NORTHERN SAN DIEGO COUNTY

W6NWG

Scope

VOL. XVIV, NO., 1

1936 - 1983

JANUARY, 1984

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

PRESIDENT: Ed Ross, N6GZI, San Diego
VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook
SECRETARY: Billy McCord, WB6TBQ, Vista
TREA$URER: 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, voterd 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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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 Trea$urer. 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 interferring 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 Trea$urer's report was read and approved. Election of officers for 1984 was held. Nominations from the floor were Bob Hoover, KA6HZF, President; and Stan Rohrer, W9FQN, Vice President. Both nominations were declined. The Slate of officers nominated by the Nominating Committee was elected unanimously. It is as follows: President, Ed Ross, N6GZI; Vice President, Bill Cunningham, N6GSS; Secretary, Billy McCord, WB6TBQ; Trea$urer, 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.

Innumberable 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, N6DYO: 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 $72. Make checks payable to the PARC and get them to Trea$urer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will jump for joy and $peed to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS 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 Oseanside, 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".

RATES
$5/MONTH/CARD
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SCOPE USPS 076530, published monthly by the PALOMAR AMATEUR RADIO CLUB, INC., 3716 Bluebird Canyon Rd., Vista, CA 92083. Subscription: $2.50 per year. Second Class Postage paid at Vista, CA 92083. POSTMASTER: Send changes to: SCOPE, P.O. Box 1603, Vista, CA 92083-0530

2nd Class Postage paid at Vista, CA 92083



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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 avocadoes 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

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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!

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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 turner 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.

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.

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!)

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.

Dead or alive. ICom IC-22A. 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 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 $72. Make checks payable to the PARC and get them to Trea$urer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will leap with alactrity and $peed to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS 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. 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. 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 committments 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 windsnield 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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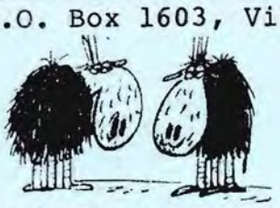
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SCOPE USPS 076530, published monthly by the PALOMAR AMATEUR RADIO CLUB, INC., 3716 Bluebird Canyon Rd., Vista, CA 92083. Subscription: $2.50 per year. Second Class Postage paid at Vista, CA 92083. POSTMASTER: Send changes to: SCOPE, P.O. Box 1603, Vista, CA 92083-0530

2nd Class Postage paid at Vista, CA 92083



Don Johnson
WD6FWE 07/84
3140 Lincoln ST
Carlsbad CA 92008

NORTHERN SAN DIEGO COUNTY

W6NWG

Scope

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

VOL. XVIV, NO., 7 | 1936 - 1984 | JULY, 1984

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

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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. 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 Trea$urer. 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 interferring 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, xlnt 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 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 $72. Make checks payable to the PARC and get them to Trea$urer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will leap with alacrity and $peed 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, their is probably no propagation. The slot schedule, calls, and locations follow:

Minute of 10-minute cycle	Call	Location
Ø	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-Ø782 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 NG84O 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/FOØILE and W6MI equipment. Possible OSCAR 1Ø. 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, NØAL, 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.

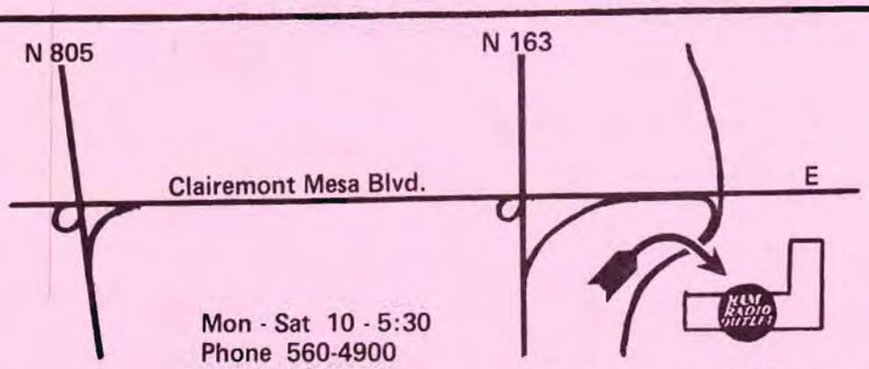
Sure nice to see Bill Taylor, K6TQ, back as a club member. Bill's one of Vista's old time hams and an Elmer to a whole flock of folks. Presently, Bill is hooked on working through the satellites.

"That's all", she wrote.



Shawn decided to stay with c.w. after one try at phone

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While browsing . . don't forget to see the CW/RITTY set-up using the VIC-20 and the AEA interface. Let us demonstrate this fascinating mode for you.

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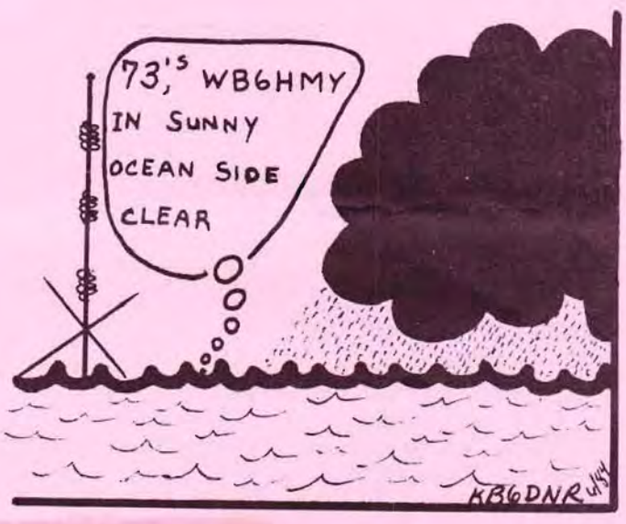
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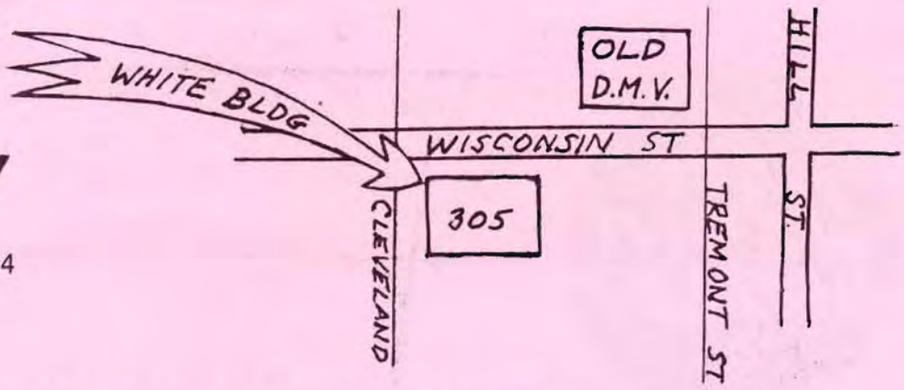
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Store Manager

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