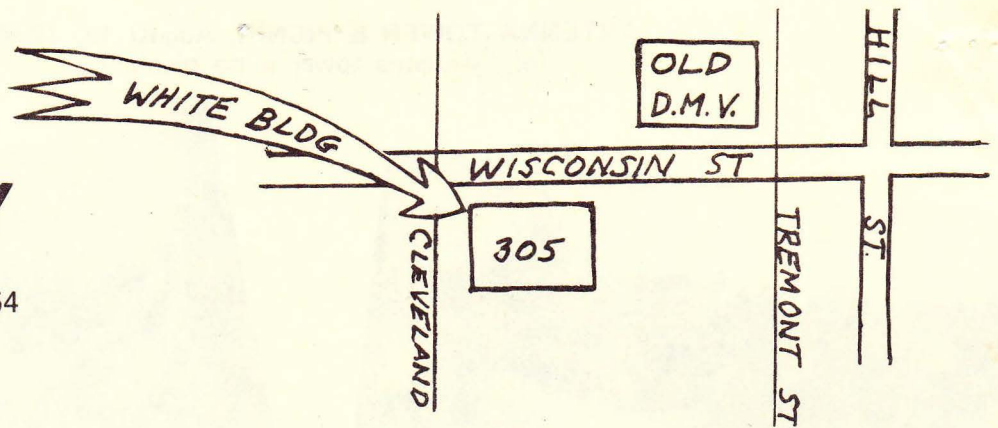
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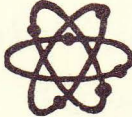
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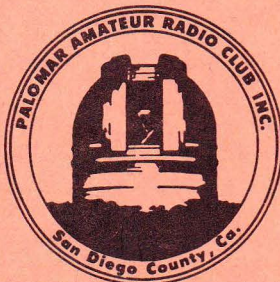
John Kuivinen  
WB6IQS  
P.O. Box 1466  
Vista CA 92083

07/85



NORTHERN SAN DIEGO COUNTY

W6NWG  
**Scope**



THE PALOMAR AMATEUR RADIO CLUB, INC.

POST OFFICE BOX 1603  
VISTA, CALIFORNIA 92083-0530

VOL. XXIV, NO., 10

1936 - 1984

OCTOBER, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
SECRETARY: Billy McCord, WB6TBQ, Vista  
TREASURER: John Tentor, W6OLQ, San Diego  
EDITOR: Ralph Crossman, K6HAV, Vista

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THE TOWER IS UP - ALL SEVENTY FEET OF IT! Story on page 2. Pics, too!

\*\*\*\*\*

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first. CHANGES OF ADDRESS, CALL SIGN, ETC. Send to P.O. Box 1603, Vista, CA 92083-0530. IT COSTS THE CLUB 25 CENTS TO FIND OUT THAT YOU HAVE MOVED UNLESS you TAKE THE TIME TO TELL US.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance. Visitors welcome.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels it only proper that you provide him with your name and call sign if you want them on your very own badge (like the big guys have).

TWO REPEATERS, utilizing the club call sign W6NWG, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. The 450 MHz machine is occasionally on tone squelch (PL 3A). They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is under way, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE CONTROL OPERATORS FOR W6NWG/R ARE: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. Visitors welcome.

#### OCTOBER CLUB MEETING

The program for the October meeting will be on the subject of Radio Remote Control of Models. The speaker will be Colonel Jack Albrecht, W6RRX, who has a very extensive background in radio remote control.

SHOW AND TELL will feature two home-made bearing/distance globes.

SILENT AUCTION will have a Heath GDO, Heath HW-8 QRP xmtr, Knight VOM,



5-position coax switch, Turner M+2/U transistorized mobile mike w/gain control, and the usual hard-to-find items and magazines. No bid is too low unless someone tops it - and you can bid as many times as you wish until the bidding stops at the end of the prize drawings. Bidders must remember to continue to check to see if their bid has been overbid. Some of our bidders have lost out by not checking.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those nice low-cal goodies by Susan and Linda Rohrer.

#### SEPTEMBER CLUB MEETING

At the September club meeting, Nash Williams, W6HCD, gave us a very informative illustrated talk on Solar Power for Residential Use.

We heard Stan, W9FQN, tell us that the Club's new tower is up all 70' on the Club's property on Mount Palomar.

W9FQN's Silent Auction again added to the Club's coffers. Donations of items for the silent auction are much appreciated. Tasties by Susan and Linda Rohrer were just dandy.

A grand time was had by all.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly. Very quietly!

AT THE SEPTEMBER MEETING: There was much more heat than light, but it was an enjoyable evening anyway.

#### TOWER ERECTED!!

Early on a frosty morn (Saturday, August 25th, to be exact), a fine group met at W9FQN's QTH and loaded the base and top sections of the tower on Stan's boat trailer. They were: KB6DNR & his friend, Bob, W9FQN, K6HAV, WB6R, and WA6VYD. We were on the mountain top by 0830. The base 20' section of the tower was on the concrete base by 0930, and we were on our way home by 1000 or so. Stan did a beautiful job of setting the 12 anchor bolts in the concrete base so that the 540 lb. base section went on without forcing, the use of a "bigger hammer", or thread stripping.

On Saturday, September 1st, the other three sections were added to the top of the base section with the help of a crane and KB6DNR and N6GZI at the top of the tower, and W9FQN, K6HAV, and Larry's friend, Bob, on the ground. Lightning rods, ground straps, and ground rods were added before the crew left the site for the day. Our beautiful new 70' tower is up!

With the addition of some antennas and longer feedlines the project will be complete. The coverage of both repeaters should improve - particularly in some of the more hilly areas of the county. Time will tell. Pictures of the two-weekend operation further along in this issue, thanks to KA6PPD.

The crane cost \$450 for the five hours (including travel time to and from Escondido), and was worth every penny of it. The crane operator was an expert and got that big brute right into the site and handled those 540 lb. tower sections just like he knew what he was doing. It sure beat doing the job with a gin pole and strong backs (we were short of both).

Donations to the Tower-Repeater Fund have reached \$1,057.40. The following folks have contributed: WA7AMS, N6AT, N6CKQ, KA6DWU, WD6ENK, W6EYP, N6FMK, KA6GRG, WB6GXR, K6HAV, K6HE, W6HUJ, KA6HZF, N6IE, N6INN, WA6IPD, W6JLW, N6KI, WA6LUX, K6MXM, KF6ND, K6NS, W6OKG, WB6QBO, KA6QFF, WA6QQQ, KE6QV, K6ROR, K6\$LA, KB7TD, W6TFB, WA6TIJ, W6TZV, KZ6X, KE6XF, and K6YEO. N6AT is the latest. Some have donated 2-3 times.

Material donations have come from Dennis, N6KI (wire and hardware); Larry, KB6DNR (hardware), Bill, K6TQ, (engineering and hardware); and from other sources thanks to the assistance of John, WB6MEI (reinforcing rod, concrete, and lumber).

The Club is looking for someone who can wire in four or five new AC outlets in our repeater building. Contact W9FQN, K6HAV, or WB6IQS.

#### TRAFFIC HANDLERS NEEDED FOR NORTH COUNTY TRAFFIC NET

Net Manager, WB6HMY, says that check-ins on the net have been few and far between, a fact some of the rest of us can vouch for. We very much need more than the faithful four or five. If you'd like to get your feet wet in traffic handling, check in at 2000 local on W6NWG/R.

#### MAGAZINES AND CONSTRUCTION ITEMS AVAILABLE

We have many years of QST, CQ, and Ham Radio. New hams wishing to gain a background, or old hams wishing to catch up on what went before can contact W9FQN for sets of magazines. Binders are also available.



The Club also has all sorts of items for your projects: speakers, tubes, resistors, capacitors, knobs, etc. W9FQN can fix you right up.

#### FORESAIL

(Let's stop this jibberish!)

Motorola 120W 136-150.8 MHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes & all documentation. Has GLB synthesizer for tx/rx freq control. An excellent repeater or base station. \$250 or best offer. Help the Club out and Call Pheel, K6ROR, at 724-0098. If the Gint Computer answers you may do better talking to it.

Heath SB-401 xmtr, Heath SB-303 solid state rx, matching spkr, Shure 444 mike, \$300. Call Steve, KQ6U, at 560-9907.

Tri-Ex W-67, self-standing, crank-up tower w/gin pole and rotor, \$1,300. You take down and haul. Call Marv Smith, N6NA, at 726-1954.

FREE: Central Electronics 10A SSB exciter w/BC-458 VFO. Probably the first commercially built ham SSB exciter. Call Clem, W6EBV, at 753-4104.

ICom IC-230 w/manual. By original owner. U-fix, \$25. Alliance Tenna Rotor, mint condx, \$15. Call Dan, WA6HYB, at 433-4445.

Tempo S1 2M FM HT, \$150; Scanvision SSTV monitor and camera, \$150; 2M Ranger antenna, \$10. Call Bryan Selle at 726-6020.

CP-1/VIC20-3 AEA software w/cable and instruction book, \$25. Call Earl, K6MXM, at 743-0860.

Kenwood TS-520SE 7-band HF xcvr w/MC-50 mike, Heath HM-15 SWR bridge, \$425. 10-40M Mini-Quad w/30' mast, guys, coax, and rotor. Call Charlie, WB6DUS, at 757-0780.

Yaesu FRG 7000 Radio West modified w/1.9 Collins SSB filter with switch and 4K ceramic AM filter, in mint condx, \$350. Yaesu FT208R w/PL, NC-8 pwr supply, quick charger, and YM-24A speaker-mike, mint condx, \$250. Write Tom Healy, N6DSX, 416 Bonair St., La Jolla, CA 92037.

Dovetron MPC-1000R RTTY terminal unit, the ultimate. Cost \$1,500, sell \$795 or make offer. Epson MX-80 printer w/RS 232C interface and Graftrax built in, new condx. Cost \$675, sell \$345 or offer. Delta ultra-sonic burglar alarm, \$45. Call Stan, K7BHI, at 728-2668.

Drake 2B HF rx. Call Bill, K6GJD, at 726-2029.

Swan SWR/watt meter, \$35. Call Will, W2FWV, at 436-3277.

MFJ Model 721 SSB/CW active filter, \$40. Call Dennis, N6KI, at 271-6079.

Kenwood monitorscope SM-220, \$225. Kenwood 2400 2M HT, \$175. Both units in top condition. Call Allen, N7AMR, at 434-5656.

AEA model BT1 Code Practice Trainer, \$40. Call Stan, W6MIO, at 745-7082.

#### WANTED

(Chloe!)

Mint condx 600 ohm head set. Call Dan, WA6HYB, at 433-4445.

ICom IC-22A in working condx and/or other xtal controlled solid state rig. Manual/schematic for Atronics code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079.

#### NORTH COUNTY AMATEUR LICENSE EXAMINATIONS

Examinations for licensing in the Amateur Radio Service are conducted at Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista on the second Saturday of every month from 1000 to 1600.

The first examinations were held on Saturday, September 8. Seven applicants were examined - six successfully to some degree or other. Five took a cw test element - all successfully. One examinee went from no license to Advanced Class, and another to General Class. A very good operation for the first time we conducted the tests. Taking part in the VE FCC testing were: KF6BL, W6DEY, KG6FD, K6HAV, N6INN, KB5MU, KF6ND, K6NS (our Fearless Leader), KS6S, and AD6Z.

License exams are also conducted at Normal Heights United Methodist Church, 4560 Mansfield St., San Diego on the 1st Saturday; at St. Timothy's Lutheran Church, 2605 Morningside Dr., San Diego on the 3rd Saturday; and at Bostonia Recreation Center, 1049 Bostonia St., El Cajon, on the 4th Saturday. No exams on the fifth Saturday.

Applicants for examination at any of the San Diego County locations must send a completed, signed, NEW Form 610 and a copy of their license, if any, to SANDARC-VEC, Post Office Box 5023, La Mesa, CA 92014 ten days prior to the testing date. New 610s may be obtained from the FCC. Applicants must bring their original license with them on the day of the exam.



+++++

JIM KAVAN, W6IPP, SILENT KEY

Jim Kavan, W6IPP, became a silent key Thursday noon, September 20th after a long battle with emphysema. Jim had been back in the VA Hospital in La Jolla for several weeks. He was a retired Navy Lieutenant Commander, and had served as one of the rare breed, the enlisted Naval Aviation Pilot, prior to becoming an officer. He flew in World War II. Jim was a Palomar Amateur Radio Club member and supporter. He was active in Club activities while his health permitted. He had just recently donated much of his ham accumulation to the Club. Jim will be missed by all of us who knew him and counted him as a friend.

+++++

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnuington (CT 06111, that is) and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Yohn will yump for yoy - all the way to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS are:

In SANTEE at the Hollins Lake Recreation Area in Santee on the first Saturday of the month between 0800 and 1200. Admission is \$1 per "trader". "Lookers" are free. The new area is reached by going northeast from I-8 on Mission Gorge Road 6.6 miles, and then left on Junipero Serra Rd. to Hollins Lake. From El Cajon, north on Magnolia, left on Mission Gorge Rd. 3.7 miles.

The TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 MHz simplex.

The ORANGE COUNTY Ham-Computer-Electronics swap meet takes place starting at 0700 on the 2nd Sunday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. \$5 for sellers, free for buyers. Talk-in on 147.090 -600.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. (See ad in this issue.) Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus TS-930 or KWM-380.

FROM THE ARRL LETTER

The FCC has proposed to reallocate half of the 160M band (1.9-2.0 MHz) to non-government radiolocation because of an anticipated expansion of the AM Broadcast Band that would force certain radiolocation stations to move. This is Docket 84-874, a Notice of Proposed Rulemaking released on September 11. The ARRL, on September 14, filed a motion to hold this NPRM in abeyance pending resolution of an ARRL petition filed September 10 for Initiation of Inquiry Procedure on the present use of the medium frequency band by non-government radiolocation users. The ARRL will keep us abreast of what is beginning to look like the bureaucratic equivalent of a soap opera.

ARRL has requested that the FCC issue a Declaratory Ruling of Limited Federal Preemption of State and Local Regulation of Amateur Radio Station Installation and Operation. Such a ruling would delineate the limitation of local zoning and other local and state regulatory authority over Federally licensed Amateur Radio facilities. ARRL cited a number of cases where local authorities have tried to use zoning regulations to prohibit effective Amateur Radio operations. Although local officials tend to couch their actions and decisions in terms of the protection of health and safety, there is little basis in the safety or health concern.

FCC seeks comments on the League's filing. An original and four copies of your comments must be received by the Secretary, Federal Communications Commission, 1919 M Street, NW, Washington, DC 20554 on or before November 9. Send a courtesy copy to ARRL HQ. Comments should refer to document number PRB-1. Comments should be non-emotional, factual accounts of any difficulty you have had in obtaining permission to erect an antenna, especially legal and professional expenses, as well as incidental expenses such as time lost from work.

ARRL employees voted not to unionize 55 to 13 in an election recently conducted by the NLRB.

Latest calls in the 6th District 9/1: WC6M, KG6KU, N6LBE, and KB6GJB.



### SICK CALL

Joe, WB6HMY, spent a day or two in Kaiser Permanente Hospital with a kidney stone problem. When last heard from, he was home - waiting for his troubles to pass.

Chuck, W6IRM, writes to tell us he's had open heart surgery, but is coming along quite well. Glad you're doing well; and that you've rejoined us, Chuck.

### DOWN THE TOOBE

Dora, KF6TF, and OM, George, moved to their daughter's house in Mesa, AZ on the 20th of September. George's deteriorating health made the move necessary. Dora will be much missed by her many friends on W6NWG/R, but many of them will stay in touch via HF since Dora plans to get into operation from the new QTH as soon as possible.

John, WB6MEI, has joined the ranks on 450 MHz with the addition of a Kenwood TW-4000A, which he received as a birthday present. Maybe we'll hear you and NC6J up on the machine, now John.

Phil, KB6DQR, passed his General Class examination. Waytago, Phil!

W9FQN says "Thanks" to those who help him carry the silent auction goodies up to the meetings.

WA6QQQ's company, Communications General Corp., publishes an interesting monthly newsletter, The CGC Communicator, for broadcasters in the Southern California area. Bob and Steve, KA6YBC, are also running a computer bulletin board for broadcasters.

We certainly owe a vote of thanks to Paul, KA6PPD, and Vista Printing Service for all of the time and effort that has gone into the many pages of pictures he's donated to the SCOPE. Thanks.

"That's all", she wrote.



OUR HEROES - N6GZI & KB6DNR - hangen on to the top at 5600 feet plus 70 feet.  
(it was that last 70 feet that separated the men fom the boys)

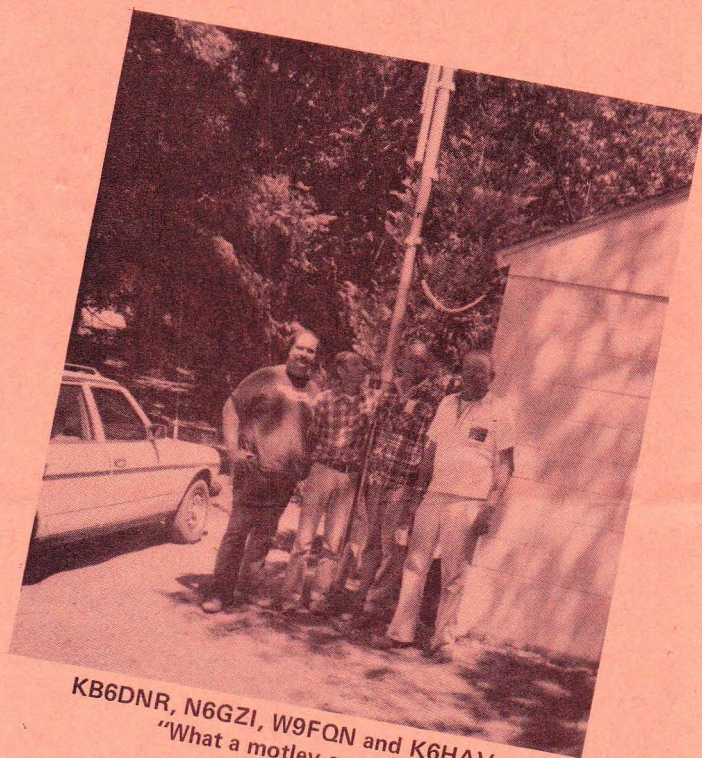




# A GREAT STEP FORWARD FOR P.A.R.C.



N6GZI and KB6DNR bolting on the top 30 feet of tower.



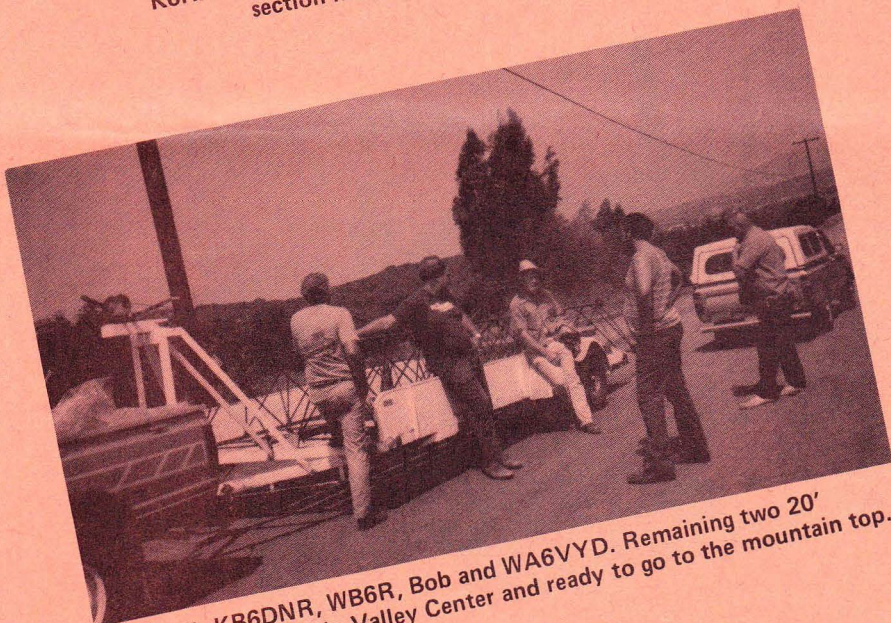
KB6DNR, N6GZI, W9FQN and K6HAV  
"What a motley crew"



K6HAV, W9FQN, WA6VYD, KB6DNR and WB6R. The 20' base section has just been set up and bolted in place.



N6GZI and KB6DNR — IT'S UP! Those two rods to Ed's left are 5' long lightning rods.



W9FQN, KB6DNR, WB6R, Bob and WA6VYD. Remaining two 20' sections are loaded in Valley Center and ready to go to the mountain top.



L. to R. Existing 2 meter and 450 mast, new tower (in background), and 220 antenna.



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GLENN K6NA

TOM KM6K

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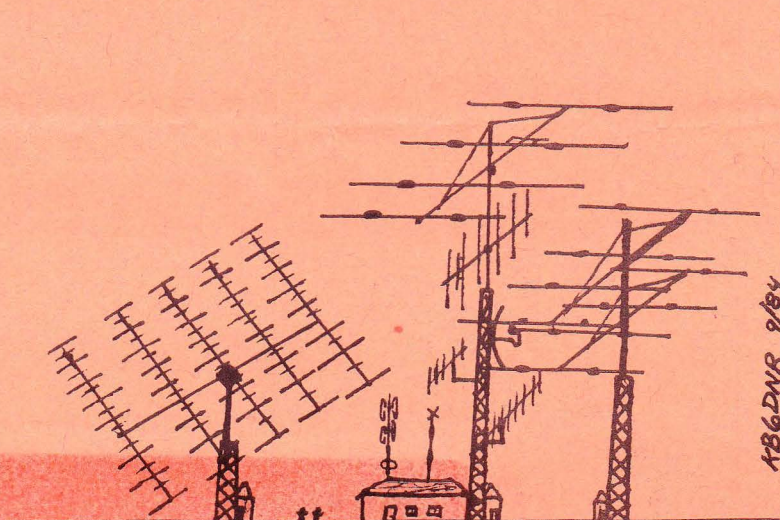
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LINDA J. McCULLOUGH  
VICE PRESIDENT  
MANAGER

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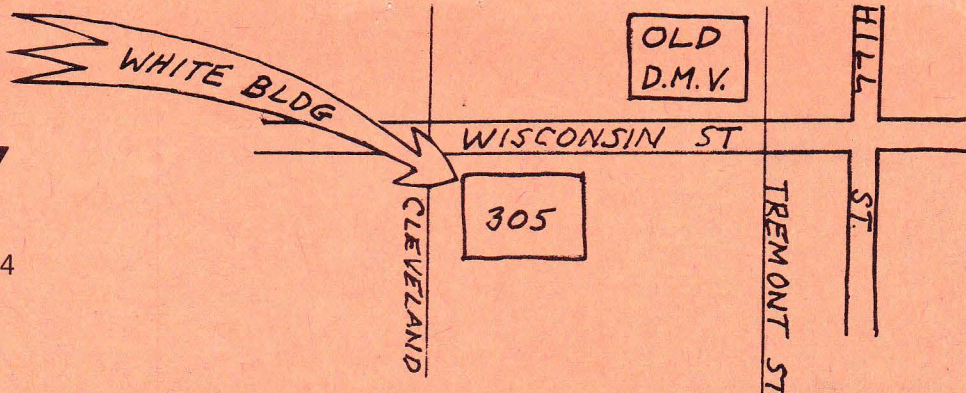




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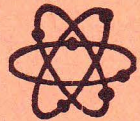
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M. W. Skip Skinner  
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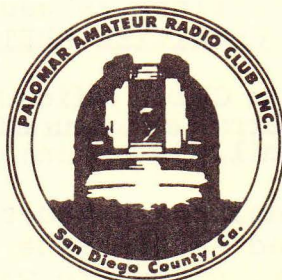
SCOPE - OCTOBER

John Kuivinen  
WB6IQS 07/85  
P.O. Box 1466  
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SCOPE MATERIAL: The deadline for material for SCOPE is the Wednesday two weeks before the club meeting. Mail to Ralph Crossman, K6HAV, P.O. Box 73, Vista, CA 92083.

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OFFICIAL CLUB BADGES are available from the club Treasurer. Unfortunately, he does require money and also feels it only fitting that you provide him with your name and call sign if you want them on your very own badge (like the big guys have).

TWO REPEATERS, both W6NWX/R, are owned and operated by the Club. One has an input of 146.130 MHz and an output of 146.730 MHz. Input for the other is 444.425 MHz and the output is 449.425. The 450 MHz machine is often on tone squelch (PL 3A). They are both located on the Club's property on Mount Palomar at about 5,600'; and are open repeaters for club members and occasional and transient users.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on 146.730 MHz -600 kHz at 2000 local to handle formal written traffic. Visitors are welcome.

#### NOVEMBER CLUB MEETING

John Kuivinen, WB6IQS, will give us an illustrated talk on his recent visit to archeological sites in Peru. If you heard John's talk on Egypt, you will be sure not to miss this one. The Nominating Committee will give its report.

SHOW AND TELL will feature the new CW DX simulator, Doctor DX.

SILENT AUCTION will have a Sears Handi-weld arc welder & helmet, power/swr meter, base for mobile antenna, Heath GDO, and the usual other high quality items. Great coffee and tasties - as always.

#### THE PREZ SEZ

It seems that some of us have forgotten how many folks listen to the Club repeaters. Some folks (members) feel that just a few utilize them and by our comments tend to exclude others, myself included. Let's all remember to be kind to others, members and non-members alike. If someone should ask for emergency help, directions or information, please give that help or refer them to someone who can. If you are one of our members who doesn't use the repeaters, please do so since you helped to pay for them. Any questions or comments can be directed to me, Ed, N6GZI, by phone 270-1697, or by letter.

de N6GZI

#### OCTOBER CLUB MEETING

At the October club meeting, Jack Albrecht, W6RRX, gave us a very interesting illustrated talk on radio control of models.

Show and Tell featured W9FQN'S world globe modified to show beam headings and distances from San Diego.

The business meeting approved the minutes and treasurer's report and the SANDARC donation of \$500 to Handi-hams. PARC Membership Cards available from KA6FPS. N6GZI now heads the Interference Committee.

Silent Auction again added to the Club's coffers. Thanks to all those



who have donated items for the silent auction. Coffee by Matt, KA6QFF, and tasties by Susan and Linda Rohrer - fine, as usual.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome.

AT THE OCTOBER MEETING: The committee voted to authorize W9FQN up to \$200 from the Tower-Repeater Fund for antenna hardware for the Club's new 70' tower. Vern Baumgartner, W6HW, of Oxnard was voted an honorary member of the Club for his donation of over \$600 worth of Heliacx and connectors. Larry, KB6DNR, stated that anyone with possible cable TV interference on 2M can, at the club meeting, pick up a copy of a letter from Times Mirror Cable TV telling what is being done to solve the RFI problem. You may also call 746-6666 X 263 or write to 436 N. Quince St., Escondido 92025.

#### REPEATER - TOWER

Bob Gonsett, WA6QQQ, tells that the beautiful 70 foot free-standing tower we now have on our site on Mount Palomar once served, what was then, radio station KPRI atop the PRC Building near Balboa and Genesee, topped by a red aero beacon. The Palomar Amateur Radio Club thanks radio stations KOGO and KLZZ and Mr. Ed Shadek for the donation of the tower. It will continue to serve well in its new location and service.

Our thanks too to Bob, WA6QQQ, who told us of the tower and acted as an intermediary in its procurement by the Club.

One of our readers in Oxnard, Vern Baumgartner, W6HW, liked our last couple of issues with all the tower pictures so well that he's donated 180' of beautiful copper jacketed 1/2" Andrew Heliacx and a fine selection of new Andrew type N and UHF connectors. At today's prices Vern has saved the Club about \$620. Vern, you're no longer a subscriber. You are a Palomar Amateur Radio Club member. Welcome. Thanks - from us all.

Many thanks also to Art Rideout, WA6IPD, for his donation of time, labor, professional skill and material in the installation of new electrical outlets in our building on Mt. Palomar. Art spent a Sunday afternoon at it.

John, WB6IQS, notes that when we lost A.C. power to the repeater October 6 for more than 15 hours, our backup battery power worked perfectly, shifting back to A.C. when power was restored. The hum on the repeater indicates when it's on battery power.

New feedlines and mounting brackets are being made up so that we can move all of our antennas to the new tower soon - hopefully.

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#### JIM MUNCEY, W6HUJ, SILENT KEY

We were saddened to learn of the passing, on Sunday, June 21, 1984, of James E. Muncey, W6HUJ. Jim was a fellow club member who was very active in traffic handling and on the Club's North County Traffic Net. He will be missed by all who knew and worked with him.

\*\*\*\*\*

#### FORESAIL

(If you think that's a jib, you're not mizzen the point!)

Robot SSTV monitor Model 70, \$100; Elenco digital multimeter M-1200, \$25; Heathkit digital multimeter model 1212, \$25. Call Bill, N6COU, 758-7163.

Tristao CTL-300 series 54' guyed, crank up tower with base plate and accessories. Tower is down and ready for you to move. A steal at \$200. Call BJ, WB6VYC, or Burr, WA6VYD, at 757-6070.

New 2M Ringo Ranger ARX-2B, \$30. HyGain 18AVT 10-80M vertical antenna, \$65. Call Phil, KB6DQR, at 757-7008.

Heath SB-401 xmtr, Heath SB-303 solid state rx, matching spkr, Shure 444 mike, \$300. Call Steve, KQ6U, at 560-9907.

From the estate of W6MUO: Tri-Ex W-67, self-standing, crank-up tower w/electric winch, gin pole and Ham IV rotor, \$1,300. You take down and haul. Cushcraft Ringo Ranger II w/coax, \$20; Heath HM-102 swr/pwr meter, \$15; Heath SA-2040 2 KW antenna tuner, \$100; Palomar RX noise bridge, \$35; Micronta 260X2 range doubler for multi-tester (46 ranges), \$15; Micronta multi-tester range doubler, \$10; Heath Digital Capacitance Meter IT-2250, auto-ranging, \$125; Heath portable digital multi-meter IM-2215, \$65; Heath HD-1274 12 outlet pwr strip, \$15; Heath solid state stereo AM/FM rx AR-15, 16 years old, needs work, \$350. Call Ed, N6GZI, at 270-1697.

ICom IC-230 w/manual. By original owner. U-fix, \$25. Alliance Tenna Rotor, mint condx, \$15. Call Dan, WA6HYB, at 433-4445.

Tempo S1 2M FM HT, \$150; Scanvision SSTV monitor and camera, \$150; 2M Ranger antenna, \$10. Call Bryan Selle at 726-6020.

Kenwood TS-520SE 7-band HF xcvr w/MC-50 mike, Heath HM-15 SWR bridge, \$425. 10-40M Mini-Quad w/30' mast, guys, coax, and rotor. Call Charlie,



WB6DUS, at 757-0780.

Yaesu FRG 7000 Radio West modified w/1.9 Collins SSB filter with switch and 4K ceramic AM filter, in mint condx, \$350. Yaesu FT208R w/PL, NC-8 pwr supply, quick charger, and YM-24A speaker-mike, mint condx, \$250. Write Tom Healy, N6DSX, 416 Bonair St., La Jolla, CA 92037.

Kenwood TS-120-S all solid state HF xcvr, \$375. Epson MX-80 printer w/RS 232C interface and Graftrax built in, new condx. Cost \$675, sell \$345 or offer. Delta ultra-sonic burglar alarm, \$45. Call Stan, K7BHI, at 728-2668.

Drake 2B HF rx. Call Bill, K6GJD, at 726-2029.

MFJ Model 721 SSB/CW active filter, \$40. Call Dennis, N6KI, at 271-6079.

Kenwood monitorscope SM-220, \$225. In top condition. Call Allen, N7AMR, at 434-5656.

#### WANTED

(Chloe!)

Mint condx 600 ohm head set. Call Dan, WA6HYB, at 433-4445.

ICOM IC-22A in working condx and/or other xtal controlled solid state rig. Manual/schematic for Atronics code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079.

#### FROM THE FCC

Thanks to June Butler of the El Cajon office of the FCC for furnishing us with copies of the two bills in Congress which address the problems of willfull or malicious inteference. These will be available at the next Club meeting. See also the item in the ARRL LETTER column, following.

The new FCC Form 610 is now available from FCC field offices. It must be used by those requesting new licenses or examinations to upgrade an operator class. The old 610 forms may be used, except by those required to take an examination, until the FCC declares them obsolete at which time only the new forms (June 1984) may be used.

\*\*\*\*\*

NORTH COUNTY AMATEUR LICENSE EXAMINATIONS are conducted at Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista on the second Saturday of every month from 1000 to 1600.

License exams are also given at Normal Heights United Methodist Church, 4560 Mansfield St., San Diego on the 1st Saturday; at St. Timothy's Lutheran Church, 2605 Morningside Dr., San Diego on the 3rd Saturday; and at Bostonia Recreation Center, 1049 Bostonia St., El Cajon on the 4th Saturday. No exams on the 5th Saturday.

Applicants for examination at any of the San Diego County locations must send a completed, signed, NEW Form 610 and a copy of their license, if any, to SANDARC-VEC, Post Office Box 5023, La Mesa, CA 92014 ten days prior to the testing date. New 610s may be obtained from the FCC. Applicants must bring their original license with them on the day of the exam.

#### ELECTRONICALLY ORIENTED FLEA MARTS ARE:

The TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month (except in June when it's on the preceeding Saturday due to Field Day) from 0800 to 1100. Talk-in is on 145.320 MHz simplex.

The ORANGE COUNTY ham-computer-electronics swap meet takes place starting at 0700 on the 2nd Saturday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. \$5 for sellers, free for buyers. Talk-in on 147.090 +600.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. See ad in this issue. Aluminum, brass, copper stock at Escondido Sales yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive to TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. Contact any Club officer or Stan, W9FQN to make arrangements to unload your excess KWM-380 or IC-751.

\*\*\*\*\*

#### FROM THE ARRL LETTER

There are now bills to amend the Communications Act on both sides of Congress. H.R. 6195 seeks to add a new section 302A, covering persons (rather than devices) who willfully or maliciously interfere with radio reception. The Bates (D-CA) Bill then would amend Section 510 (a), authorizing the forfeiture of equipment for willful and knowing intent to violate FCC Rules under the new, proposed Section 302A. In the Senate, the Goldwater (R-AZ) Bill, S.2975, corrects the problem created when PL 97-259 inadvertently created two Sections 331! The second one is redesignated 332, and a new 333 is created commanding that no person shall willfully or maliciously interfere with or cause interference to any radio communication. It also provides for the seizure of the interfering radio equipment.



The revised FCC Form 610 is available from ARRL for a business-size s.a.s.e. (See also FCC item, above.)

YOUR HELP IS URGENTLY NEEDED! In July ARRL in an extensive filing, ARRL asked the FCC to issue a public declaration that state and local authorities may not prevent antenna effectiveness. FCC has designated the ARRL request PRB-1. Comments are due November 9, and reply comments December 14.

It is critically important that as many radio amateurs as possible file comments with the FCC on PRB-1. Send one original and four copies of your comments to: The Secretary, FCC, Washington, D.C. 20554. The first page should include the heading, "Comments in Response to PRB-1." We need the FCC to act affirmatively in this matter so that the numerous, lengthy, expensive litigations, which have not gained us much ground, can be short circuited. The FCC should issue a declaratory ruling exercising its federal preemptive authority over any state or local regulation that precludes or significantly inhibits effective reliable amateur communications and which is not clearly necessary to insure the safety of the installation.

FCC released a Notice of Proposed Rulemaking October 10 that would implement the allocation of additional frequencies to the Amateur Radio Service. 30 METERS: The entire 10.100-10.150 MHz segment would be available to General Class and higher for A1 and F1 operation. The 10.109-10.115 MHz window would be eliminated. The special 250 watt power input limit would be removed. During the pendency of this proceeding the entire 10.1-10.15 MHz band is temporarily available for ham use, A1 and F1 modes with a 200W output limit. 12 METERS: A1 and F1 for 24.890-24.930 MHz, and A1, A3, A5, F3, F4, and F5 for 24.930-24.990 MHz. No special power limit proposed, and it would be available to General Class and higher. 17 METERS: Not proposed for early amateur access due the requirement to move some U.S. Government fixed operations. We'll probably not be able to use it prior to 1989.

#### DOWN THE TOOBE

Paul, WA6EJL, who was kind enough to pick up the donation of Heliac and connectors from Vern, W6HW, when visiting Oxnard, says that Vern, who is retired from Collins Radio, has an as-new Collins 30L-1 - serial #4! He couldn't get a lower numbered rig as they went to Collins' vice presidents.

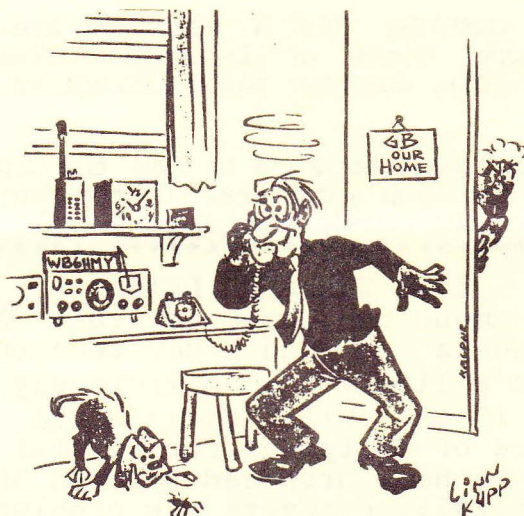
Congratulations to Carl, K6YEO, who took and passed the Extra Class examination at the north county exams on October 13, prior to flying to Tahiti, Samoa and all points in between with XYL Leona, WA6OHB.

WB6HMY says that Dora, KF6TF, is back up on the air on HF, and busily terrorizing 40M.

Jack Stafford, KC7IB, formerly WA6NGZ, was in the area recently to visit the scenes of his former crimes and get the moss off of the north side.

Thanks to Ray, WA6LUX, for copies of the anti-malicious interference bills mentioned in the ARRL LETTER column. Ray's been very active in writing to Congress about the need for this legislation.

"That's all", she wrote.



SURE YOU CAN COME OVER,  
MY DOG WOULDN'T HURT A FIEE!



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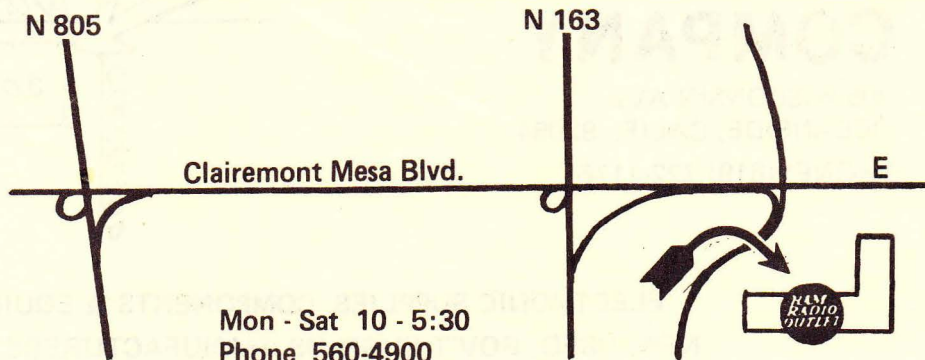
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NOAL	Cassel, Alan	WD6FWE	Johnson, Don	N6KGG	Willis, Lee	K6RY	Hawkins, H. W.
N7AMR	Willett, Allen	K3FWT	Divecchio, Mark	N6KI	Vernacchia, Dennis	KS6S	Rice, Bob
N6AT	Cassen, Frank	W2FWV	Levesque, Will	N6KIM	Sieber, Joan	W6SE	Martin, John
W2AUO	Shaut, Stanley	KD6FY	Belfield, Scott	W6KRH	Elder, Chet	WA6SGK	Martin, Alan
K6AYJ	Nichols, Edith	KA6GHE	Patchel, Judith	N6KVV	Wong, Dennis	K6SLA	Church, Jim
N6BAD	Reber, John	K6GJD	Salter, Bill	N6KWC	Pakus, Paul J.	WB6SLY	Pullen, Clint
WD6BEZ	Gonsett, Judy	N6GNB	Fahnestock, Albert	WA6KZN	Heitser, Bob	WB6SML	Horsan, John
KE6BH	Countruman, Bill	W9GNI	Wittins, Martin J.	W1LE	Hay, Dick	W6SMP	White, Jack
WB6BHE	Harvey, Vanessa	N6GRB	Myers, Jeff	WB6LEH	Riseley, Jim	WA6SVN	Wandschneider, Herb
W6BHF	Dobler, Ray	KA6GRG	Calvert, Chuck	WA6LUX	Garner, Price	NF6T	Young, Ken
K7BHI	Loye, Stan	N6GSS	Cunningham, William	WB6MEI	Hammond, John	WB6TBA	Gates, Bob
KB6BIL	Shifflet, Wm. C.	KG6GW	Ames, Russ	KB6MI	Smith, George	WB6TBQ	McCord, Billy
K6BOM	Piraino, Emil	N6GWJ	Fahnestock, Mickey	KB6MU	Williamson, Paul T.	KB7TD	Dealy Jr., Bill
K6BPT	Skinner, Muriel 'Skip'	WB6GXR	McBride, Willert 'Mac'	K6MXH	Chico, Earl	KF6TF	Tuttle, Dora
WD6BRX	Brouillett, Paul	N6GZI	Ross, Ed	WA6MXM	Hammond, Brian	W6TFB	Hunt, Lloyd
W6BXJ	Coup, Bob	K6HAV	Crossman, Ralph	N6NA	Smith, Marvin	W6THS	Pottbers, Gene
N6CKQ	Broadbent, Louis	W6HC	Hodgson, Charles I.	KF6ND	Wilhelms, Ron	K6TQ	Taylor, Wm. H.
K6CLU	Leak, Earl	W6HCD	Williams, Nash	W6NFG	Nandy, Bill	WB6TQF	Halyburton, Alex
N6COU	Whipple, Bill	K6HE	Sandberg, Sandy	WB6NIG	Breyer, H. D.	W6TZV	Crispell, Hal
WA6DCO	Kilian, Richard	WB6HFE	Rammer, Frank	WB6NIJ	McLaren, David	W6UAP	Young, Fred
W6DEY	Maxson, Roy	WB6HMY	LaPointe, Joe	WA6NNC	Rivera, Bob	WA6UGG	Wilson, Wesley
KB6DNR	De Montestre, Larry	WA6HQM	Copley, Dave	K6NS	Cornell Jr., Marty	W6UUJ	Bartels, Harold
W6DOL	Janssen, Hal	WB6HSZ	Campbell, John	WA6OAR	Hammond, Randy	WB6VYC	Chambless Jr., Burr
KB6DQR	Leonelli, Phil	W6HUJ	Muncey, J. E.	WB6OBH	Mayes, Pete	WA6VYD	Chambless, Burr
N6DSU	Healey, Wilma	WA6HYB	Push, D. C.	WB7OCR	Evans, Lee	K7WLX	Felton, Bob
N6DSX	Healey, Thomas	WA6HYC	Watt, Bill	W6OKG	Glaser, Peter	WA3WOO	Hawkins, James T.
N6DVL	Dempsey, Ralph	KA6HZF	Hoover, Robert S.	W6OLQ	Tentor, John	W6WPO	Priest, Bill
W6DWE	Kirkpatrick, Claude L.	W6HZJ	Krebs, Russ	W6PEU	Garlow, Britt	WA6WQI	Jenkins, Mickey
KA6DWU	Burton, Doc	N6IE	Ferranto, Felix	W6POQ	Kelso, Ted	KZ6X	Buscema, Paul
N6ELP	Crumpton, Dee	N6IES	Mitchell, Ted	K6PP	Horral, Gene	KE6XF	Moore, Wade
N6ENI	Poole, Barry	W6INI	Smith, Art	KD6PP	Krusen, Don	K6YEO	Wallace, Carl
WD6ENK	Faushn, Jim	N6INN	Crossman, Pat	KA6PPD	Heisman, Paul	KA6YJH	Rissen, Judith
WA6ESG	Castagna, Ed	WA6IPD	Rideout, Art	WA6QBO	Williams, Richard	WB6YVT	Golden, Chuck
W6EVL	Nichols, Art	W6IPQ	Chase, Herbert E.	K6QUF	Horrell, Maurice	W6YVV	Burdette, Sam
W6EYP	Lincoln, Warren	WB6IQS	Kuivenen, John	KA6QFF	McCormick, Matt	AD6Z	Rice, Jane
WA6EYX	Way, Ed	W6IRM	Inskeep, Chuck	W6QP	Forbes, Jack	AK6Z	Lee, Gayle
KG6FD	Davis, Michael	W6IUG	West, Richard O.	WA6QQQ	Gonsett, Bob	KD6ZA	Kimball, Chuck
N6FGE	Stiggall, Frank	WA6IWK	Patchel, Herbert	KE6QV	Fay, Charlie	WB6ZJZ	Gibbs, Charley
KG6FK	McCoy, Donald C.	NC6J	Chambers, Bob	WB6R	Stedman, Duane	WA6ZKC	Wolfe, Emily
N6FMK	Bowen, Bill	WA6JCG	Browne, Bob	WB6REF	Martin, Harry	WA6ZKD	Wolfe, Stan
KB6FOR	Hutchins, Frank	W6JLW	Rustin, Charles	K6RF	Cullian, Ted	KD6ZO	McCann, Jack
KB6FOS	Litchman, Tom	W6JSP	Harvey, Floyd	KA6RGG	Buckner, Bill	ASSOC.	Enders, Marlin
KA6FPS	Rohrer, Barbara	N6JTT	Botieff, Dave	K6ROR	Schutze, Phil	ASSOC.	Kavan, Mrs. Edith
W9FQN	Rohrer, Stan	WB6JVS	Rouse, Harry A.	K6RTD	Waynard, George	ASSOC.	Tuttle, George

NAME	CALL	NAME	CALL	NAME	CALL	NAME	CALL
Ames, Russ	KG6GW	Dussault, Don	W6FQV	Inskeep, Chuck	W6IRM	Patchel, Herbert	WA6IWK
Bartels, Harold	W6UUJ	Elder, Chet	W6KRH	Janssen, Hal	W6DOL	Patchel, Judith	KA6GHE
Belfield, Scott	KD6FY	Enders, Marlin	ASSOC.	Jenkins, Mickey	WA6WQI	Piraino, Emil	K6BOM
Botieff, Dave	N6JTT	Evans, Lee	WB7OCR	Johnson, Don	WD6FWE	Poole, Barry	N6ENI
Bowen, Bill	N6FMK	Fahnestock, Albert	N6GNB	Kavan, Mrs. Edith	ASSOC.	Pottbers, Gene	W6THS
Breyer, H. D.	WB6NIG	Fahnestock, Mickey	N6GWJ	Kelso, Ted	W6POQ	Priest, Bill	W6WPO
Broadbent, Louis	N6CKQ	Faushn, Jim	WD6ENK	Kilian, Richard	WA6DCO	Push, D. C.	WA6HYB
Brouillett, Paul	WD6BRX	Fay, Charlie	KE6QV	Kimball, Chuck	KD6ZA	Pullen, Clint	WB6SLY
Browne, Bob	WA6JCG	Felton, Bob	K7WLX	Kirkpatrick, Claude L.	W6DWE	Rammer, Frank	WB6HFE
Buckner, Bill	KA6RGG	Ferranto, Felix	N6IE	Krebs, Russ	W6HZJ	Reber, John	N6BAD
Burdette, Sam	W6YVV	Forbes, Jack	W6QP	Krusen, Don	KD6PP	Rice, Bob	KS6S
Burton, Doc	KA6DWU	Garlow, Britt	W6PEU	Kuivenen, John	WB6IQS	Rice, Jane	AD6Z
Buscema, Paul	KZ6X	Garner, Price	WA6LUX	LaPointe, Joe	WB6HMY	Rideout, Art	WA6IPD
Calvert, Chuck	KA6GRG	Gates, Bob	WB6TBA	Leak, Earl	K6CLU	Rissen, Judith	KA6YJH
Campbell, John	WB6HSZ	Gibbs, Charley	WB6ZJZ	Lee, Gayle	AK6Z	Riseley, Jim	WB6LEH
Cassel, Alan	NOAL	Glaser, Peter	W6OKG	Leonelli, Phil	KB6DQR	Rivera, Bob	WA6NNC
Cassen, Frank	N6AT	Golden, Chuck	WB6YVT	Levesque, Will	W2FWV	Rohrer, Barbara	KA6FPS
Castagna, Ed	WA6ESG	Gonsett, Bob	WA6QQQ	Lincoln, Warren	W6EYP	Rohrer, Stan	W9FQN
Chambers, Bob	NC6J	Gonsett, Judy	WD6BEZ	Litchman, Tom	KB6FOS	Ross, Ed	N6GZI
Chambless, Burr	WA6VYD	Halyburton, Alex	WB6TQF	Loye, Stan	K7BHI	Rouse, Harry A.	WB6JVS
Chambless Jr., Burr	WB6VYC	Hammond, Brian	WA6MXM	Nandy, Bill	W6NFG	Rowlett, Guy	KB6AI
Chase, Herbert E.	W6IPQ	Hammond, John	WB6MEI	Martin, Alan	WA6SGK	Rustin, Charles	W6JLW
Chico, Earl	K6MXM	Hammond, Randy	WA6OAR	Martin, Harry	WB6REF	Salter, Bill	K6GJD
Church, Jim	K6SLA	Harvey, Floyd	W6JSP	Martin, John	W6SE	Sandberg, Sandy	K6HE
Copley, Dave	WA6HQM	Harvey, Vanessa	WB6BHE	Maxson, Roy	W6DEY	Schutze, Phil	K6ROR
Cornell Jr., Marty	K6NS	Hassell, Nathaniel W.	K2RTQ	Mayes, Pete	WB6OBH	Shaut, Stanley	W2AUO
Countruman, Bill	KE6BH	Hawkins, H. W.	K6RY	Waynard, George	K6RTD	Shifflet, Wm. C.	KB6BIL
Coup, Bob	W6BXJ	Hawkins, James T.	WA3WOO	McBride, Willert 'Mac'	WB6GXR	Sieber, Joan	N6KIM
Crispell, Hal	W6TZV	Hay, Dick	W1LE	McCann, Jack	KD6ZO	Skinner, Muriel 'Skip'	K6BPT
Crossman, Pat	N6INN	Healey, Thomas	N6DSX	McCord, Billy	WB6TBQ	Smith, Art	W6INI
Crossman, Ralph	K6HAV	Healey, Wilma	N6DSU	McCormick, Matt	KA6QFF	Smith, George	KB6MI
Crumpton, Dee	N6ELP	Heisman, Paul	KA6PPD	McCoy, Donald C.	KG6FK	Smith, Marvin	N6NA
Cullian, Ted	K6RF	Heitser, Bob	WA6KZN	McLaren, David	WB6NIJ	Stedman, Duane	WB6R
Cunningham, William	N6GSS	Hodgson, Charles I.	W6HC	Mitchell, Ted	N6IES	Stiggall, Frank	N6FGE
Davis, Michael	KG6FD	Hoover, Robert S.	KA6HZF	Moore, Wade	KE6XF	Taylor, Wm. H.	K6TQ
De Montestre, Larry	KB6DNR	Horsan, John	WB6SML	Muncey, J. E.	W6HUJ	Tentor, John	W6OLQ
Dealy Jr., Bill	KB7TD	Horral, Gene	K6PP	Myers, Jeff	N6GRB	Tuttle, Dora	KF6TF
Dempsey, Ralph	N6DVL	Horrell, Maurice	KB6QF	Nichols, Art	W6EVL	Tuttle, George	ASSOC.
Divecchio, Mark	K3FWT	Hunt, Lloyd	W6TFB	Nichols, Edith	K6AYJ	Vernacchia, Dennis	N6KI
Dobler, Ray	W6BHF	Hutchins, Frank	KB6FOR	Pakus, Paul J.	N6KWC	Wallace, Carl	K6YEO





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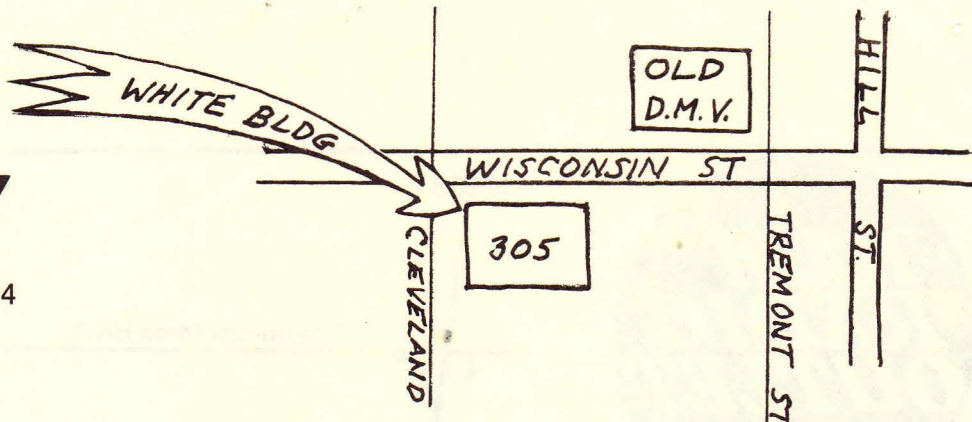
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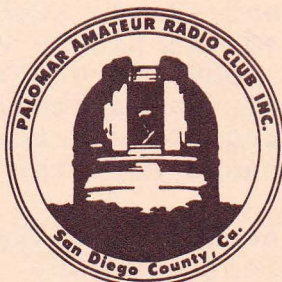
SCOPE - NOVEMBER

John Kuivinen  
WB6IQS 07/85  
P.O. Box 1466  
Vista CA 92083



NORTHERN SAN DIEGO COUNTY

W6NWG  
**Scope**



THE PALOMAR AMATEUR RADIO CLUB, INC.

POST OFFICE BOX 1603  
VISTA, CALIFORNIA 92083-0530

VOL. XXIV, NO., 12

1936 - 1984

DECEMBER, 1984

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member at the same address. Annual SCOPE subscriptions are \$2.50. Membership matters, changes of address, subscription matters, mail to: PARC, P.O. Box 1603, Vista, CA 92083-0530.

SCOPE MATERIAL: The deadline for material for SCOPE is the Wednesday two weeks before the club meeting. Mail to Ralph Crossman, K6HAV, P.O. Box 73, Vista, CA 92083.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. Visitors welcome.

OFFICIAL CLUB BADGES are available from the club Treasurer. Unfortunately, he does require money and also feels it only fitting that you provide him with your name and call sign if you want them on your very own badge (like the big guys have).

TWO REPEATERS, both W6NWG/R, are owned and operated by the Club. One has an input of 146.130 MHz and an output of 146.730 MHz. Input for the other is 444.425 MHz and the output is 449.425. The 450 MHz machine is often on tone squelch (PL 3A). They are both located on the Club's property on Mount Palomar at about 5,600'; and are open repeaters for club members and occasional and transient users.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on 146.730 MHz -600 kHz at 2000 local to handle formal written traffic. Visitors are welcome.

\*\*\*\*\*

DECEMBER CLUB MEETING

THE PROGRAM FOR THE EVENING WILL BE Dr. DX with a much more complete demonstration by Paul Buscema, KZ6X. This is a fascinating thing to watch on the big screen monitor that Paul brings along. We will also have much more time for eyeball QSOs. EVERYONE BRING ALONG A DOZEN OR SO OF THEIR FAVORITE TASTIES FOR A PRE-CHRISTMAS GET TOGETHER.

THE BUSINESS MEETING will feature the election of our slate of officers for 1985.

SHOW AND TELL will feature Paul, WA6EJL, and the DX Edge, the hottest DX aid since sunspots. This gadget shows where the "grey line" is, anywhere in the world, at any time.

SILENT AUCTION: None in December and January.

Great coffee and YOU BRING THE TASTIES FOR A FESTIVE PRE-CHRISTMAS EVENING. COME AND ENJOY IT.

THE PREZ SEZ

Dear members. This is my last time to write to you folks as the Prez so I'll be unusually brief and say thanks to those who have helped me serve the membership. You have all done a good job and I am proud and pleased at our accomplishments thus far.

Please lend a hand whenever Stan, W9FQN, requests it. See you later.

Sincerely,  
Ed Ross, N6GZI

NOVEMBER CLUB MEETING

At the November club meeting, John Kuivinen, WB6IQS, gave us a most interesting travelog on his trip to Peruvian archeological sites.

Show and Tell had a display of Doctor DX running on a C-64 computer by Paul, KZ6X. Ron, KF6ND, showed us the new Kenwood TH-21-AT 2M miniature HT, and Bob, KA6HZF, showed us his home-brew low-cost burglar chasers.

The business meeting approved the minutes and treasurer's report.



Committee reports were heard. Ed, N6GZI, reported that the Nominating Committee had not yet selected a nominee for President, but had selected Larry, KB6DNR, for Vice President; Mike, KG6FD, for Secretary; and John, W6OLQ, for Treasurer. N6GZI showed the plaque which was to be presented to Honorary Member Vern Baumgartner, W6HW, in gratitude for his donation of material for the repeater. N6GZI read acknowledgment and thanks from the Malaysian Amateur Radio Transmitting Society for the receipt of Project Goodwill transceiver kits purchased with the Club's donations of several years ago.

Silent Auction again added to the Club's coffers. Thanks to all those who have donated items for the silent auction. Coffee by Matt, KA6QFF, and tasties by Susan and Linda Rohrer - fine, as usual.

An excellent meeting (even though we didn't win any prizes), with a fine attendance and lots of new faces. The winners laughed and told dirty jokes while the losers said: "Deal the @\$%\*+~# cards."

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome.

AT THE NOVEMBER MEETING: N6GZI announced that the Nominating Committee's slate of officers for 1985 included Stan Rohrer, W9FQN, President; Larry de Montegre, KB6DNR, Vice President; Mike Davis, KG6FD, Secretary; and John Tentor, W6OLQ, Treasurer. N6GZI conducted a discussion of the Club's efforts to get TASMA to act on the problem of the strong encroaching signal on 146.730 MHz from the WA6NUD/K0JPK repeater. N6GZI, W9FQN, and WB6IQS will attend the TASMA meeting on November 16th, at which the PARC item is second on the agenda. K6HAV reported on the delivery of the Club's plaque to Vern Baumgartner, W6HW.

#### JOINT CHRISTMAS PARTY

PARC, EARS, and PARS will again this year hold a joint Christmas party. It will be on Tuesday, December 18 at the Escondido Inn, with Happy Hour from 1800 to 1915, a prize drawing at 1915, and dinner and show starting at 1930. The price is \$13.75 per person. Dress: Semi-formal (coats and ties for OMs and dresses for YLs). Limited seating. See Ed, N6GZI, for tickets. Joyeaux Noel, Felice Navidad, Kurisumasu Omedeto, etc.

#### REPEATER - TOWER

The cable and hardware for mounting the antennae on the new tower have been made up and may very well be, by the time you read this, on the tower. John, WB6IQS, and Stan, W9FQN, hope to have the antennas re-located before the winter weather sets in. Stay tuned!

In connection with the tower, Stan says that we need 5-6 8'-10' fence posts so that we can fence the tower. He would also like to talk to someone who is knowledgeable about trees and shrubs native to the repeater site since we want to landscape the property so that our installation blends in with the rest of the mountain. Stan is also desirous of getting an old car horn and car headlight to be used for security purposes at the site. Call him on W6NWG/R or at 749-0276. Do it before it costs ZUM more!

The 450 MHz repeater has developed an audio problem, which our repeater engineer, WB6IQS, will be looking into. The repeated audio level is very low and is barely audible at normal rx af gain control settings.

#### FORESAIL

(If you think that's a jib, you're not mizzen the point!)

Motorola 120W 136-150.8 MHz base station in rack cabinet. All solid state except for tripler, driver, and final. Has GLB frequency synthesizer for tx/rx frequency control. W/spare tubes and all documentation. An excellent repeater or base station. Call Phil, K6ROR, and make an offer. It's Club-owned equipment to call 724-0098. If the Gint Computer answers, don't hang up - you may do better talking to it.

From the estate of Jim Muncey, W6HUJ: Icom IC-255A 2M xcvr w/Astron pwr supply, \$210; Swan 100MXA miniature hf xcvr w/mike and Cubic PSU-6A 20A 12vdc pwr supply, \$350; National NC-98 general coverage rx, make offer; Dentron 160-10AT Super Tuner, \$65; Heath xtal-contl 2m ht w/charger and lots of xtals, \$65; Heath SB-101 hf xcvr w/pwr supply, \$100; Swan 1200Z desktop hf linear amplifier, \$275; Heath VOM; Lil Bugger keyer; lots of keys and keyers including a Vibroplex; Heath Cantenna, \$20. Call Jim, WD6ENK, at 726-7204.

Clegg 27B 35 watt 146-148 MHz fm xcvr w/manual, \$80. Swan SS200 all solid state hf xcvr w/mike and book, \$200. Icom IC-30 xtal contld 450 MHz fm xcvr w/xtals for W6NWG/R and others. Call Ralph, K6HAV, at 727-5866.



Tempo S-5 2m FM HT w/HM-5 mike, battery charger, and leather case, \$175. Call Don, W6FQV, at 728-1734.

Kenwood TS-820-S hf xcvr w/pwr supply and cw filter. Low mileage, used only one hour and never raced. Will negotiate. Call Ron McDaniels, WA6CFY, at 271-9940.

Robot SSTV monitor Model 70, \$100; Elenco digital multimeter M-1200, \$25; Heathkit digital multimeter model 1212, \$25. Call Bill, N6COU, 758-7163.

Tristao CTL-300 series 54' guyed, crank up tower with base plate and accessories. Tower is down and ready for you to move. A steal at \$200. Call BJ, WB6VYC, or Burr, WA6VYD, at 757-6070.

New 2M Ringo Ranger ARX-2B, \$30. HyGain 18AVT 10-80M vertical antenna, \$65. Call Phil, KB6DQR, at 757-7008.

Heath SB-401 xmtr, Heath SB-303 solid state rx, matching spkr, Shure 444 mike, \$300. Call Steve, KQ6U, at 560-9907.

ICom IC-230 w/manual. By original owner. U-fix, \$25. Alliance Tenna Rotor, mint condx, \$15. Call Dan, WA6HYB, at 433-4445.

Tempo S1 2M FM HT, \$150; Scanvision SSTV monitor and camera, \$150; 2M Ranger antenna, \$10. Call Bryan Selle at 726-6020.

Kenwood TS-520SE 7-band HF xcvr w/MC-50 mike, Heath HM-15 SWR bridge, \$425. 10-40M Mini-Quad w/30' mast, guys, coax, and rotor. Call Charlie, WB6DUS, at 757-0780.

Yaesu FRG 7000 general coverage rx, Radio West modified w/1.9 Collins SSB filter with switch and 4K ceramic AM filter, in mint condx, \$275. Yaesu FT208R w/PL, NC-8 pwr supply, quick charger, and YM-24A speaker-mike, mint condx, \$250. Write Tom Healy, N6DSX, 416 Bonair St., La Jolla, CA 92037.

Kenwood TS-120-S all solid state HF xcvr, \$375. Epson MX-80 printer w/RS 232C interface and Grafrax built in, new condx. Cost \$675, sell \$345 or offer. Delta ultra-sonic burglar alarm, \$45. Call Stan, K7BHI, at 728-2668.

Drake 2B HF rx. Call Bill, K6GJD, at 726-2029.

MFJ Model 721 SSB/CW active filter, \$35. Call Dennis, N6KI, at 271-6079.

WANTED  
(Chloe!)

Schematic for Regency 16-channel programmable scanner ACT-T-16K. Call Earl, K6CLU, at 724-2827.

Mint condx 600 ohm head set. Call Dan, WA6HYB, at 433-4445.

Lightweight two or three element tri-band beam. 160M linear amplifier. ICom IC-22A in working condx and/or other xtal controlled solid state rig. Drake FS-4 frequency synthesizer. Manual/schematic for Atronics code reader (early model). Call Dennis, N6KI, at 271-6079.

\*\*\*\*\*

NORTH COUNTY AMATEUR LICENSE EXAMINATIONS are conducted at Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista on the second Saturday of every month from 1000 to 1600.

License exams are also given at Normal Heights United Methodist Church, 4560 Mansfield St., San Diego on the 1st Saturday; at St. Timothy's Lutheran Church, 2605 Morningside Dr., San Diego on the 3rd Saturday; and at Bostonia Recreation Center, 1049 Bostonia St., El Cajon on the 4th Saturday. No exams on the 5th Saturday.

Applicants for examination at any of the San Diego County locations must send a completed, signed, NEW Form 610 and a copy of their license, if any, to SANDARC-VEC, Post Office Box 5023, La Mesa, CA 92014 ten days prior to the testing date. New 610s may be obtained from the FCC. Applicants must bring their original license with them on the day of the exam.

ELECTRONICALLY ORIENTED FLEA MARTS ARE:

Ham radio-computer-electronics swap meet in the San Diego Stadium parking lot 0700-1100 on the first Saturday of the month.

The TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month (except in June when it's on the preceeding Saturday due to Field Day) from 0800 to 1100. Talk-in is on 145.320 MHz simplex.

The ORANGE COUNTY ham-computer-electronics swap meet takes place starting at 0700 on the 2nd Saturday of the month at Orange Coast College across from the fairgrounds in Costa Mesa. \$5 for sellers, free for buyers. Talk-in on 147.090 +600.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. See ad in this issue. Aluminum, brass, copper stock at Escondido Sales yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive to TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. Contact any Club officer or Stan, W9FQN to make arrangements to unload your excess KWM-380 or IC-751.

\*\*\*\*\*



FROM THE ARRL LETTER

Latest 6th District call signs issued as of October 1st: WC6Q, KG6LN, N6LDA, and KB6GMJ.

The date for filing comments on PRB-1 has been extended, at ARRL request, to 12/24/84. EVERY RADIO AMATEUR SHOULD COMMENT IN SUPPORT OF PRB-1, ASKING THE FCC TO ISSUE A DECLARATORY RULING PREEMPTING LOCAL ZONING BODIES FROM ENACTING OVERLY RESTRICTIVE ANTENNA ORDINANCES. The first page of any filing with the FCC should state, in the heading, "Comments in Response to PRB-1". Send an original and four copies to: The Secretary, FCC, Washington, D.C. 20554. Comments should iterate any experience you have had with antenna restrictions, and time and expenses incident thereto. If the FCC denies the ARRL's request, there is the danger that local authorities will be emboldened to increase regulatory pressure on amateur radio. We URGENTLY need the FCC to act favorably in this matter. WRITE!!

DOWN THE TOOBE

Ed, N6GZI; Stan, W9FQN, and John, WB6IQS; travelled to Anaheim on the night of Friday, November 16, to attend a meeting of TASMA, the frequency coordinating organization for 2m repeaters, to present to TASMA the problem with the strong signal on 146.730 MHz which the repeater K0JPK, puts into San Diego County. TASMA heard the PARC agenda item and will attempt to resolve it by establishing communications with K0JPK, something that has been impossible to do by other means. The PARC complaint was thoroughly documented by reports from stations throughout the County. Hopefully, the problem can be resolved at the amateur-to-amateur level. A full report will be made to the Club at the December meeting. Meanwhile, please continue to log, with dates, times, signal strengths, and your location, the signals you hear from K0JPK/R, the former WA6NUD/R.

To correct the item in the November Scope, please note that Jim Muncey, W6HUJ, became a silent key October 21 vice June 21.

Congratulations to Jack Williams, W6BLI, a charter PARC member, who retired from Hughes on November 2.

Dora, KF6TF, is safely in residence in Mesa, AZ and, thanks to the help of local hams, is back on the air on 2m and the hf bands. She sends regards to all of her friends over here in north county.

The new Kenwood TH-21AT 2m handi-talkie is sure a cutie. The radio can be concealed in your hand or fits nicely in a shirt pocket. That small with one watt or 150 mW output capability! It doesn't have all the bells and whistles of the bigger HTs, but it only costs about \$.2K, considerably less than the high priced spreads.

Ray, WA6LUX, sent us a copy of Monitoring Times, a newspaper-type periodical with all sorts of info gleaned from listening. It is a very interesting publication, which we'll have on display at the December club meeting. If you do a lot of SWL-ing or use a scanner, this may be the publication for you. Keep those cards and letters coming, Ray. Thanks.

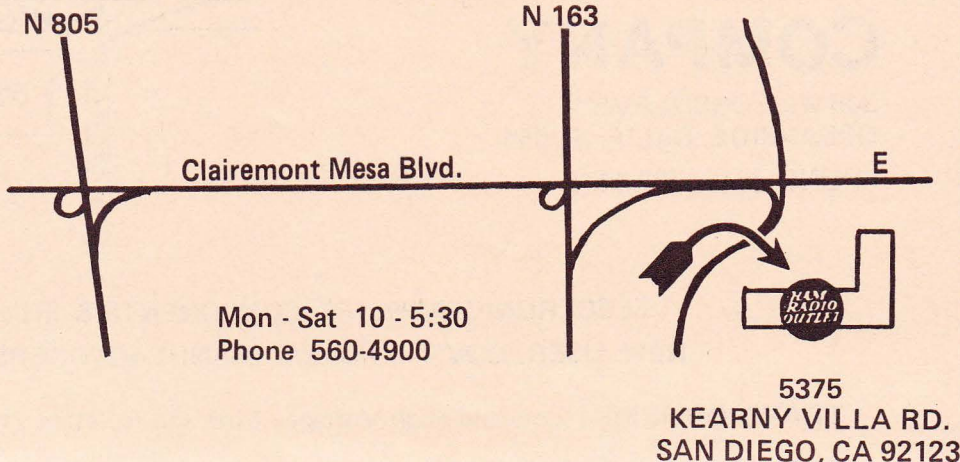
Pat, N6INN, and Ralph, K6HAV, visited Vern, W6HW, at his Oxnard QTH and, for the Club, presented him with an engraved plaque, by which the Club tried to convey its thanks to Vern for the donation of over \$600-worth of Heliac and fittings. Some future issue will have pictures - if they turn out ok.

N6GZI, KB6DNR, and W9FQN were heard busily at work mounting the new Heliac and antenna hardware on the new tower on Tuesday, November 20, as this was going to press. With this work done, can antenna installation be far behind?

Emily, WA6ZKC, is off the air on hf since she broke her transceiver. Maybe Santa will bring her a gnu one or get the present one fixed.

"That's all", she wrote.





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ICOM IC-2AT/3AT/4AT . . . Great prices on these . . . . .  
ICOM IC-02AT, KENWOOD TR-2600A, YAESU FT-209RH . . . Newest  
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them here . . . Great prices!

GLENN K6NA  
TOM KM6K

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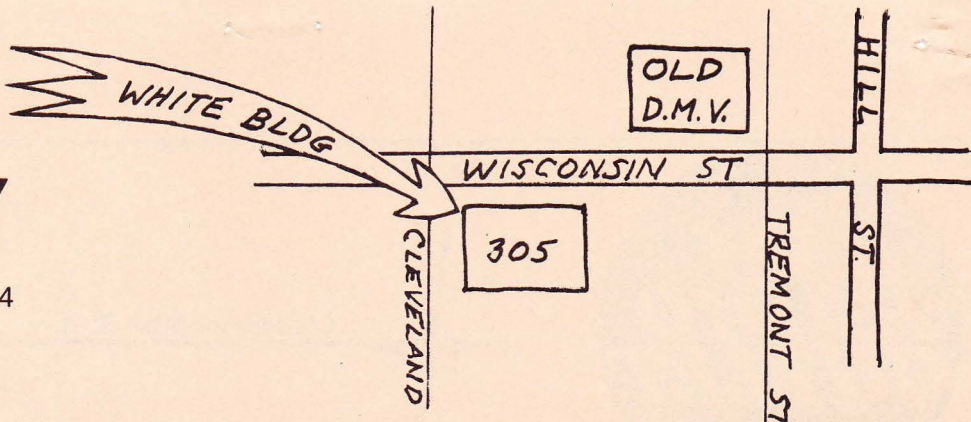
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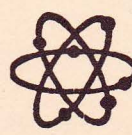
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