



W6NWX

Scope

VOL. XVIII, NO., 1

1936-1982

JANUARY, 1983

PRESIDENT: Bob Clark, N6DYO, Oceanside
VICE PRESIDENT: Ed Ross, N6GZI, San Diego
SECRETARY: Billy McCord, WB6TBQ, Vista
TREASURER: John Tentor, W6OLQ, San Diego
EDITOR: Ralph Crossman, K6HAV, Vista

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MEMBERSHIP

Membership in the Palomar Amateur Radio Club is \$12 a year with no initiation fee, and includes a whole action-packed year of SCOPE - like it or not. Family memberships are \$12 for the first family member and \$9.50 for each subsequent family member living at the same address. Weird folks who actually WANT to get the SCOPE without benefit of club membership may do so by popping for a whole year of it for \$2.50 - more, a whole lot more, if you have to have it in plain brown wrapper.

Make checks payable to the PALOMAR AMATEUR RADIO CLUB, INC., and get them to our Treasurer at the address above, or hand them to him. Each attendance gets you a ticket for the picnic prize drawing.

JANUARY CLUB MEETING

The January meeting of the Palomar Amateur Radio Club will, no doubt, probably take place in the Community Room of Glendale Federal Savings and Loan at the corner of Anza, Vale Terrace, and East Vista Way at 7:30 of the evening on the fifth (of January - hopefully). Our speaker for the evening will be June Alonso Butler from the San Diego office of the FCC. She will speak on P.L. 97-239 (the Goldwater Bill), amateur radio, and you. Questions of a GENERAL nature are encouraged. This should be a most interesting evening as the guest speaker is most knowledgeable, and very sharp.

DECEMBER CLUB MEETING

We had a quorum - by the skin of our teeth - and managed to elect our Nominating Committee's slate of officers (see that fine body of folks as listed in the masthead).

A motion was passed authorizing the use of the Club call sign in the 10M contest on 11-12 December.

The Club passed a motion, which was made by Fred, WA6KEY, directing the Executive Committee to take action, and present to the Club a recommendation that the Club support other activities in addition to 2M, with the amount of financial support to be set by the Executive Committee.

Mickey, WA6WQI, passed the gavel to newly elected Bob Clark, N6DYO, and thanked the club for its support during her tenure.

Bob, N6DYO, thanked the outgoing officers, and noted the 12 years of service of Jim Church, K6\$LA as Treasurer.

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at Sambo's on West Broadway, just east of Melrose in Weestful Veesta. Club members are welcome to observe - quietly, and with complete (or nearly complete) decorum.

At the December meeting: Bob, N6DYO, listed the membership of the Committee and outlined the subjects he wanted considered by the Committee, including constitutional revision, improving RDF capabilities, improved publicity, the scholarship program, picnic plans, recruiting new members, and publication of a club roster. A grand time was had by all.

PREZZ RELEASE

Tx for your vote of confidence in the recent club election. We'll try to give you our best effort in the coming months. I look forward to your positive reaction to whatever needs to be done to keep our great club rolling along. And if you are called upon to serve on a committee, step right up with a smile and serve. Remember, it's easy to do nothing and the reward will never be controversial.

Get your thinking caps on and send us some suggestions for better special events like FIELD DAY, SWEEPSTAKES, ANNUAL PICNIC, MONTHLY PROGRAMS, PRIZE TABLE, REFRESHMENTS, ELMER PROGRAMS, just anything you think would improve our club and make more members happier and healthier.

COMPOSITION OF THE EXECUTIVE COMMITTEE AND SANDARC REPS

Bob, N6DYO, has announced that the Executive Committee for 1983 will consist of the Club officers, as specified in the Constitution, and the following members:

Paul Buscema, WA6OLI, Chairman, Prize Committee
Joe LaPointe, WB6HMY, Manager, North County Traffic Net
Ralph Crossman, K6HAV, Editor, The SCOPE
Matt McCormick, KA6QFF, Chairman, Refreshments Committee
Don Johnson, WD6FWE, Chairman, Interference Committee
John Kuivinen, WB6IQS, Repeater and Technical Committee
Le\$ Clark, W6J\$L, Repeater and Technical Committee
Walt Lockhart, W6SCI, Repeater and Technical Committee
Jim Church, K6\$LA, Member at Large (Tall??)
Mickey Jenkins, WA6WQI, Member at Large

Bob has also appointed the following members as the Club's Representatives to the San Diego Amateur Radio Council: Ed Ross, N6GZI and Boyd Casey, KA6CRI, Representatives; and Bob Clark, N6DYO, alternate.

REPEATERS

The Palomar Amateur Radio Club owns and operates two repeaters, both of them W6NWG, on Mount Palomar at about 5,600'. One is a two meter FM repeater with an input of 146.130 MHz, and an output of 146.730 MHz. The other is a 450 MHz machine with an input frequency of 444.425 MHz and an output of 449.425 MHz. They are for club members and occasional transient users.

John Kuivinen (with a K, not a Q), WB6IQS, is our Repeater Committee Chairman. John reminds us all that the hum we hear degrading the signal of the 2M machine is probably not a bad power supply capacitor, but indicates that the repeater is on emergency battery power, and that it should be used only sparingly. On emergency power it will operate 2-3 days with light use or one day with heavy use. "Kerchunking" uses valuable battery power and should be avoided.

Co-located with W6NWG on Mount Palomar is WD6HFR, an open, carrier operated repeater of the 220 Club of San Diego. The 220 Club kindly extends operating privileges on WD6HFR to PARC members. The input is 223.300 MHz and the output is 224.900 MHz.

FLEA MARKET

Electronic-oriented flea marts in operation are the ones in San Diego 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 Boulevard in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. TRW talk-in on 145.32 MHz simplex.

NORTH COUNTY TRAFFIC NET

The Club's North County Traffic Net meets on W6NWG nightly at 2000 local to handle written traffic. No net on club meeting night. If you wish to be added to the roll of a particular net, make your request to that net's NCS. Our net manager is Joe, WB6HMY. Joe says that he needs more volunteers for NCS. List traffic and give Presidents.

WEATHER REPORTS

Joe, WB6HMY, says that even though the sun's shining on the inskirts of Oceanside, those of us in the rainy portion of the county should not neglect to make our rain reports to John, K6QCW, or to Joe at 1045 of the a.m.

Rain reports should state the amount of rain fallen in the 24-hour period 1100-1100 and your location (such as north San Marcos or east Oceanside - not Thomas Brothers Map coordinates). The NWS is not interested in "storm totals", just the 24-hour period 1100-1100. Try it. You'll like it.

BADGES

The previously described John Tentor will be glad to take your \$\$\$\$ at the meeting so that he can order you an OFFICIAL Palomar Amateur Radio Club badge from the Cheapy Badge Company. If you are fairly certain, let John know who in the blue-eyed world you are and he can order your badge with your very own name and call sign on it, just like the Big Guys have. It will make Old John cackle with joyous greed just to see the color of your MONEY.

John still has badges anxiously awaiting their owners, who are: WD6ATX, W2AUO, WD6CLG, N6DRX, WD6ENI, N6GCI, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and Charlotte. If you're not really sure of yourself but would still like a badge, John just might let these badges go at veery rea\$onable price\$.

LICENSE EXPIRATIONS

1/83: N6AYQ, W6JSP, and WB6HFE. 2/83: WD6ENJ, W6OKG, WB6CYX, and WA6ZKC. 3/83: WA6QQQ, WB6IQS, WB6NIJ, WD6AOL, AD6Z, K6BPT, K6UZ, and WA6ZKD.

FORESAIL

(Holy bowsprits, that's a Jib, son)

There is NO charge for personal ads of Club members in SCOPE.

54' Tristao-three section crank-up guyed tower w/rotor, Ringo, and heavy guy cables and associated hardware. Drake W4 wattmeter. Following is all Yaesu: FT101 10-160M xcvr w/manual; FT101B 10-160M xcvr w/manual, mike. FV101B external VFO; FL2100B linear amp; SP101P Landliner phone patch and speaker; FT221R 2M SSB, FM, . AM, CW xcvr. Call Bob, N6DYO, at 439-7058.

Kenwood TS-180-S HF SSB/CW solid state xcvr w/DF-180 memory unit and mike. In excellent condx. 12A pwr supply. Call Dora, N6GGW, at 489-1325.

HD-73 antenna rotator. Used one year, \$25. Call Dick, W1LE, at 487-6058.

Azden PCS2000 2M xcvr w/remote cabling. Atlas 210X limited edition w/A.C. power supply, AFC unit, DD-6 digital dial, and mobile cable. AN/URM 25D 10kHz-50mHz signal generator. Hewlett Packard 201CR audio generator. Tektronic 465 scope w/digital VM. And other good stuff. Call Le\$, W6J\$L, at 726-1313.

Complete working computer system: SWTPC 6800 running at 2 MHz w/40K static memory, 1 serial and 2 parallel ports; dual mini floppy drives; 16 X 64 terminal. Software includes: OS, editor, assembler, text processor, Random BASIC, small data base manager, and games. \$999. Call Bob, K7WLX, at 729-5519 (hp) or 714-493-8181 (wp).

Collins 75A-4 rx w/.5, 1.5, and 3 kHz mechanical filters, vernier dial, and book. In excellent shape. Call Art, W6EVL, at 728-1717.

Millen Transmatch, Jr. 92201 antenna tuner rated at 250W. Ideal for solid state finals. Reasonable. Call Frank, N6AT, at 728-8003.

Heath HW-100 HF xcvr & pwr supply, \$150. Heath HM-15 SWR meter, \$25. Electrovoice 638 dynamic Hi-Z mike with PTT, \$35. Curtis EK-430 keyer, \$75. Vibroplex chrome Vibro-Keyer, \$40. Hallicrafters HA-1 TO keyer, \$30. Murch UT2000A antenna tuner, \$85. Lafayette 99-50973 VOM, \$20. Heath GD-1B GDO, \$10. Call Harry, W6TCI, at 724-3471.

New, never used Dentron MLA 2500 linear amp w/pair of 746s. Call Jack, WA6CWG, after Nov. 1, at 747-7157.

Yaesu FT-207R 2M HT, like new, just factory realigned, w/new battery, wall charger (so who wants to charge a wall, already?), desk-top Quick Charger NC-2. Complete for \$250. VoCom 2M amplifier, 2W in - 25W out. Like new, \$60. Drake TR-22 2M xcvr w/nicads, mike, AC/DC cords, \$65. Home brewed antenna tuner w/roller inductor, 80M-10M, will handle full KW, \$75. Call Ru\$\$, W6HZJ, at 728-8925.

Hustler 4BTV vertical antenna 10M-75M, DSI frequency counter, Swan WM-1500 wattmeter. Call Herb, WA6SVN, at 722-2803.

Lots of junque 4sail and giveaway ASAP. You name it, I've probably got it. B&W 5100, BC-610, Heath HW16, tubes, resistors and transistors. Call any evening. Don, WD6FWE, 729-1921. No charge for looking.

WANTED

(Start houted men)

Contact with anyone using the Timex Sinclair computer. Call Stan, W9FQN, at 749-0276.

50' tower. Call Lou Grill, WB6CQA, at 727-2368.

Used, serviceable digital display unit for Atlas 210X transceiver with 5520 kHz i.f. Call Art Grant, N6GKA, at 725-4364 0800-1600 or on W6NWX after the North County Traffic Net.

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-ington (CT 06111, that is), and it won't cost you even an additional red centime or peseta more. The ARRL tab is \$25 per year. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to our new Treasurer, John, W6OLQ.

ARRL BULLETINS OF INTEREST

(Unquestionably)

None to speak of, that haven't already been spoken of, according to N6AT.

BILL GAY, WA6PNY, SILENT KEY

Bill Gay, WA6PNY, a former club member, is reported to have become a silent key on December 12, after a long fight with cancer. Bill will be missed greatly by those who knew him.

SWEEPSTAKES RESULTS

Ed, N6GZI, reports that the following club members, operating W6NWG, scored 145,834 points based on 284 cw and 803 phone contacts: KF6BL, W6DWK, W9FQN, KA6FPS, WD6FWE, N6GZI, N4HZK, WA6JCK, KM6K, K6NS, WA6OLI, W6OLQ, AD6Z, and KS6Z.

SICK CALL

Max, W6DEY, is home from the hospital after surgery at Tri-City West. We hear that he's out and about according to Marty, K6NS.

Jack, W6BLL, is likewise out of durance vile, and attended the last club meeting.

Pat Crossman is getting around at home via wheelchair, walker, crutches veery carefully, as the medicos did not pin her broken hip before they tossed her out into the croool uninstitutionalized world. She says thanks to all for your thoughts, cards, and visits.

SEASONED GREETINGS

(That's with a little Basil and Oregano)

Hope you all had a fine Christmas; and that you have a healthy and prosperous 1983.

DOWN THE TOOBE

We note that our new Treaşurer, W6OLQ, is also the new VP of the Escondido Amateur Radio Club. Understand that John is knitting for the boys overseas in his spare time.

Stan, W9FQN, is planning a new tower to arise amid the avocados. Good luck in the contest. Stan says: "Shut up and keep on digging!"

Martin, K6NS, has disappeared into Texas, so we hear - even though we told him that you can't get there from here.

Phil, K6ROR, has broken his new 450 MHz rig. Fortunately it was still under warranty - even if it takes 12 weeks.

What in the blue-eyed-world is a "ham number"?? We hear this term used repeatedly on our North County Traffic Net, but we can't find any reference to it in Part 96 of the Regulations or in other ham literature.

John, WB6HSZ, has a new quatro-band beam up and running, he says. Glad it fills the bill.

Le\$, W6J\$L, says that he hasn't sold his 2M rig, he's just forgotten where the ON switch is. He says he's heard from Hod, W6UCN, who, of course, has turned into a Texican in downtown Marshall, between Shreveport and Tyler. Hod and Bess are still among the quick, according to Le\$, and send greetings to their friends in the area.

The L.A. Times, on Sunday, December 12, had about a half a page on amateur radio in an excellent article written by Peter N. Spotts, N1ABS, of the Christian Science Monitor. Spotts' article discusses ham radio in some depth, comparing it with CB without going into the gory details of CB; and covers many of the more fascinating aspects of amateur radio and its effects on the production of the people needed in our modern high tech society of computers, satellites, etc.

We noticed the Christmas greeting of original club member Fred Elzer, KH6CZ, in the classified ad section of QST. The best of the season's greetings to you Fred, and to the rest of the surviving plank owners.

"That's all", she wrote.

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Don Johnson
WD6FWE 07/83
3140 Lincoln St
Carlsbad CA



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FEBRUARY CLUB MEETING

The February meeting of the Palomar Amateur Radio Club will, no doubt, probably take place in the Community Room of Glendale Federal Savings and Loan at the corner of Anza, Vale Terrace, and East Vista Way at 7:30 of the evening on the second (of February - with any luck at all). Our speaker for the evening will be our own Franklin Cassen, N6AT, from the inskirts of Fallbrook, who will tell us all we ever wanted to know about the National Traffic System, because Frank knows a batch about it.

JANUARY CLUB MEETING

At our January meeting, Hal Grigsby, Engineer in Charge of the San Diego Office of the FCC gave us a most informative talk on the status of the implementation of the new legislation deregulating the Amateur Service. His talk was most informative and called for greater cooperation from the Amateur Service in maintaining the secrecy of joint amateur-FCC attempts to track down the bad guys, who are much too frequently tipped off when the FCC Field Offices start to get into the picture. Mr. Grigsby made a very favorable impression, and answered a lot of questions. He also parried some which had NO bearing on FCC jurisdiction. There are always a few . . .

A dandy meeting with 62 present. The Club voted in favor of the SANDARC proposal to purchase, from SANDARC funds, a display unit to be used at the SANDARC booth at the fair and other public displays of amateur radio.

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at a place to be announced. Club members are welcome to observe - quietly, and with the reserve for which we amateurs are noted.

At the January meeting: The Committee met at Bob's Big Boy instead of Sambo's which failed to provide the room for the meeting. Service and the hot fudge sundaes at Bob's were excellent. The Committee voted to expend \$100 to procure space for the Club's annual picnic in San Dieguito Park.

PREZZ RELEASE

Little things mean a lot - like taking a short pause between transmissions on the repeater - perhaps long enough to let a frustrated mobile get his call in for assistance. Our machine has an excellent reputation. Let's keep it that way. If one of our repeater monitors happens to call it to your attention, just accept the suggestion and remember to "Pause before engaging your Jause". . . . 73 de N6DYO

REPEATERS

The Palomar Amateur Radio Club owns and operates two repeaters, both of them W6NWX, on Mount Palomar at about 5,600'. One is a two meter FM repeater with an input of 146.130 MHz, and an output of 146.730 MHz. The other is a 450 MHz machine with an input frequency of 444.425 MHz and an output of 449.425 MHz. They are for club members and occasional and

transient users.

CONTROL OPERATORS TAKE NOTE! At our January meeting, Mr. Grigsby, Engineer in Charge of the FCC's San Diego office pointed out that the Commission has reaffirmed that the licensee is responsible for the operation of his station as per Section 310 of the Regulations. Thus the repeater licensee is not relieved of the responsibility for what that repeater transmits just because the offending transmission is originated by another station and is simply "repeated by the repeater. If it goes over the repeater, the originating station and the repeater station are responsible.

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Electronic-oriented flea marts in operation are the ones in San Diego 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 Boulevard 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 18th. TRW talk-in on 145.32 MHz simplex.

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Guy, KB6AI, reminds us that once we have "Roger" for a piece of traffic it is our responsibility to relay, deliver, or when undeliverable, originate a service message to the originating station. We MUST NOT expect the station from whom we received the traffic to originate the service (although that station might be able to accept for relay the service message YOU have originated). Once you "Roger" for it, it's your baby!!

Net control stations can and should control WHO gets the traffic. It really is difficult to keep stations in Ramona and Poway interested in checking in with regularity when their traffic is taken by stations in Escondido or San Marcos because they are earlier on the roll call. We do appreciate the ability of some stations to cover all bases, and it's very handy when stations in those locations DON'T check in, but let's spread it around and keep everyone's interest. Net control stations should control the traffic on their nets so that everyone gets to help with traffic.

WEATHER REPORTS

Joe, WB6HMY, says that even though the sun's shining on the inskirts of Oceanside, those of us in the rainy portion of the county should not neglect to make our rain reports to John, K6QCW, or to Joe at 1045 of the a.m.

Rain reports should state the amount of rain fallen in the 24-hour period 1100-1100 and your location (such as north San Marcos or east Oceanside - not Thomas Brothers Map coordinates). The NWS is not interested in "storm totals", just the 24-hour period 1100-1100. So we haven't had much rain. Stick around and keep those gauges with the open side up.

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FORESAIL

(Holy bowsprits, that's a Jib, son)

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All Heathkit: HW-101 HF xcvr, HR-1680 ham HF rx, PS-23 pwr supply for HW-101, HS-1661 spkr, all w/books and in xclnt condx, never raced. Unreasonable offers considered - momentarily, anyway. Call Brian KF6BL, at 433-4293.

54' Tristao-three section crank-up guyed tower w/rotor, Ringo, and heavy guy cables and associated hardware. Drake W4 wattmeter. Following is all Yaesu: FT101 10-160M xcvr w/manual; FT101B 10-160M xcvr w/manual, mike. FV101B external VFO; FL2100B linear amp; SP101P Landliner phone patch and speaker. Call Bob, N6DYO, at 439-7058.

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Complete working computer system: SWTPC 6800 running at 2 MHz w/40K static memory, 1 serial and 2 parallel ports; dual mini floppy drives; 16 X 64 terminal. Software includes: OS, editor, assembler, text processor, Random BASIC, small data base manager, and games. \$999. Call Bob, K7WLX, at 729-5519 (hp) or 714-493-8181 (wp).

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Lots of junk 4sail and giveaway ASAP. You name it, I've probably got it. B&W 5100, BC-610, Heath HW16, tubes, resistors and transistors. Call any evening. Don, WD6FWE, 729-1921. Almost no charge for looking.

Damaged but repairable 2 elm 10-20M Gem Quad, free to good home. Call John, WB6HSZ, at 724-1764.

Swan 260 Signet 270W HF xcvr, a.c./d.c., like new. Call Joe, W6LJF, at 721-4763 (HP) or 439-1188 (OP).

WANTED

(Start houted men)

TV-502S transverter to fit my TS 520 S. Will pay anything as long as it's cheep, cheep, cheep. Call Barry, N6ENI, at 724-3551.

Swan digital dial Model DD6C for Swan 500 in good condition ('s hard to figure why he wants to tell us the condx of his Swan. Better he should get a late model turkey as Swans are endangered species.) Anyway, call Ru\$\$, W6HZJ, at 728-8925.

Contact with anyone using the Timex Sinclair computer. Call Stan, W9FQN, at 749-0276.

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-ington (CT 06111, that is), and it won't cost you even an additional red centime or peseta more. The ARRL tab is \$25 per year. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to our Treasurer, John, W6OLQ.

ARRL BULLETINS OF INTEREST

(Unquestionably)

Bulletin 114 of December 22 said: On Tuesday, December 21, the Senate approved Treaty Document 97 21, thus consenting to ratification of the Final Acts of the 1979 World Administrative Conference. This represented

the last major hurdle for implementation in the United States of the WARC 79 agreements. President Reagan is expected to sign the document without delay. FCC release of its proposals for WARC implementation, as a Notice of Proposed Rule Making in Docket 80 739, is expected any day.

Bulletin 3 of January 5 said: The ARRL is sponsoring a second amateur radio computer networking conference on March 19 in San Francisco. Technical papers are invited on all aspects of amateur packet radio, advanced radiotelegraph including amtor, and related amateur radio digital communications via HF, VHF, UHF, and satellite media. For more information, contact Paul Rinaldo, W4RI, 1524 Springvale Ave, McLean, VA 22101.

Bulletin 6 of January 12 said: Amateurs are reminded that the ARRL National Traffic System can handle international traffic with countries with which such traffic is permitted, via a special liaison schedule with the international assistance and traffic net. Such traffic at any level of the system should be routed to the eastern area net, EAN, cycle four session, where it will be dispatched to the designated liaison station. Before entering any international traffic into the system, check the latest list of third party agreements on page 96 of November 1982 QST.

Thanks to Frank, N6AT, for the bulletins.

CONDOLENCES TO W6KVR

The Club sends its condolences to member Keith Cordrey, W6KVR, who lost his wife, Florence, on November 24. We're sorry to hear it, Keith.

SICK CALL

Our new president, Bob Clark, N6DYO, turned himself into the hospital at Camp Pendleton Tuesday, the 18th, with a defective heart valve, which both Bob and his XYL described as sounding like a frog on a lily pad. The folks at Pendleton took one listen and transferred Bob to the hospital in Balboa Park, San Diego. He's looking forward to more open-heart surgery about the time this goes to the postal authorities. At press time Bob's address was: Robert Clark, Ward 2B, Cardiac Care, Naval Regional Medical Center, San Diego, CA 92134.

Max, W6DEY, is undergoing radiation therapy, so we hear.

DOWN THE TOOBE

Listening to the mess on 7255 makes you wonder why you went to the trouble of getting your ticket. More important, it shows what happens when jammers are not ignored, but are given what they so obviously seek - recognition! ANY recognition, no matter how slight, just stirs up a bigger fuss. Our club members do a very good job of totally ignoring the "funny folk" on the repeater. Now, if we could just get the message through to the occasional transient users and the habitual freeloaders.....

Brian, KF6BL, is cutting quite a swath through the DX on 75M after dark lately. Must be the new rig that he's got.

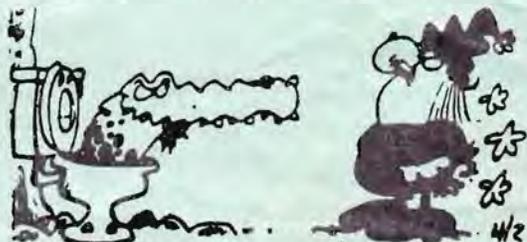
If you repeater users haven't read the article on page 65 of the January, 1983 QST, we recommend you hop to it. It's been mentioned before in this newsletter, with the reminder that not all listeners are hams. Lots of programmable scanners (and some stolen ham rigs) around. We've had this proved to us a time or two when FRIENDLY non-ham listeners called with tips on how to solve some problem or other. DISCRETION PLEASE!!

Stan, W9FQN, says that it's easier to cut off than to dig up - especially when what you're digging up is a freestanding tower base.

"That's all", she wrote.

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Don Johnson
WD6FWE 07/83
3140 Lincoln ST
Carlsbad CA 92008

W6NWX

Scope



VOL. XVIII, NO., 3

1936 - 1983

MARCH, 1983

PRESIDENT: Bob Clark, N6DYO, Oceanside
VICE PRESIDENT: Ed Ross, N6GZI, San Diego
SECRETARY: Billy McCord, WB6TBQ, Vista
TREASURER: John Tentor, W6OLQ, San Diego
EDITOR: Ralph Crossman, K6HAV, Vista

+++++

MEMBERSHIP

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Make checks payable to the PALOMAR AMATEUR RADIO CLUB, INC., and get them to our Treasurer at the address above, or hand them to him. Each attendance gets you a ticket for the picnic prize drawing.

CLUB POLICY REGARDING MEMBERSHIP AND THE REPEATER

It is the Palomar Amateur Radio Club's policy that:

W6NWX/R is an open repeater for club members and occasional and transient users.

Frequent non-member users should be extended the courtesy of being offered information on where and when the club meets, and how they can join it. Club members should not be hesitant about offering this courtesy.

W6NWX/R is dedicated to public service, but will not be used by any group for drills or other activities which preempt the repeater without the permission of the Club. Bona fide emergencies always take precedence on the repeaters, but quasi-emergencies must be handled with discretion and common sense. The mere activation of an emergency network in anticipation of a requirement for its use does not constitute an emergency.

MARCH CLUB MEETING

The March meeting of the Palomar Amateur Radio Club will, no doubt, probably take place in the Community Room of Glendale Federal Savings and Loan at the corner of Anza, Vale Terrace, and East Vista Way at 7:30 of the evening on the second (of March - with any luck at all). Our speaker for the evening will be Steve Simek, Jr., WA2NNT, who will talk to us about the Amateur Radio Emergency Service in North County.

FEBRUARY CLUB MEETING

At our February meeting, Frank Cassen, N6AT, gave us all the word on how traffic is handled via the National Traffic System, and is relayed from point to point until it is transmitted entirely by wireless clear across the U. S. of A., untouched by human hands. No business meeting was conducted due to the extreme lack of a quorum. Ed, N6GZI, would have presided had there been a meeting, since Bob, N6DYO, was malingering in the hospital after minor surgery (he only had one heart valve replaced - I think). Since The Editor won a prize, the non-meeting was a rousing success.

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at a place to be announced. Club members are welcome to observe - quietly, and with the reserve for which we amateurs are noted.

The February meeting of the Executive Committee was held at Bob's Big Boy in Vista. The Club's new QSL cards were presented. Stan, W9FQN, attended, and presented an idea that each club meeting have a short period devoted to some subject of general interest to Radio Amateurs. His idea was approved and will be implemented. Stan volunteered his services.

Big Boys still taste pretty good, although I'm not sure they're as good as they were back in the good old days, but what is! Ed, N6GZI, did a dandy job of conducting the meeting and eating in rather cramped quarters. Hope we can find a better place to meet.

PREZZ RELEASE

I'm home. I have a new Timex valve: "It takes a licking and keeps on ticking". Thanks to everyone for your cards and prayers and support. I should be back in action on the air soon. de N6DYO

REPEATERS

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Co-located with W6NWG on Mount Palomar is WD6HFR, an open repeater of the 220 Club of San Diego for the use of its members and transient and occasional users. The frequencies are 223.300 MHz in and 224.900 MHz out.

FLEA MARKET

Electronic-oriented flea marts in operation are the ones in San Diego 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 Boulevard 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 18th. TRW talk-in on 145.32 MHz simplex.

NORTH COUNTY TRAFFIC NET

The Club's North County Traffic Net meets on W6NWG nightly at 2000 local to handle written traffic. No net on club meeting night. If you wish to be added to the roll of a particular net, make your request to that net's NCS. Our net manager is Joe, WB6HMY. Joe says that he needs more volunteers for NCS.

The Net has been in operation now for more than four years, and handles a respectable amount of traffic without tying up the repeater very long. This is because our net members are all pretty well-versed in handling written traffic, our operation isn't of the "howdy net" variety with its extraneous chatter, and our net control stations do a pretty good job of running a traffic net. I do notice superfluous direction by some NCSs such as "Call K6HAV" when calling for traffic listings, or "List traffic and give precedence". At least on our net all traffic is presumed to be of Routine precedence unless otherwise indicated when listed, and we don't really want long calls when calling for stations with traffic, we just want to hear the call sign of the station with the traffic. Not very big deals, but it does help to keep direction to a minimum.

WEATHER REPORTS

Joe, WB6HMY, says that even though the sun's shining on the inskirts of Oceanside, those of us in the rainy portion of the county should not neglect to make our rain reports to John, K6QCW, or to Joe at 1045 of the a.m.

Rain reports should state the amount of rain fallen in the 24-hour period 1100-1100 and your location (such as north San Marcos or east Oceanside - not Thomas Brothers Map coordinates). The NWS is not interested in "storm totals", just the 24-hour period 1100-1100. Since the sun only shines in Oceanburg, the rest of us should hang in there and keep those gauges with the open side up.

BADGES

The previously described John Tentor will be glad to take your \$\$\$\$ at the meeting so that he can order you an OFFICIAL Palomar Amateur Radio Club badge from the Cheapy Badge Company. If you are fairly certain, let John know who in the blue-eyed world you are and he can order your badge with your very own name and call sign on it, just like the Big Guys have. John will jump for joy and leap with alacrity to get YOUR money into the banque.

John still has badges anxiously awaiting their owners, who are: WD6ATX, WD6CLG, N6DRX, WD6ENI, N6GCI, WB6GXP, NE6K, KA6MLY, KA6MWU, and K4NLM. If you're not really sure of yourself but would still like a badge, John just might let these badges go at veery rea\$onable price\$.

LICENSE EXPIRATIONS

2/83: WD6ENJ, W6OKG, WB6CYX, and WA6ZKC. 3/83: WA6QQQ, WB6IQS, WB6NIJ, WD6AOL, AD6Z, K6BPT, K6UZ, and WA6ZKD. 4/83: N6YX. 5/83: W6UUJ and KB6QF.

FORESAIL

(Spin an aker or two)

There is NO charge for personal ads of Club members in SCOPE.

Drake all band rx SSR-1, cost \$350, like new, \$185. Call Jack, W6QP, at 724-3341

Atlas 215X HF xcvr w/mike and a/c console-pwr supply. ICom IC-22S 2M xcvr w/TT mike and homebrew synthesizer. Heathkit SB-101 HF xcvr. Tempo One HF xcvr w/mobile pwr supply. Tempo FMH KP 202 2M HT w/desk charger and holster. Heathkit HA202-A 2M 10W-in 40W-out amplifier. Swantenna Model 45 manual HF mobile antenna. Autronics keyer w/paddle. 2M Ringo Ranger. HyGain 2M whip. Tri-Ex 30' crank-up side support tower. AR 22 rotor. Heatnkit AM-2 HF swr bridge. HyGain Jr. 3 elm HF tri-band beam (for free - needs work.) HyGain vertical for 10-15-20M (for free etc.) All from estate of Tak Ito, WA6YHB. Call Dave, WA6HQM, at 753-2605.

Collins 32S-3 w/DX Eng. Processor, 516F2 pwr supply, \$495; 75S3-B w/500 Hz filter, \$475; or \$895 for the two; 200 Hz filter, \$100; 70K2 PTO, used, \$30; Kenwood TS820S HF xcvr w/500 Hz filter, as is, \$425. Call Herb, W6FET, at 728-8615.

Kenwood TS180S HF xcvr w/DFC memory and spkr, \$550. Call Dora, N6GGW, at 489-1325.

All Heatnkit: HW-101 HF xcvr, HR-1680 ham HF rx, PS-23 pwr supply for HW-101, HS-1661 spkr, all w/books and in xclnt condx, never raced. Unreasonable offers considered - momentarily, anyway. Call Brian KF6BL, at 433-4293.

Drake W4 wattmeter. Following is all Yaesu: FT101 10-160M xcvr w/manual; FT101B 10-160M xcvr w/manual, mike. FV101B external VFO; FL2100B linear amp SPL01P Landliner phone patch and speaker. Call Bob, N6DYO, at 439-7058.

HD-73 antenna rotator. Used one year, \$25. Call Dick, W1LE, at 487-6058.

Atlas 210X limited edition w/A.C. power supply, AFC unit, DD-6 digital dial, and mobile cable. AN/URM 25D 10kHz-50MHz signal generator. Hewlett Packard 201CR audio generator. Tektronix 465 scope w/digital VM. 5/8 wave mobile 2M antenna, 2M Ringo, 30' slip up mast, 50' of old RG8U, and other equally good stuff. Call Less, W6JSL, at 726-1313.

Complete working computer system: SWTPC 6800 running at 2 MHz w/40K static memory, 1 serial and 2 parallel ports; dual mini floppy drives; 16 X 64 terminal. Software includes: OS, editor, assembler, text processor, Random BASIC, small data base manager, and games. \$999. Call Bob, K7WLX, at 729-5519 (hp) or 714-493-8181 (wp).

Collins 75A-4 rx w/.5, 1.5, and 3 kHz mechanical filters, vernier dial, and book. In excellent shape. Call Art, W6EVL, at 728-1717.

Heatn HW-100 HF xcvr & pwr supply, \$150. Heath HM-15 SWR meter, \$25. Electrovoice 638 dynamic Hi-Z mike with PTT, \$35. Curtis EK-430 keyer, \$75. Vibroplex chrome Vibro-Keyer, \$40. Hallicrafters HA-1 TO keyer, \$30. Murch UT2000A antenna tuner, \$85. Lafayette 99-50973 VOM, \$20. Heatn GD-1B GDO, \$10. Call Harry, W6TCI, at 724-3471.

New, never used Dentron MLA 2500 linear amp w/pair of 746s. Call Jack, WA6CWG, after Nov. 1, at 747-7157.

Damaged but repairable 2 elm 10-20M Gem Quad, free to good home. Call John, WB6HSZ, at 724-1764.

Swan 260 Signet 270W HF xcvr, a.c./d.c., like new. Call Joe, W6LJF, at 721-4763 (HP) or 439-1188 (OP).

WANTED

(Start houted men)

John Kuivinen, WB6IQS, needs some short lengths of RG214U coax to make up jumpers for W6NWG/R. If you can help, call John at 724-8380.

TV-502S transverter to fit my TS 520 S. Will pay anything as long as it's cheep, cheep, cheep. Call Barry, N6ENI, at 724-3551.

Swan digital dial Model DD6C for Swan 500 in good condition ('s hard to figure why he wants to tell us the condx of his Swan. Better he should get a late model turkey as Swans are endangered species.) Anyway, call Ru\$\$, W6HZJ, at 728-8925.

Contact with anyone using the Timex Sinclair computer. Call Stan, W9FQN, at 749-0276.

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-ington (CT 06111, that is), and it won't cost you even an additional red centime or peseta more. The ARRL tab is \$25 per year. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to John, W6OLQ.

ARRL BULLETINS OF INTEREST

(Hopefully)

Bulletin 11 of 2/1/83 said: The FCC has released the Notice of Proposed Rulemaking proposing to establish an Amateur Radio operator license class which would not require any demonstrated ability to send or receive Morse code. The so called codeless license proposal seeks to create one of two possible new classes of Amateur license. One alternative would be the Technician class without the five word per minute Morse code examination. This license would carry all amateur privileges above 50 MHz. The second alternative would be an Experimenter class. This license would require passing a theory test which would require knowledge of digital and other Amateur techniques and would grant all amateur privileges above 144 MHz. FCC seeks comments on this proposal, especially views on the composition of the new theory test for the proposed Experimenter class. It also seeks comments on the frequency privileges to be given to either a Codeless Technician or Experimenter class. Comment deadline is April 29, 1983. Replies are due May 31. March 1983 QST will carry the entire text of this proposal, including information on how to file comments with the FCC. The Docket number is 83 28.

Thanks to Frank, N6AT, for the bulletin.

SICK CALL

Bob Clark, N6DYO, had a successful re-valve job - on his heart, not his car - at University Hospital. They had him up and walking in a day or two but he had to serve an extra week or so for bad behaviour since he was caught fibrillating in public. He liked his time in durance vile so well that he spent less than 24 hours at home before he was right back in the hospital - this time at Camp Pendleton, where he spent another week or ten days. At this writing he is home, but still hasn't come up to speed yet.

Not to be outdone, Le\$, W6J\$L, turned himself into a hospital (magic, wot!) - the VA hospital in La Jolla for a diagnostic looksee, which he has managed to turn into a two-weeks stay. He is expected to be sprung about the time we get this to our printer. As near as can be ascertained, the medicos have found that Le\$ is suffering from terminal grouchiness. This was caused by Les' mistaken idea that he was being sent to see the protocol officer, when actually it was the proctologist, who was new at the job and didn't know which end was up.

DOWN THE TOOBE

Congratulations to Brian, KF6BL, on up-grading to Extra Class. Waytago.

The Club now has some great new QSL cards for contacts with W6NWG. The cards have the Club's logo "underprinted" on them. They were furnished to the Club by Vista Printing Service (Paul Heismann, KA6PPD) at no charge. Paul says that he's not a QSL card printer if you want the ordinary card, but if you want something out of the ordinary, he can probably help you. He also provided the Club with its very nice stationery, which is also "underprinted" with the Club's logo.

Bill, K6GJD, joined a select club when the wind during a recent storm toppled his guyed 54' tower, converting it into something resembling a galvanized Golden Arch. Bill was lucky though, as we had one just like it advertized in last month's SCOPE. Maybe he can get together with K6ROR...

Bill Countryman, KE6BH, says that bowling is what's keeping him from making club meetings. The only time we see bill anymore is over at the hospital at Camp Pendleton, where he's doing some telephone installations.

Nice to hear Melinda Carroll, N6HVE, up on the North County Traffic Net. We need a regular Fallbrook station.

"That's all", she wrote.

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W6NWG

Scope

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APRIL CLUB MEETING

The April meeting of the Palomar Amateur Radio Club will, no doubt, probably take place in the Community Room of Glendale Federal Savings and Loan at the corner of Anza, Vale Terrace, and East Vista Way at 7:30 of the evening on the sixth (of April - if the fates are kind to us). The program for the evening will be the much-talked-about Scripps Institute of Oceanography travelog, to be presented by Mr. George Mitchell. This is an excellent program, one which you and your XYL will really enjoy.

The Club will also take up, in the business portion of the meeting, the MOST IMPORTANT subject we've had yet. It concerns the future of the repeater site and the future of the Club. We hope that you'll all come make your voice heard on the subject. From the names and number of those planning to attend, it sounds like it could be Old Timers' Night. Come on out and see old us old folks and have a quorum or two with us.

MARCH CLUB MEETING

At our March meeting, our program was presented by Steve Simek, WA2NNT, who spoke to the few of us about the Amateur Radio Emergency Service; and by Scott Belfield, KD6FY, who gave us all the dope on the Humane Society's Animal Rescue Service.

No business meeting was conducted due to presence of only a fourum, not a quorum. That the meeting was on one of the rainiest days of the century certainly contributed to the lack of attendance. But, since The Editor won a prize, it was a grand meeting. Let's keep the quality and number of those prizes up there, despite the grumbling of all of the malcontents.

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at Carrow's Restaurant on South Santa Fe near the corner of Escondido/Sunset across from Von's in Weestful Veesta. Club members are welcome to observe - quietly, and with the reserve for which we amateurs are noted.

The March meeting of the Executive Committee was held at Carrow's in Vista. The Committee took a very positive step in connection with our present repeater site. It will be discussed in detail in the minutes of the Executive Committee at the April meeting. Come hear all about it!

PREZZ RELEASE

Lotsa great activities coming up for club members this year, so get your rigs ready for such events as Field Day, Encinitas Flower Festival, Carlsbad Triathlon, Red Flag Alerts, etc. If you keep emergency equipment on standby, check it out thoroughly. Nothing so frustrating as dead batteries, loose connectors, or bad microphone cords when you arrive at the scene of the action. 73 de N6DYO

REPEATERS

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The 2M machine has been experiencing some interference from one or more Spanish-speaking stations. Stan, W9FQN, is willing to "look" in the border area if he could get some assistance in the way of information on the interfering station(s). He would like folks, particularly in the South County area to listen on the input and try to get a bearing on the signal source. He would like to know the bearing and your location. Are they keying up any other repeater? Can you hear who they are talking to and the bearing of the other station? Contact Stan on W6NWG/R or call him at 749-0216.

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4/83: N6YX. 5/83: W6UUJ and KB6QF. 6/83: KD6BW and KB6AI.

FORESAIL

(What a bunch of Jib erish)

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Sanyo VM 4509 video monitor, \$150. Call Bob, WB6TKU, at 741-1541.

Wanna buy the farm? 10M 3 el Hi Gain w/balun, 70' coax, TV type rotator, 35' mast ready to put up, \$50; 15M 3 el Hi Gain, \$30; 20M 3 el Hi Gain, \$25. Have gone quad. Call Al, W6NBH, at 741-1320 any time.

ICom 215 2M FM portable xcvr w/built-in telescoping antenna and rechargeable batteries or 12vdc operation. Includes 15 xtals for local freqs, and rubber duck antenna, cigarette lighter adapter, shoulder strap, battery charger and A.C. base supply. With manual. Some unreasonable offers refused. Call Al, N6GNB, at 741-1840. 4/83

ICom 230 2M fm xcvr w/A.C. pwr supply. Call Marston, N6GCI, at 741-0559. 4/83

Drake all band rx SSR-1, cost \$350, like new, \$185. Call Jack, W6QP, at 724-3341. 3/83

Yaesu FT-20/ HT w/desk charger (for charging wayward desks??), speaker mic, and 5/8 wave antenna. Hy-Gain three elm 10M beam in fine condx. Vibroplex "Original" Bug. Call Dave, WA6HQM, at 753-2605. 4/83

Collins 32S-3 w/DX Eng. Processor, 516F2 pwr supply, \$495; 75S3-B w/500 Hz filter, \$475; or \$895 for the two; 200 Hz filter, \$100. Call Herb, W6FET, at 728-8615. 3/83

All Heatnkit: HW-101 HF xcvr, HR-1680 ham HF rx, PS-23 pwr supply for HW-101, HS-1661 spkr, all w/books and in xlnt condx, never raced. Unreasonable offers considered - momentarily, anyway. Call Brian KF6BL, at 433-4293. 2/83

Drake W4 wattmeter, \$25. Ameco Model PT 1.8-54 MHz pre-amp, \$45. Following is all Yaesu: FT101 10-160M xcvr w/manual, \$200; FT101B 10-160M xcvr w/manual, mike, \$400; FV101B external VFO, \$75; FL2100B linear amp, \$400 SP101P Landliner phone patch and speaker, \$50. 14ATV vertical antenna, \$25. Call Hosstrader Bob, N6DYO, at 439-7058.

Atlas 210X limited edition w/A.C. power supply, AFC unit, DD-6 digital dial, and mobile cable. AN/URM 25D 10kHz-50MHz signal generator. Hewlett Packard 201CR audio generator. Call Le\$\$, W6J\$L, at 726-1313. 1/83

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WANTED

(Start houted men)

Bug so I can get up there to 2,000 wpm or something like that to pass the General Class CW exam. Call Bob, KA6HZF, at 726-5414. 4/83

John Kuivinen, WB6IQS, needs some short lengths of RG214U coax to make up jumpers for W6NWG/R. If you can help, call John at 724-8380. 3/83

TV-502S transverter to fit my TS 520 S. Will pay anything as long as it's cheep, cheep, cheep. Call Barry, N6ENI, at 724-3551.

Swan digital dial Model DD6C for Swan 500 in good condition ('s hard to figure why he wants to tell us the condx of his Swan. Better he should get a late model turkey as Swans are endangered species.) Anyway, call Ru\$\$, W6HZJ, at 728-8925.

KL7DG TOTEM POLE AWARD FOR PARC MEMBERS

Charter PARC member John Trent, KL7DG, says that he'll furnish a model totem pole to the PARC members who QSOs John the most in 1983 on 15M CW, limit: one contact per day. John says you'll find him and his QRP 2W sigs on 21064 kHz daily at 0100Z. He's located on the outskirts of Anchorage, and runs that QRM-crunching signal to a dipole. We hope that John will find time to attend a club meeting while he's in the area in late June - if he can tear himself away from the marathons. He's 64 years old and has run in 30 of them, with a personal best of 4:19:35.

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-ington (CT 06111, that is), and it won't cost you even an additional red centime or peseta more. The ARRL tab is \$25 per year. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to John, W6OLQ, at the Club's P.O. Box address or in person at club meetings.

N6AVQ A SILENT KEY

K6PP reports that former Club member Marcus Coutts, N6AVQ, became a silent key on March 12. Marcus was an old time Marine Corps radio op.

ARRL BULLETINS OF INTEREST

(Beyond a shadow of a doubt)

Bulletin 16 of 2/3/83 said: AMTOR, a digital teleprinter operation that produces copy less prone to errors, is now permitted in the amateur HF bands from 3 to 30 MHz. The new rules became effective with their publication in the February 22 Federal Register, see page 7457. For a description of this handshaking technique, see June 1981 QST.

Frank, N6AT, also adds a note that the FCC released an order on March 18 granting ARRL's request to extend the comment deadline on FCC's no code license proposal, p.r. Docket 83-28. New comment deadline is June 28, 1983, with reply comments due by July 28, 1983.

Thanks to Frank for the bulletin information.

SICK CALL

Jim Kavan, W6IPP, was in the VA hospital at La Jolla for a look at circulatory problems. We hear that the hospital staff tried to keep Le\$ and Le\$, W6J\$L, apart fearing that if the two got together there just might be enough ugly for a critical mass and thereby a newkier (as Jimmy Carter pronounces it) explosion of ugly proportions.

Le\$ was out of the hospital over the weekend and then back in for a course of chemotherapy, out for three weeks and back in again for three days. Les' treatment will continue for eight months.

Bob, N6DYO, is home and progressing. He goes back in for cardio-version about the end of March. Bob says he hurts a lot, but he was feeling good enough to run the March Executive Committee meeting in very good fashion.

Fred Spiegel, WA6KEY, is reported to have spent a few days in Tri-City West for preventive purposes.

Max, W6DEY, sounds pretty spry checking in on the ARES net on Sunday morning, and Marty, K6NS, says that Max is coming along pretty well.

Floyd and Vanessa, W6JSP and WB6BHE, have been down with the croup or the flu or some such, but Floyd says they're coming out the other side.

Understand that Boots, W6HAW, was in Tri-City with some coronary problems.

DOWN THE TOOBE

Gene, K6EJO, says he's given up on the bomb shelter or root cellar or whatever since the rains made a swimming pool out of it before he could get a roof on it. Gene's into computers now and the muddy swimming pool didn't compute. It jus sort of got his goats, the mincher ones at the place on Smilax.

Again this month congratulations to Brian, KP6BL, who's about to change assignments and move from San Diego to W6IAB at Camp Pendleton.

Brian says that Art, N4HZK, is alive and well in Ocala, FL, but that's more than Art can say about his gear which he's been smoke testing. Some of the gear Art's working on is old enough to smoke - whoever heard of making 6M HTs out of WW I war surplus HTs?? Art says "Hi" to everybody, especially Dora, N6GGW, and even to Ol' Marty, K6NS. Brian says he really didn't pay off the FCC to get his Extra Class, no matter what Art says. Brian and Art have a Saturday CW sked on 21075 at 1200 local.

Congratulations to Don, WD6FWE, who tied the knot (marriage-type) with Jackie Goodman on Saturday, 26 March.

We heard Maury, KB6QF, with an early a.m. 20M CW sked with a "Four". They were batting right along.

Seems as though one of our Associate Members, Pat Crossman by name, went to the FCC in Long Beach in early March to take the General Class exam. Took the 20 wpm CW test for a warm-up - and passed it with one mistake!! She then proceeded to miss two too many on the written exam. She goes back again on the 6th of April. At this rate she'll be an Extra Class before she passes her General. Feeling the hot breath of the 20 wpm FCC certificate on the back of his neck, her OM, Ye Olde Ed, got hot and trotted off to La Mesa and passed the Advanced Class exam.

Our latest SCOPE subscriber Don Wallace, W6AM, owner of the fantastic Rhombic farm at Rancho Palos Verdes. Seems that charter PARC member John Trent, KL7DG, took out the subscription for Don. I can remember seeing pics of Don's QTH in QST and other ham pubs back before I got my ticket.

We visited Dora, N6GGW, and her OM, George, the other day, and enjoyed meeting them both very much. George's coffee and cookies were great. A very nice afternoon. We enjoyed it.

We had a nice, newsy letter from Vendy Johnson, W6CWK, with lots of dope on his new QTH in Sweet Home, OR. We'll try and include some of the info from it next month. Don't stay facing one direction too long, Vendy, or you'll grow moss on the north side.

"That's all", she wrote.

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2nd Class Postage paid at Vista, CA 92083



SCOPE - APRIL, 1983

Don Johnson
WD6FWE
3140 Lincoln ST
Carlsbad CA
07/83
1684
2400
2720
6971
92008



W6NWX

Scope

VOL. XVIII, NO., 5

1936 - 1983

*Control Money? ladder rental
Donation letter
Stationery / Envelopes.*
MAY, 1983

PRESIDENT: Bob Clark, N6DYO, Oceanside
VICE PRESIDENT: Ed Ross, N6GZI, San Diego
SECRETARY: Billy McCord, WB6TBQ, Vista
TREASURER: John Tentor, W6OLQ, San Diego
EDITOR: Ralph Crossman, K6HAV, Vista

+++++
PAY ATTENTION! EXTRA! CLUB PURCHASES REPEATER SITE! EXTRA! PAY ATTENTI

It became obvious, early this year that the repeater site was going to be sold. The PARC was given the right of first refusal to purchase the lot on Mount Palomar for a firm \$18,000, cash.

In February, Bob, N6DYO, appointed a Real Estate Committee to look into the feasibility of the purchase, the financing, and to make recommendations thereon. The Committee considered that the repeater site had changed four times, and landlords had changed five times since our first repeater went into operation on Mount Palomar in 1973. The Club has never had a lease, has had only implied promises. We've paid rent, we've stayed rent-free, we've paid electric bills, and we've paid taxes in lieu of rent. We have paid for the security on one building and we've paid for two buildings, one of which club members constructed. Now, we could go through another change of owners or we could become the landlord. The Committee decided that that was the preferred course of action. Financing was the next concern since the owner would not take back a note. The Friends of The Palomar Amateur Radio Club, a group of anonymous donors, stepped forward with a loan for the entire \$18,000 at 5% for 20 years, making monthly payments of about \$119. Our handy-dandy calculator told us that these payments could be made from membership dues with about \$1,000 per year left on which to operate, and exclusive of the annual \$2.50 SCOPE portion of the dues. The Committee, being very level of head and quite astute, knew that this just wasn't the kind of deal to pass up and decided to GO FOR IT.

At the March 10 meeting of the Executive Committee, the Real Estate Committee recommended that the site be purchased; and that escrow be opened immediately, with the completion of the escrow to be contingent upon the approval of the members at the regular April membership meeting. Escrow was opened on the 11th of March.

At the April 6th membership meeting, the Club voted, overwhelmingly, to approve the actions of the Executive Committee, and directed that the purchase of the site be completed. This meeting was attended by more than 60 club members, thanks to the efforts of folks like Bob, WA6KZN; Frank, N6AT; Bill, K6GJD; Walt, W6SCI; members of the Real Estate Committee; and others who got on the phone and turned out the faithful.

Close of escrow is waiting on the transfer of the water share as this is written, then the site will be that of the PALOMAR AMATEUR RADIO CLUB, INCORPORATED. Our property taxes will nearly double due to the purchase price, but it will be all ours. See also PREZZ RELEASE.

PREZZ RELEASE

Paul, WA6OLI, has volunteered to head up the 1983 Field Day Program. But he can't pile up the points by himself - it takes a lot of teamwork. Jump in and have some fun. If you haven't worked Field Day before or if it has been a long time since your last Field Day, dust off your skills at CW or phone and join Paul. We will have a great site, a great contest, a great potluck and a great time.

It's time to pass out "Oscars" or Kudos or just a great big "Thanks" to Ralph, K6HAV; Jim, K6SLA; Jim, WD6ENK; Stan, W9FQN; Paul, KA6PPD; and Phil, K6ROR, for taking on the task of researching and making final recommendations on the purchase of the Mount Palomar repeater site. We now are owners and not just tenants. Our plans are to make the site self-supporting, if possible. This committee will continue, for the balance of 1983, to explore the various and sundry ways and means to make this a reality.

The turnout at the April meeting was all we could hope for. I was overwhelmed at the interest and support of the members. A long time dream of many clubs has become a fact for the PARC and you all deserve the credit for your enthusiastic support. de N6DYO

MEMBERSHIP

Membership in the Palomar Amateur Radio Club is \$12 a year with no initiation fee, and includes a whole spine-tingling year of SCOPE - like it or not. Family memberships are \$12 for the first family member and \$9.50 for each subsequent family member living at the same address. Weird folks who actually WANT to get the SCOPE without benefit of club membership may do so by springing for a whole year of it for \$2.50 - more, a whole lot more, if you have to have it in plain brown wrapper.

Make checks payable to the PALOMAR AMATEUR RADIO CLUB, INC., and get them to our Treasurer at the address above, or hand them to him. Each attendance gets you a ticket for the picnic prize drawing.

REPEATER USE AND CLUB MEMBERSHIP

Now that we have our own repeater site, with accompanying 240 easy \$119 monthly payments, it behooves ALL of us to become membership committee members and do some active recruiting. We also have our repeaters to support, insurance to pay for, the Gilmour Scholarship, and various other operating expenses to defray. Let's all invite our friends who are frequent users of the repeaters to join the Club and lend their support. The regular use of the Club's repeaters by non-members is really not fair to those of us who DO support the Club. If you invite folks to use OUR machines, please do US a favor and invite them to join the Club!

Let's all also remember that each of us is only a 1/265th of the Club as we hold the button down for that half-hour QSO on the 2M machine.

MAY CLUB MEETING

The May meeting of the Palomar Amateur Radio Club will, without fail, probably take place in the Community Room of Glendale Federal Savings and Loan at the corner of Anza, Vale Terrace, and East Vista Way at 7:30 of the evening on the fourth (of May - if my memory serves me). The program for the evening will be presented by the Sheriff's Department and will include a presentation on ASTREA by Jack Dunn.

Stan, W9FQN, fresh back from HL9-land and assorted Far Eastern seaports, will have available at the club meeting the means for checking power output of HTs and mobile/portable VHF and UHF rigs. Bring your own cables and be sure your HTs are charged up. Stan will have a 12VDC battery available or bring your own AC supply.

APRIL CLUB MEETING

At our April meeting, we had one of the best travelogs I've seen presented to us by George Mitchell, K6ZE. It was on the Scripps Institute of Oceanography and its research vessels and some of the places they have visited. Very well organized, with excellent photography, and a professional presentation. Sorry you missed it.

At the business meeting we had a quorum for a change and managed to do what may be the Club's most important piece of business: authorizing the purchase of our repeater site!

The Editor's XYL won a prize so it has to be considered an excellent meeting.

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at Carrow's Restaurant on South Santa Fe near the corner of Escondido/Sunset across from Von's in Weestiul Veesta. Club members are welcome to observe - quietly, and with the reserve for which we amateurs are noted.

At the April meeting, the Committee discussed the Club's participation in this year's ARRL Field Day and listened to Bob, WA6QQQ, and his thoughts on the use of the Club's repeater site. Bob also gave us a look at the FCC's proposed 900 MHz Private Radio Service.

REPEATERS

The Palomar Amateur Radio Club owns and operates two repeaters, both of them W6NWG, on Mount Palomar at about 5,600'. One is a two meter FM repeater with an input of 146.130 MHz, and an output of 146.730 MHz. The other is a 450 MHz machine with an input frequency of 444.425 MHz and an output of 449.425 MHz. They are for club members and occasional and transient users.

John, WB6IQS, who is our Repeater Committee Chairman, says that he will be going to the mountain on the first Saturday in May to change an antenna and do some clean-up work on the site. He needs help including someone with a pickup truck, tools, strong backs, etc. If you can help, call John at 724-8380

The 2M machine has been experiencing some interference from one or more Spanish-speaking stations. Stan, W9FQN, is willing to "look" in the border area if he could get some assistance in the way of information on the interfering station(s). He would like folks, particularly in the South County area to listen on the input and try to get a bearing on the signal source. He would like to know the bearing and your location. Are they keying up any other repeater? Can you hear who they are talking to and the bearing of the other station? Contact Stan on W6NWG/R or call him at 749-0276.

Co-located with W6NWG on Mount Palomar is WD6HFR, an open repeater of the 220 Club of San Diego for the use of its members and transient and occasional users. The frequencies are 223.300 MHz in and 224.900 MHz out.

FLEA MARKETS

Electronic-oriented flea marts in operation are the ones in San Diego 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 Boulevard 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 18th. TRW talk-in on 145.32 MHz simplex.

NORTH COUNTY TRAFFIC NET

The Club's North County Traffic Net meets on W6NWG nightly at 2000 local to handle written traffic. No net on club meeting night. If you wish to be added to the roll of a particular net, make your request to that net's NCS. Our net manager is Joe, WB6HMY. Joe says that he needs more volunteers for NCS.

Our SCM, W6INI, informs us that Guy, KB6AI, has handled 2,030 messages since his appointment as Official Relay Station in March, 1981. Waytago!

BADGES

The previously described John Tentor will be glad to take your \$\$\$\$ at the meeting so that he can order you an OFFICIAL Palomar Amateur Radio Club badge from the Cheapy Badge Company. If you are fairly certain, let John know who in the blue-eyed world you are and he can order your badge with your very own name and call sign on it, just like the Big Guys have. John will jump for joy and leap with alacrity to get YOUR money into the banque.

John still has badges anxiously awaiting their owners, who are: WD6ATX, K6BPT, WD6CLG, N6DRX, WD6ENI, WA6ESG, N6GCI, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and W6ZYT. If you're not really sure of yourself but would still like a badge, John just might let these go at very reasonable prices.

HERB GORDON, W6KBD, SILENT KEY

Herb Gordon, W6KBD, became a silent key on April 13. Services were held on April 18. He had attended the club meeting on April 6. Herb will be missed by his friends in our club and in the 220 Club, where he was the trustee of their repeater.

FORESAIL

(What a bunch of Jib erish)

There is NO charge for personal ads of Club members in SCOPE. Send ads to SCOPE, 3716 Bluebird Canyon Rd., Vista, CA 92083. Scope deadline is two weeks before the first Wednesday of the month. Subscription correspondence and anything else for the Club goes to P.O. Box 1603, please!!

Collins 75A-4 ham rx w/.5, 1.5, and 3 kHz mechanical filters, vernier dial, and book. FREE: RAK rx, covers 15 kHz-600 kHz; RAL rx, covers 300 kHz-23 MHz. Bring strong back or fork lift. Call Art, W6EVL, 728-1717.

Wangco 10M byte top-loading 14" RK05 hard disc drive w/controller for DEC PDP-11, presently in operation. Call Phil, K6ROR, at 724-0098.

Sanyo VM 4509 video monitor, \$150. Call Bob, WB6TKU, at 741-1541.

Cushcraft 11 elm 2M beam w/balun, complete Hallicrafters station with HT-44 tx, SX-117 rx and PS-150-120 pwr supply & spkr w/extra tubes and mike, B&W all band folded dipole. Call Ed, N6GZI, at 270-1697.

Wanna buy the farm? 10M 3 el Hi Gain w/balun, 70' coax, TV type rotator, 35' mast ready to put up, \$50; 15M 3 el Hi Gain, \$30; 20M 3 el Hi Gain, \$25. Have gone quad. Call Al, W6NBH, at 741-1320 any time.

ICom 215 2M FM portable xcvr w/built-in telescoping antenna and rechargeable batteries or 12vdc operation. Includes 15 xtals for local freqs, and rubber duck antenna, cigarette lighter adapter, shoulder strap, battery charger and A.C. base supply. With manual. Some unreasonable offers rerused. Call Al, N6GNB, at 741-1840. 4/83

ICom 230 2M FM xcvr w/AC supply. Call Marston, N6GCI, 741-0559. 4/83

Drake all band rx SSR-1, cost \$350, like new, \$185. Call Jack, W6QP, at 724-3341. 3/83

Yaesu FT-20/ HT w/desk charger (for charging wayward desks??), speaker mic, and 5/8 wave antenna. Hy-Gain three elm 10M beam in fine condx. Vibroplex "Original" Bug. Call Dave, WA6HQM, at 753-2605. 4/83

Collins 32S-3 w/DX Eng. Processor, 516F2 pwr supply, \$495; 75S3-B w/500 Hz filter, \$475; or \$895 for the two; 200 Hz filter, \$100. Call Herb, W6FET, at 728-8615. 3/83

All Heatnkit: HW-101 HF xcvr, HR-1680 ham HF rx, PS-23 pwr supply for HW-101, HS-1661 spkr, all w/books and in xlnt condx, never raced. Unreasonable offers considered - momentarily, anyway. Call Brian KF6BL, at 433-4293. 2/83

Drake W4 wattmeter, \$25. Ameco Model PT 1.8-54 MHz pre-amp, \$45. Following is all Yaesu: FT101 10-160M xcvr w/manual, \$200; FT101B 10-160M xcvr w/manual, mike, \$400; FV101B external VFO, \$75; SP101P Landliner phone patch and speaker, \$50. 14ATV vertical antenna, \$25. Call Hosstrader Bob, N6DYO, at 439-7058.

Heatn HW-100 HF xcvr & pwr supply. Electrovoice 638 dynamic Hi-Z mike with PTT. Hallicrafters HA-1 TO keyer. Call Harry, W6TCI, at 724-3471. 4/83

New, never used Dentron MLA 2500 linear amp w/pair of 746s. Call Jack, WA6CWG, at 747-7157. 3/83

COMMENTS ON NO CODE LICENSE DOCKET

If we don't want to see the degradation of the Amateur Radio Service, we'd ALL better do what Bob and Judy Gonsett, WA6QQQ & WD6BEZ, have done: Let the FCC know how you feel about it, but with reason - save the fire and brimstone. Bob was kind enough to let the SCOPE have a copy of their well reasoned submission. Their's is the preferred format. The FCC has extended the deadline date for comments to June 28, 1983 "Since we want the input from amateur radio operators to reflect thorough and dispassionate consideration" so you still have plenty of time to be heard. See March 1983 QST, page 49, for the proposal.

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of

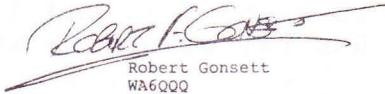
Establishment of a Class)
of Operator License Not) PR Docket No. 83-28;
Requiring a Demonstration) FCC 83-23
of Proficiency in the)
International Morse Code)

COMMENTS

If the Commission must create a codeless class of Amateur Radio Operator Licensee, we urge that it be the proposed Experimenter Class license with the provision that operation be restricted to only those amateur bands which lie above 450 MHz. The Commission has expressed its willingness to be flexible on the lower frequency limit affecting Experimenter licenses (Federal Register, Vol. 48, No. 24, Page 4858, Par. 16) and 450 MHz is a logical cutoff point.

Our feeling is that Experimenter operation below 450 MHz could overcrowd already congested amateur bands. On the other hand, operation above 450 MHz would help develop little used and relatively uncluttered spectrum and thereby help amateur radio progress as a whole.

Sincerely yours,


Robert Gonsett
WA6QQQ


Judith Gonsett
WD6BEZ

Submitted February 22, 1983

LICENSE EXPIRATIONS

4/83: N6YX. 5/83: W6UUJ and KB6QF. 6/83: KD6BW and KB6AI. 7/83: K6QCW, WA6KZN, W6TFB, and WA6AIM.

CALL SIGNS

The FCC in La Mesa tells us that in the 6th District, calls signs being assigned in March were: Extra, NT6G; Advanced, KF6QA; Tech/Gen, N6IGS; and Novice KA6ZBF. Thanks to June Butler of the La Mesa office for this info and that on the later comment deadline date on the No Code License Docket.

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-nington (CT 06111, that is), and it won't cost you even an additional red centime or peseta. The ARRL tab is \$25 per year, two years for \$49, or three years for \$72. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to John, W6OLQ, at the Club's P.O. Box address or in person at club meetings.

ARRL BULLETINS OF INTEREST

(Beyond a shadow of a doubt)

Bulletin 28 of April 8 said: Expansion of the 20 meter phone band becomes effective May 22, 1983 at 0001 UTC. The new phone bands will be as follows. 14150 to 14175 kHz Extra, 14175 to 14225 kHz Advanced and Extra, 14225 to 14350 kHz General, Advanced and Extra. This is not effective until May 22, 1983 at 0001 UTC.

Bulletin 30 of April 18 says that an amateur radio station will be operated aboard the space shuttle scheduled to be launched in September, 1983. Details later in QST.

Bulletin 31 of April 20 says that FCC has issued a public notice, stating that it does not intend to reissue unassigned call signs in the foreseeable future. It extends to two years the time in which an expired call sign can be renewed, and an expired secondary call sign can be transferred to a primary license.

Thanks to Frank, N6AT, for the bulletin information.

QUORUMS

Our present constitution does not require a percentage of the total membership to make a quorum. It requires two officers and 40 members, so that your membership in the Club does not increase the number required for a quorum. We have one good member, W1LE, who volunteered to resign to reduce the number required since he is unable to attend meetings. Thanks anyway, Dick, we do appreciate your kind thoughts and your support.

VISITORS' DAY AT THE W6AM RHOMBIC FARM

Those of you who would like to visit the fabulous W6AM Rhombic Farm on Palos Verdes Peninsula may do so on Sunday, June 12 from 1 - 5 p.m. Go south from the 405 Freeway on the Harbor Freeway to Anaheim St. Turn right to the Palos Verdes hills (5 corners), bear left up the hill on Palos Verdes Dr. North, 3.8 mi. to Hawthorne Bl. Turn left, up the hill 2 mi., past the Peninsula Shopping Center to "Highridge Rd.". Go left 3/4 mi. to 28503 Highridge Rd. Drive in 2 blocks to the 100' long "Ham Shack".

SICK CALL

Bob, N6DYO, went in for cardio-version due to an arrhythmic heartbeat. Says he got a good jump start and is off and running.

Walt, W6SCI, spent a week or so in Tri-City where they hauled him out to get the barnacles and moss scraped off. He's back home now, and keeping his usual jaundiced ear on the repeater.

DOWN THE TROBE

Congratulations to Dora, N6GGW, who passed her Advanced Class exam on the 5th of April. Quite an accomplishment for a lady who doesn't see!

Not to be outdone, 20 wpm Pat Crossman went to Long Beach on the 6th and passed her General Class written exam, gave the Advanced Class exam a good shot but missed it by three. She says she's going back on May 18th and give the Advanced and Extra Class exams a whirl. With any luck at all she'll be an Extra Class before she gets any kind of license in hand.

Sure is nice to see Felix, N6IE, back into the fold as a club member. He re-upped just so he could vote on the acquisition of the repeater site.

John, WB6IQS, is giving his pickup a \$1,700 tune-up. For that price he can put a brand new from-the-factory engine in the thing, which he feels is considerably cheaper than \$7-8K for a new one. Sic 'em, John. He's trying to make up for it by getting rid of his nice Heathkit TV, which he'll haggle over at 724-8380.

Boots, W6HAW, is off over in Arizona Territory in motor home, so we hear. Sure was good to see him and his faithful indian companion, Jack, W6QP at the last club meeting. Of course, there were any number of faces we hadn't seen for a day or two like Max, W6DEY; Bob, WA6NNC; Johnny, W6VQU; Art, W6EVL; Edith, K6AYJ; Gene, K6EJO, (this is no drill); Charlie, KE6QV; Burr, WA6VYD; Burr Jr., WA6VYC; Dave, WA6HQM; and a batch of others too.

"That's all", she wrote.

ARRL FIELD DAY, 1983

The Palomar Amateur Radio Club will participate in the ARRL's 1983 Field Day Contest on Saturday and Sunday, June 25-26. The Club needs operators, loggers, swampers, and spectators to cheer them on to greater efforts. Please help your club receive top recognition. Your help for Field Day can give W6NWX the high points it deserves. If you can visit the site for even one hour to log or operate (or anything in between), we need your help! Visitors are welcome. Come out and have a look (you'll get yourself a picnic drawing ticket too - if you can find the sign-in sheet).

Paul, WA6OLI, our 1983 Field Day Committee Chairman, needs an indication of your participation, and would like you to fill out the following and get it back to him at the May club meeting.

NAME, CALL, AND CLASS OF LICENSE _____

(You must bring your license or a copy if you intend to operate.)

I CAN OPERATE___ LOG___ COOK___ HELP SET UP___ BREAKDOWN___ OTHER___

TIME(S) AVAILABLE_____

BAND(S), MODE(S) PREFERRED_____

I CAN BRING THE FOLLOWING EQUIPMENT_____

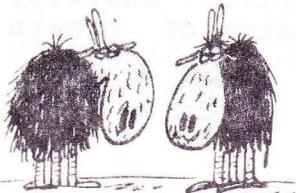
I CAN BRING THE FOLLOWING ANTENNA(S)_____

I CAN BRING A GENERATOR WITH AN OUTPUT OF _____ KW. HOORAY, HOORAY!

REMARKS_____

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2nd Class Postage paid at Vista, CA 92083



John Kuivinen
WB6IQS 07/83
P.O. Box 1466
Vista CA 92083

W6NWX

Scope



VOL. XVIII, NO., 6

1936 - 1983

JUNE, 1983

PRESIDENT: Bob Clark, N6DYO, Oceanside
VICE PRESIDENT: Ed Ross, N6GZI, San Diego
SECRETARY: Billy McCord, WB6TBQ, Vista
TREASURER: John Tentor, W6OLQ, San Diego
EDITOR: Ralph Crossman, K6HAV, Vista

MEMBERSHIP

Membership in the Palomar Amateur Radio Club is \$12 a year with no initiation fee, and includes a whole spine-tingling year of SCOPE - like it or not. Since the Club's fiscal year starts in July, and all memberships end in August, new members this month may join for a paltry \$2. Family memberships are \$12 for the first family member and \$9.50 for each subsequent family member living at the same address. Weird folks who actually WANT to get the SCOPE without benefit of club membership may do so by springing for a whole year of it for \$2.50 - more, a whole lot more, if you have to have it in plain brown wrapper.

Make checks payable to the PALOMAR AMATEUR RADIO CLUB, INC., and get them to our Treasurer at the address above, or hand them to him. Each attendance gets you a ticket for the picnic prize drawing.

REPEATER USE AND CLUB MEMBERSHIP

Now that we have our own repeater site, with accompanying 240 easy \$119 monthly payments, it behooves ALL of us to become membership committee members and do some active recruiting. We also have our repeaters to support, insurance to pay for, the Gilmour Scholarship, and various other operating expenses to defray. Let's all invite our friends who are frequent users of the repeaters to join the Club and lend their support. The regular use of the Club's repeaters by non-members is really not fair to those of us who DO support the Club. If you invite folks to use OUR machines, please do US a favor and invite them to join the Club!

Let's all also remember that each of us is only a 1/265th of the Club as we hold the button down for that half-hour QSO on the 2M machine.

PREZZ RELEASE

I find it difficult to believe we can't find enough volunteers to man a public service or community event. It seems like two meters always has its share of ragchewers, but a call for volunteer communicators for a bicycle race or a March of Dimes walk brings a lot of blank stares and silent responses.

C'mon folks - give at least one day a year to one of these events - you polish your skills and promote amateur radio at the same time. For starters, Encinitas Flower Festival needs operators on June 4th and 5th. Call Emily, WA6ZKC, or Bob, WA6QQQ. Carlsbad has its Annual Triathlon on July 9th and needs a ramrod and operators. Call Bob, N6DYO.

73 de N6DYO

JUNE CLUB MEETING

The June meeting of the Palomar Amateur Radio Club will, without fail, probably take place in the Community Room of Glendale Federal Savings and Loan at the corner of Anza, Vale Terrace, and East Vista Way at 7:30 of the evening on the first (of June - if my memory serves me). The program for the evening will be a Videotape of the Club's Field Day site on the property of Paul, WA6OLI. Paul, who is our Field Day Committee Chairman, will present the videotape and tell of the Club's plans for Field Day.

Stan, W9FQN, says that for SHOW-AND-TELL for the June meeting there will be:

1. An exchange session for Timex TS-1000 and Sinclair ZX-81(80) owners before the club meeting (7:15) and during intermission. On display will be a TS-1000 with a Memopak 16K, I/O board with clock, magazines and catalogs. If you have anything of interest to Timex/Sinclair owners, be sure to bring it to share with others in the group. Information will be available on CW/RTTY for this \$70 computer. (If there is interest, we will have a VIC-20 meeting soon too.)

2. A display of an audio limiting amplifier (CW Electronics), which will put out a constant 0-8V peak-to-peak (adjustable) for inputs between 100mV and 10V peak-to-peak.

MAY CLUB MEETING

At our May meeting, Patricia Johnston, of the Sheriff's Crime Prevention Unit, gave us a slide show on the ASTREA helicopters in law-enforcement work; and told us about Operation Identification and the marking of items with the owner's driver's license number and state as an aid to identifying the owner thereof.

John, WB6IQS, restated the need for a clean-up detail for the repeater site on May 7th. Several volunteers stepped forward after Pres. Bob, N6DYU, threatened to disclose little known facts about their private lives.

The Club directed its SANDARC representatives to vote affirmatively on the expenditure of SANDARC funds for amateur radio equipment for the Imperial Beach Fire Department vehicle - about \$555; and on the donation of \$1,000 to AMSAT through the ARRL Matching Fund Program.

Paul, WA6OLI, our Field Day Committee Chairman, described the two available Field Day Sites: the one at W6IAB, Camp Pendleton, and the one on his property in Valley Center.

Bob, N6DYU, talked about the need for a Club disaster organization; and about possible other club projects such as a licensing course.

Stan, W9FQN, says that he checked the power output of 11 HTs in the SHOW-AND-TELL portion of the club meeting. He says he may try the same thing for mobile rigs and base stations soon if there's enough interest. Stan says "thanks" to W6JSP and K6HAV for the use of their watt meters. Another possibility is a frequency and deviation clinic. (Editors note: Boy, do we need the deviation clinic!)

We didn't win even one prize. Terrible meeting.

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at Carrow's Restaurant on South Santa Fe near the corner of Escondido/Sunset across from Von's in Weestful Veesta. Club members are welcome to observe - quietly, and with the reserve for which we amateurs are noted.

At the May meeting, the Executive Committee voted to hold the Club's Field Day activities in Valley Center on property belonging to Paul, WA6OLI. The Committee also to voted deestablish the Repeater Sinking Fund, and to return all monies in it and all monies except \$200 in the Scholarship Fund to the general funds in the Club's treasury in view of the Club's purchase of the repeater site and the ensuing \$199 per month mortgage payments. Bob, N6DYU, announced that Emily, WA6ZKC, had agreed to accept the post as Picnic Committee Chairperson. A going picnic this year!

PARC PARTICIPATION IN ARRL FIELD DAY

The PARC will participate in ARRL Field Day on 25-26 June in Beautiful downtown Valley Center. Our FD Chairman, Paul, WA6OLI, says:

"Early replies indicate a good turnout for an exciting Field Day! We have an excellent site with plenty of open space and ample room for parking. Operators will have the choice of field locations or the use of the porch or some interior space in a 3-bedroom house. Sleeping and bathroom facilities are available, and we have eight acres of room.

My gracious and most supportive wife, Barbara, has volunteered to prepare Saturday night dinner, Sunday breakfast, and lunch! She is an excellent cook - my slight build notwithstanding. Bring your own liquid refreshments. Please call Barbara if you will be there for dinner or breakfast.

More volunteer ops and loggers are needed. Call me at home, 942-0656, or at work, 459-3636 & 942-8002, if you can help. Lets make the PARC #1 in the San Diego Section as we did on Sweepstakes from this same site! It is a great radio location.

Talk-in on W6NWG/R and on 146.52. Signs will be posted on West Lilac Road. The site is at 9865 West Lilac Road at Covey Lane, directly across the street from Linda Vista Nursery."

A map, showing the location of our FB FD site, appears on page 6 - with any luck at all.

Paul will show us a videotape of the FD site at our June club meeting, and will discuss the plans for the Club's operation.

ANNUAL CLUB PICNIC ON AUGUST 14

The Annual PALOMAR AMATEUR RADIO CLUB Picnic will be held on Sunday, August 14th in San Dieguito Park, which is east of I-5 on Lomas Santa Fe Drive in Lomas Santa Fe. The Club will spend up to \$500 on prizes which will go to the lucky ticket holders. Tickets are based on participation in Club events (including one for joining or reenlisting), and cannot be purchased.

Emily, WA6ZKC, says that we will go back to a pot luck dinner at this year's picnic. Folks with a last name beginning with letters A-H will bring a casserole or meat dish, those beginning I-P should bring a salad, and those Q-Z bring dessert. Non-cooks should stop by the Colonel's or Shakey's or some such. Each dish should be enough to serve eight folks.

The Club will provide coffee, punch, eating hardware, napkins, plates and cups - you just bring your appetite and your assigned dish. If you want anything other than punch or coffee, B.Y.O.

Emily says that she's trying to arrange for entertainment for us too! Remember, save 14 Aug for peekneek. CU there. Sure would be nice to win a prize for a change - haven't won one since 1981!

REPEATERS

The Palomar Amateur Radio Club owns and operates two repeaters, both of them W6NWX, on Mount Palomar at about 5,600'. One is a two meter FM repeater with an input of 146.130 MHz, and an output of 146.730 MHz. The other is a 450 MHz machine with an input frequency of 444.425 MHz and an output of 449.425 MHz. They are for club members and occasional and transient users.

Co-located with W6NWX on Mount Palomar is WD6HFR, an open repeater of the 220 Club of San Diego for the use of its members and transient and occasional users. The frequencies are 223.300 MHz in and 224.900 MHz out.

Steve Cilurzo, KA6YBC, of Carlsbad, Chief Engineer of radio station KUDE, has an open repeater on the San Marcos Mountains. He invites one and all to use it. Its input is 223.080 MHz and its output is on 224.680 MHz.

On Saturday, May 7th, Brian, KF6BL; Stan, W9FQN; Bill, N6GSS; Ed, N6GZI; John, WB6IQS; and Bob, WA6QQQ; went to the repeater site on Mount Palomar and conducted the annual clean-up of brush, leaves, and other combustibles near the building. Other work was also done on the repeater control system and its antenna and feedline. Pat, N6INN, provided the lunch, none of which was returned to sender. John says that the radar is doing its usual bad thing to the 450 machine and is about 15 db stronger than a typical mobile station at times. A grand time was had by all. The Club certainly appreciates your good works and the time and effort you all spent for us.

The 2M machine has been experiencing some interference from one or more Spanish-speaking stations. Stan, W9FQN, is willing to "look" in the border area if he could get some assistance in the way of information on the interfering station(s). He would like folks, particularly in the South County area to listen on the input and try to get a bearing on the signal source. He would like to know the bearing and your location. Are they keying up any other repeater? Can you hear who they are talking to and the bearing of the other station? Contact Stan on W6NWX/R or call him at 749-0276.

John says that NASSCO, through, Bob, WA6NNC, has provided the Club with the RG-214 that was needed for the repeaters. Thanks to NASSCO and to Bob.

FLEA MARKETS

Electronic-oriented flea marts in operation are the ones in San Diego 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 Boulevard 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 18th. TRW talk-in on 145.32 MHz simplex.

NORTH COUNTY TRAFFIC NET

The Club's North County Traffic Net meets on W6NWX nightly at 2000 local to handle written traffic. No net on club meeting night. If you wish to be added to the roll of a particular net, make your request to that net's NCS. Our net manager is Joe, WB6HMY. Joe says that he needs more volunteers for NCS, SCNV Liaison Stations, and Net Manager. Additional stations in areas of the county not presently covered would also be most welcome.

Listening to the folks handling traffic out of, and into, Coalinga after the quake, it was quickly apparent that all of those folks who haven't the time for learning the ARRL message format - or anything else about handling written 3rd party traffic - had again rushed into the breach to fill the

role of Helpful Harry (and Harriet - we don't want to short the distaff side in this day and age) and jam up the traffic nets with ill-prepared emergency traffic. That's one of the things that our NCTN does - it helps to prepare us for the preparation, handling, and delivery of formal written 3rd party traffic. If you'd like to learn, come in and get your feet wet. Our NCSS and net members are always willing to help newcomers.

BADGES

The previously described John Tentor will be glad to take your \$\$\$\$ at the meeting so that he can order you an OFFICIAL Palomar Amateur Radio Club badge from the Cheap Badge Company. If you are fairly certain, let John know who in the blue-eyed world you are and he can order your badge with your very own name and call sign on it, just like the Big Guys have. John will jump for joy and leap with alacrity to get YOUR money into the banque.

John still has badges anxiously awaiting their owners, who are: WD6ATX, K6BPT, WD6CLG, N6DRX, WD6ENI, WA6ESG, N6GCI, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and W6ZYT. If you're not really sure of yourself but would still like a badge, John just might let these go at veery reasonable price\$.

FORESAIL

(What a bunch of Jib erish)

There is NO charge for personal ads of Club members in SCOPE. Send ads to SCOPE, 3716 Bluebird Canyon Rd., Vista, CA 92083. Scope deadline is two weeks before the first Wednesday of the month. Subscription correspondence and anything else for the Club goes to P.O. Box 1603, please!!

Collins 30L-1 linear amp w/near new 811As, \$500; Collins KWM2A xcvr r/e w/rejection tuning, \$675; Collins VFO console 312B-5 r/e new, \$375; Collins KWM2 xcvr w/e w/516 F-2 a.c. pwr supply w/spkr, \$475; rare Collins SM-3 desk mike, \$65; D-104 dynamic desk mike w/Collins plug, \$35; Kenwood communication rx R-1000 near new in original carton, \$250; Kenwood 2M FM xcvr 7400-A, \$150; Kenwood HF xcvr TS-830-S, \$650; Kenwood spkr SP-820 w/hi-low filters, \$40; Kenwood phone patch PC-1, \$40; Kenwood antenna tuner AT-130 \$85, Kenwood mike MC-50 \$30, Bearcat 250 scanner near new w/manual, \$165. 6/83

Tri-Ex 25' free-standing crank-up tower, never used, \$300 or haggle. Call Steve, WA2NNT, at 729-7318.

Collins 75A-4 ham rx w/.5, 1.5, and 3 kHz mechanical filters, vernier dial, and book. FREE: RAK rx, covers 15 kHz-600 kHz; RAL rx, covers 300 kHz-23 MHz. Bring strong back or fork lift. Call Art, W6EVL, 728-1717. 5

Wangco 10M byte top-loading 14" RK05 hard disc drive w/controller for DEC PDP-11, presently in operation. Call Phil, K6ROR, at 724-0098. 5/83

Sanyo VM 4509 video monitor, \$150. Call Bob, WB6TKU, at 741-1541. 5/83

Cushcraft 11 elm 2M beam w/balun, complete Hallicrafters station with HT-44 tx, SX-117 rx and PS-150-120 pwr supply & spkr w/extra tubes and mike, B&W all band folded dipole. Call Ed, N6GZI, at 270-1697. 5/83

Wanna buy the farm? 10M 3 el Hi Gain w/balun, 70' coax, TV type rotator, 35' mast ready to put up, \$50; 15M 3 el Hi Gain, \$30; 20M 3 el Hi Gain, \$25. Have gone quad. Call Al, W6NBH, at 741-1320 any time. 5/83

ICom 215 2M FM portable xcvr w/built-in telescoping antenna and rechargeable batteries or 12vdc operation. Includes 15 xtals for local freqs, and rubber duck antenna, cigarette lighter adapter, shoulder strap, battery charger and A.C. base supply. With manual. Some unreasonable offers rerused. Call Al, N6GNB, at 741-1840. 5/83

Drake all band rx SSR-1, cost \$350, like new, \$185. Call Jack, W6QP, at 724-3341. 3/83

Yaesu FT-20/ HT w/desk charger (for charging wayward desks??), speaker mic, and 5/8 wave antenna. Hy-Gain three elm 10M beam in fine condx. Vibroplex "Original" Bug. Call Dave, WA6HQM, at 753-2605. 5/83

Collins 32S-3 w/DX Eng. Processor, 516F2 pwr supply, \$495; 75S3-B w/500 Hz filter, \$475; or \$895 for the two; 200 Hz filter, \$100. Call Herb, W6FET, at 728-8615. 3/83

Drake W4 wattmeter, \$25. Ameco Model PT 1.8-54 MHz pre-amp, \$45. Following is all Yaesu: FT101 10-160M xcvr w/manual, \$200; FT101B 10-160M xcvr w/manual, mike, \$400; FV101B external VFO, \$75; SP101P Landliner phone patch and speaker, \$50. 14ATV vertical antenna, \$25. Call Hosstrader Bob, N6DYO, at 439-7058.

Heatn HW-100 HF xcvr & pwr supply. Electrovoice 638 dynamic Hi-Z mike with PTT. Hallicrafters HA-1 TO keyer. Call Harry, W6TCI, at 724-3471. 4/83

Atlas 210X, console, power supply, and mobile mount, \$300 firm. Yaesu 207R H.T. w/mike-spkr, 2 batteries, 2 antennae, 2 a.c. chargers, and d.c. holder, \$225. Call Jack, WA6CWG, at 747-7157. 6/83

(FORESAIL continued)

KLM KT34XA 6-elm tri-band beam. Call Dick, W6MUO, at 724-0323. 6/83

WANTED

(A few good men)

50' or higher free-standing or side-support crank-up tower. Call Steve, WA2NNT, at 729-7318.

PARC ENLISTMENTS AND REENLISTMENTS

Welcome to Don Krusen, KD6PP, of Fallbrook who has just enlisted.

Welcome back out of the cold to Mike Brega, W6AAM; and for shipping over for next year to Bill Bowen, N6FMK; Maurice Horrell, KB6QF; and Carl Wallace, K6YEO, who's still adrift somewhere around Cabo San Lucas with XYL Leona, WA6OHB.

LICENSE EXPIRATIONS

6/83: KD6BW and KB6AI. 7/83: K6QCW, WA6KZN, W6TFB, and WA6AIM.
7/83: W6IPP.

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-ington (CT 06111, that is), and it won't cost you even an additional red centime or peseta. The ARRL tab is \$25 per year, two years for \$49, or three years for \$72. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to John, W6OLQ, at the Club's P.O. Box address or in person at club meetings.

ARRL BULLETINS OF INTEREST

(Can there be any doubt?)

None so far this month, but be reminded of the expansion of the 20M phone band effective 22 May. Extra Class down to 14.150 MHz, Advanced Class to 14.175, and General down to 14.225 - all from 14.3 MHz, of course.

Thanks to Frank, N6AT, for the bulletin information.

SICK CALL

Bob, N6DYO, our sterling Prezz, was back in the hospital at Camp Pendleton for a day or two.

Not one to be outdone, Walt, W6SCI, joined the merry throng at Tri-City West for a week or so. Why don't you guys get off it??

Le\$\$, W6J\$L, couldn't stand the competition and turned himself back into the VA hosp in La Jolla.

DOWN THE TOOBE

Congratulations to Pat Crossman, who is now N6INN. Talk about an "in" call! She's busily terrorizing W6NWG/R on 2M and 450, and has done industrial strength nagging to get an HF station back on the air at K6HAV/N6INN.

Thanks to Phil, K6ROR; Joe, WB6HMY; Bob, N6DYO; Bob, WA6KZN; and Marty, K6NS; for their help in getting the May Scope on the street.

Felix, N6IE, is back in town after visiting points east. He operates mobile CW which keeps him awake for those straight-through trips. Felix says he likes a nice comfortable 25-30 wpm as he rolls along. Wish I could do it sitting still! Maybe Stan, W9FQN, can get together with Felix and set up a deviation clinic for the Club, with the aid of Felix' deviation meter.

Surprise, surprise. Sam, KD6BW, was actually heard on the air in May or late April.

Dora, former N6GGW, is now KT6TF. I liked the old one better. This one's a mouthful.

We heard Judy, KA6MLY, up on the repeater the other day. Hope she decides to get active and rejoins the club. She sure did her share to help while she was a member.

Dick King, WB7NFH, sends greetings from Ewa, HI, and says he's alive and kicking after having spent five months in the far east. He needs finals for an Atlas XL350, and help in renewing his license. For the license renewal, send a completed FCC form 610 (available from the FCC or from ARRL - SASE, please) and a copy of your license to FCC, Box 1020, Gettysburg, PA 17325. Retain copies of everything and make an entry in your log as to the date you mailed it off. You may make your application for renewal 90 days before the expiration date. Anyone with info on new finals for the Atlas XL350 can let Dick know at: 4249C Independence Ave., Ewa Beach, HI 96706.

(DOWN THE TOOBE continued)

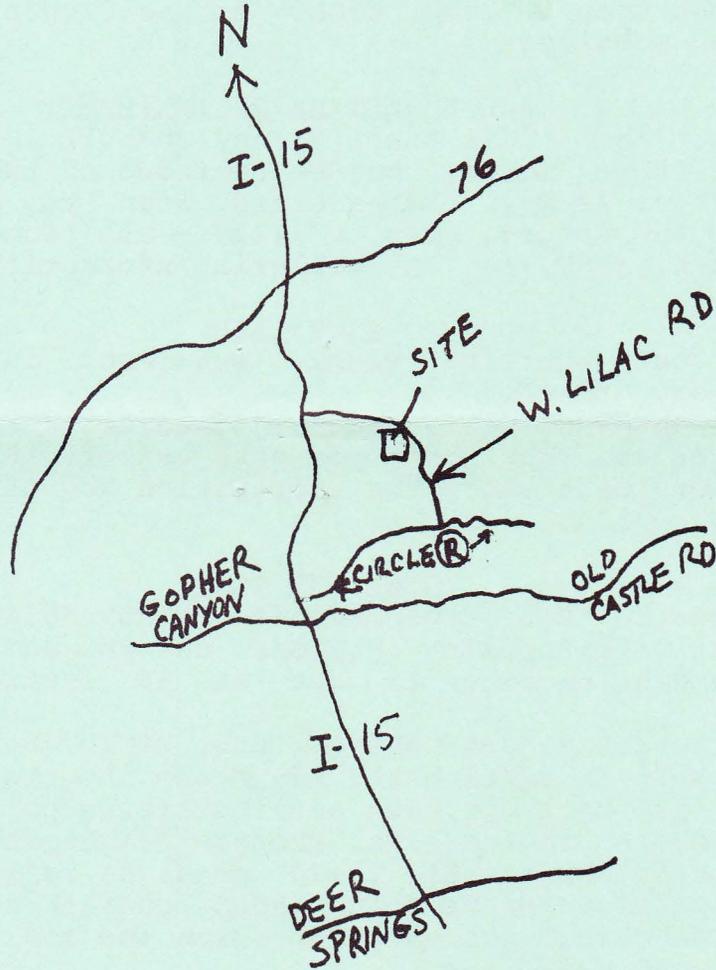
We sure do hope that all of those folks who, several months back, made such a strong pitch for the Club to be involved in things other than repeaters will come out and participate in Field Day and the club picnic in August. Or maybe they'd like to help out in one of N6DYO's club projects such as an amateur radio licensing class - there is none in North San Diego County to our shame - or assist in the planning for disaster communication teams from within the Club. Sure would be nice!

Bob, WA6KZN, has a new "compact" model 450 rig, but we understand that he had to move 2-3 bags of cement into his ham shack to keep it from raising from the ground when he moved out the old rack-mounted Motorola.

Likewise, Phil, K6ROR, has a new 450 rig. He and Bob are keeping the 450 MHz W6NWG/R busier than it's been in some time.

"That's all", she wrote.

LOCATION OF PALOMAR AMATEUR RADIO CLUB FIELD DAY SITE
9865 WEST LILAC ROAD AT COVEY LANE
Talk-in on 146.52 simplex or on W6NWG/R



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W6NWWG

Scope



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EDITOR: Ralph Crossman, K6HAV, Vista

BOB CLARK, N6DYO, SILENT KEY

On Sunday evening, June 5th, Bob Clark, N6DYO, became a silent key after having suffered a cerebral hemorrhage the night before. He will be greatly missed by his fellow amateurs and by the Palomar Amateur Radio Club which he so ably led during his half year in office as President. Bob was instrumental in the Club's purchase of its repeater site on Mount Palomar, although he did not live to see the completion of that purchase. An Air Force retiree who had undergone a series of cardio operations, Bob, nevertheless, gave unstintingly of himself to the Club, his family and friends. He had helped provide communications for the Encinitas Flower Festival on Saturday morning before he suffered his stroke. Bob will be remembered as an able leader and one of the best presidents the Club ever had. His passing shocked and saddened all who knew him.

ESCROW ON REPEATER SITE CLOSES - IT'S OURS, AT LAST!

On Friday, June 10th, the escrow on our repeater site closed with the recordation of the deed for the site in the name of the Palomar Amateur Radio Club, Inc. It's ours, complete with 240 easy payments. Now, the Club is no longer a tenant, but the owner of its own site.

While Bob Clark, N6DYO, did not live to see it, he did know that it would close. He certainly did his part to make it all come together.

Having been involved in the search for a repeater site from the beginning, there is a great deal of personal satisfaction in the completion of this transaction, and in the feeling that we no longer have to worry about being evicted because our landlord has RFI; or about having our rent raised. Happy day!

MEMBERSHIP

Membership in the Palomar Amateur Radio Club is \$12 a year with no initiation fee, and includes a whole spine-tingling year of SCOPE - like it or not. Since the Club's fiscal year starts in August, and all memberships end in July, we'd all better get withit and reenlist so we won't miss the August issue of SCOPE (Once a month does it - fortunately!). Family memberships are \$12 for the first family member and \$9.50 for each subsequent family member living at the same address. Weird folks who actually WANT to get the SCOPE without benefit of club membership may do so by springing for a whole year of it for \$2.50 - more, a whole lot more, if you have to have it in plain brown wrapper.

Make checks payable to the PALOMAR AMATEUR RADIO CLUB, INC., and get them to our Treasurer at the address above, or hand them to him. Each attendance gets you a ticket for the picnic prize drawing. DON'T FORGET, UNLESS YOU HAVE ALREADY REENLISTED, YOUR MEMBERSHIP EXPIRES THIS MONTH. DO IT!

JULY CLUB MEETING

The July meeting of the Palomar Amateur Radio Club will, without fail, probably take place in the Community Room of Glendale Federal Savings and Loan at the corner of Anza, Vale Terrace, and East Vista Way in Vista at 7:30 of the evening on the sixth (of July - with any luck at all).

The program for the evening will be presented by Stan Brokl, N2YQ, of the Jet Propulsion Laboratory Amateur Radio Club and Section Manager of the Los Angeles Section. He will show us some of JPL's best pictures from the Voyager missions to Jupiter and Saturn. Stan Brokl's presentations are highly spoken of and should be very interesting to all. The fourth award of the Club's scholarship will be made at this meeting.

Show and tell will feature a TRS-80 III, which will be programmed with the MINIMUF program appearing in December '82 QST. The computer will be available for members' use before the meeting and during intermission.

MINIMUF will calculate the maximum useable frequency (MUF) between any two locations on earth. You need to input the date, both latitudes and longitudes, and the solar flux number, broadcast 18 minutes after the hour by WWV. MINIMUF is easily converted to the Timex/Sinclair, Vic 20, Pet, and many other computers. If you would like a copy of the TRS-80 program, bring a S.A.S.E. to the meeting.

JUNE CLUB MEETING

At our June meeting, Paul, WA6OLI, showed us some very good video tape of the Club's 1983 Field Day site, and told of the Club's plans for its Field Day operations. Stan, W9FQN, gave a very interesting talk on the Timex/Sinclair computer. There was an excellent display of Timex/Sinclair goodies during the Show-and-Tell portion of the meeting. So good, in fact, that Alex, WB6TQF, who had brought a Timex to the meeting, sold it before things really got under way. During the business portion of the meeting, N6DYO told us that the escrow on the repeater site still had not closed, awaiting the transfer of the water share on the property, but that the transfer had been approved and the escrow should close in a week or so.

Bob, N6DYO, announced that since not enough PARC members had volunteered to support the Encinitas Flower Festival, five members of the Convair ARC had to be called on. This is rather strange since some PARC members were relegated to supernumerary status, their services not being needed. PARC members helping out totaled 27, or about 10% of the Club's membership.

Thanks to Ilean Clark who sold a big \$38 worth of tickets for the prize drawing. Sure wish more folks would support the Club by buying a few.

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at Carrow's Restaurant on South Santa Fe near the corner of Escondido/Sunset across from Von's in Weestful Veesta. Club members are welcome to observe - quietly, and with the reserve for which we amateurs are noted.

At the June meeting, with a deep sense of loss for our President, Bob, N6DYO, and with Ed, N6GZI, presiding, the Executive Committee proceeded with club business: 1. A motion was made, seconded, and passed that Vice President N6GZI assume the duties of President, PARC. 2. Club banner presented. Special thanks to N6IE, K6NS, and N6AT for locating the banner. 3. The need for a club quartermaster to keep track of all club equipment was discussed. 4. Moved, seconded and passed that the Club scholarship be changed from the William J. Gilmour Scholarship Fund to the Palomar Amateur Radio Club, Inc. Scholarship Fund in order to have the name of the scholarship more closely connected with the PARC. 5. In view of the Club's landlord status, a review is to be conducted of the Club's liability insurance. 6. The rents charged to tenants of the repeater site were considered.

A grand time was had by all.

FULL COURT PREZZ

There has been some question of the status of the YL Net, which meets on W6NWG/R on Tuesday mornings at 9:00. With the full backing of the Executive Committee, I wish to state that the net is not only sanctioned, but is encouraged. All YL club members, guests, and visitors are invited to check in to this unique net, by and for YL amateur radio operators. Emily, WA6ZKC, is Net Manager and NCS. She sets a fine example for all.

Well done. Carry on, ladies.

73 de N6GZI

CLUB-OWNED EQUIPMENT ROUND-UP

Are you storing any gear for the Club? How about coffee pots, large G.I. cannibal pots, parachutes, band pass filters (Harmonikers), or the like. The Club would like to know about it since it's always a problem to remember who in the blue-eyed-world is providing storage when the gear is needed for Field Day or picnic or whatever. Get the word to Jim Church, K6SLA, if you are storing any of the Club's gear. Jim's agreed to keep track of its location.

FOURTH AWARD OF THE PALOMAR AMATEUR RADIO CLUB SCHOLARSHIP

The fourth recipient of the Club's scholarship is Mr. Thuan Tran, of Escondido, an electrical engineering student at Palomar College. The \$200 scholarship will be awarded at the July club meeting.

LES CLARK, W6JSL, SILENT KEY

Les Clark, W6JSL, became a silent key on Sunday night, May 22 in the VA Hospital in La Jolla. Les was a long-time member of the PARC, and helped in the incorporation of the Club. He served on the Bill Gilmour Scholarship Committee, and was a retired Marine, nearly totally incapacitated from polio. He had schooled himself in digital electronics and became successful in the design and manufacture of small digital devices despite his infirmities. His passing saddened all who knew him.

PARC PARTICIPATION IN ARRL FIELD DAY

At this writing, it appeared that our Field Chairman, Paul, WA6OLI, was finally getting a goodly response to his requests for folks to participate in the Club's ARRL Field Day contest. Continued next month - with any luck at all.

ANNUAL CLUB PICNIC ON AUGUST 14

The Annual PALOMAR AMATEUR RADIO CLUB Picnic will be held on Sunday, August 14th in San Dieguito Park, which is east of I-5 on Lomas Santa Fe Drive in Lomas Santa Fe. The Club will spend up to \$500 on prizes which will go to the lucky ticket holders. Tickets are based on participation in Club events (including one for joining or reenlisting), and cannot be purchased.

Hooray, Hooray, Emily, WA6ZKC, says that we will go back to a pot luck dinner at this year's picnic. Folks with a last name beginning with letters A-H will bring a casserole or meat dish; those beginning I-P should bring a salad; and those Q-Z bring dessert. Non-cooks should stop by the Colonel's or Shakey's or some such. Each dish should be enough to serve eight folks.

The Club will provide coffee, punch, eating hardware, napkins, plates and cups - you just bring your appetite and your assigned dish. If you want anything other than punch or coffee, B.Y.O.

Emily says that she's trying to arrange for entertainment for us too! Remember, save 14 Aug for peekneek. CU there. Sure would be nice to win a prize for a change - haven't won one since 1981!

COMPUTER CORNER

de W9FQN

Skip, K6BPT, has ordered the NU4V split screen CW program and circuit board for the Sinclair/Timex computer.

QZX, published monthly, is a journal covering amateur radio items for the ZX-80, ZX-81, and TS-1000 computers (Sinclair/Times). Write to: QZX, 2025 O'Donnell Dr., Las Cruces, NM 88001.

Most of the folks who signed up at the last meeting indicated their main interest is in RTTY. Signing in were: Sinclair/Timex N6GSS, K6BPT, KF6C, KA6DVN, N0AL, and W9FQN; VIC-20, W6JSP, WB6TBQ, N6IE, WA6ZKC, WA6ZKD, KF6BL, WB6ZJZ, K6HAV, WA6KZN, WA6HQM (the last three didn't sign in but are known to be interested in the VIC-20); TI-994/A, WB6NIG; H89, N6ELP and K6AZF.

WA6KZN, W6JSP, K6HAV, WA6HQM have ordered or already have the interface between the VIC-20 and their radios for CW, RTTY, and ASCII send and receive. Dave, WA6HQM, is waiting for someone to talk to, and Bob, WA6KZN, has been heard on 450 MHz and on 75M with RTTY.

The May-June RTTY Journal has a VIC-20 oriented ad in it. A S.A.S.E. to Amateur Accessories, 6 Harvest Ct., RD 7, Dept R, Flemington, NJ 08822 will get you info on the ham-related software, kits, and schematics. Or you can phone: 201-782-1551.

REPEATERS

The Palomar Amateur Radio Club owns and operates two repeaters, both of them W6NWG, on Mount Palomar at about 5,600'. One is a two meter FM repeater with an input of 146.130 MHz, and an output of 146.730 MHz. The other is a 450 MHz machine with an input frequency of 444.425 MHz and an output of 449.425 MHz. They are for club members and occasional and transient users.

Co-located with W6NWG on Mount Palomar is WD6HFR, an open repeater of the 220 Club of San Diego for the use of its members and transient and occasional users. The frequencies are 223.300 MHz in and 224.900 MHz out.

Steve Cilurzo, KA6YBC, of Carlsbad, Chief Engineer of radio station KUDE, has an open repeater on the San Marcos Mountains. He invites one and all to use it. Its input is 223.080 MHz and its output is on 224.680 MHz.

COLLEGE CREDITS FOR UPGRADING

See the Stray on page 64 of the June, 1983 QST.

IF YOU CAN'T SELL IT, GIVE IT TO THE PARC

If you'd rather give it to the Club than drive all the way to Santee or Redondo Beach, give Brian, KF6BL, a call and ask him to stop by and pick up your surplus KWM-380 or 100' crank-up tower for the Club. He'll not turn it down (no SCR-522s need apply), although we do reserve the right to serve refuse to anyone regardless of race, color, sex, or creed, and the CLU be darned. Anyway, the Club will enrich its coffers while you clean out your shack or garage. DO IT!

Thanks to Bill, K6GJD; Felix, N6IE; and Woody, W6QWH, for their donation of equipment to the Club. Every little bit helps. Now, if we can just get Brian, KF6BL, up and running and going back to the flea markets to sell all of this donated equipment.

FLEA MARKETS

Electronic-oriented flea marts in operation are the ones in San Diego 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 Boulevard 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 on 145.32 MHz simplex.

NORTH COUNTY TRAFFIC NET

The Club's North County Traffic Net meets on W6NWG nightly at 2000 local to handle written traffic. No net on club meeting night. If you wish to be added to the roll of a particular net, make your request to that net's NCS. Our net manager is Joe, WB6HMY. Joe says that he needs more volunteers for NCS, SCNV Liaison Stations, and Net Manager. Additional stations in areas of the county not presently covered would also be most welcome.

BADGES

The previously described John Tentor will be glad to take your \$\$\$\$ at the meeting so that he can get you an OFFICIAL Palomar Amateur Radio Club badge. They won't be from the Cheapy Badge Company though, since John has dumped them for a much better and cheepeer deal. It'll save you \$\$\$ too. If you have some idea of who in the ever-loving blue-eyed world you are, let John know and he can order your badge with your very own name and call sign on it, just like the Big Guys have. John will jump for joy and leap with alacrity to get YOUR money into the banque.

John still has badges anxiously awaiting their owners, who are: WD6ATX, K6BPT, WD6CLG, N6DRX, WD6ENI, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and W6ZYT. If you're not really sure of yourself but would still like a badge, John just might let these go at veery reasonable price\$.

FORESAIL

(What a bunch of Jib erish)

There is NO charge for personal ads of Club members in SCOPE. Send ads to SCOPE, 3716 Bluebird Canyon Rd., Vista, CA 92083. Scope deadline is two weeks before the first Wednesday of the month. Subscription correspondence and anything else for the Club goes to P.O. Box 1603, please!!

All 2M FM: Swan FM-2X xcvr w/AC pwr supply and lots of xtals, \$50. ICom IC-230 xcvr w/Heathkit HWA-202-1 AC supply, \$100. ICom IC-21 base station xcvr w/lots of xtals, \$75. All with manuals, connecting cables, mobile mounts. Call Ralph, K6HAV, at 727-5866.

Atlas 210X Limited Edition w/AC pwr supply, AFC unit, DD-6 digital dial, and mobile cable. Digicom 100 CB xcvr converted to 10M, Marko 100W 10M mobile amplifier, HyGain 10M mobile antenna, and 2M Ringo. Some ridiculous offers will not be considered. Call Emily, WA6ZKC, at 756-3320. 7/83

Yaesu FT 207R HT w/TT pad, charger, Drake AA-10 10W amp, mag mount mobile antenna, \$175. ICom IC-230 2M FM xcvr w/Heath HA202 40W amp, mag mount mobile antenna, \$115. ICom IC-230 w/DyCom 40W amp, mag mount antenna, \$115. Wilson MkII HT w/spkr-mike, wall charger (for use on un-charged walls), \$55. Tempo FMH HT w/wall charger (ditto), \$55. All items to be sold as sets, as listed. Call Burr, WA6VYD, at 757-6070. 7/83

Complete working computer system: SWTPC 6800 running at 2 MHz w/40k static memory, 1 serial and 2 parallel ports; 16 channel A/D converter; dual mini floppy drives; 16 X 64 CRT terminal. Software includes: OS, editor, assembler, text processor, Random BASIC, small data base manager, and games. Can be used for electronic RTTY and CW. \$500. Call Bob, K7WLX, at 729-5519 (HP) or 714-493-8181 (WP). 7/83

IRL-1000 T.V., \$325. Tempo VHF One, make offer. Call Dee, N6ELP, at 753-5647. 7/83

Kenwood TS-820 xcvr w/remote VFO, CW filter, and built-in AC and DC supplies, recently factory checked, \$575 or make offer. Call Joe, WA6VNR, at 278-2752, and leave message on the machine. 7/83

Collins 75A-4 rx w/800 Hz and 2.1 kHz filters, Swan 600T tx w/D104 mike. Call Britt, W6PEU, at 728-4540. 7/83

Collins 30L-1 linear amp w/near new 811As, \$500; Collins KWM2A xcvr r/e w/rejection tuning, \$675; Collins VFO console 312B-5 r/e new, \$375; Collins KWM2 xcvr w/e w/516 F-2 a.c. pwr supply w/spkr, \$475; rare Collins SM-3 desk mike, \$65; D-104 dynamic desk mike w/Collins plug, \$35; Kenwood antenna tuner AT-130 \$85, Kenwood mike MC-50 \$30, Bearcat 250 scanner near new w/manual, \$165. 10-20M Mini-quad, assembled. Come and get it, \$50. Call Allen Willett, N7AMR, the mystery seller of last month, at 433-8881. 7/83

Tri-Ex 25' free-standing crank-up tower, never used, \$300 or haggle. Call Steve, WA2NNT, at 729-7318. 6/83

FREE: RAK rx, covers 15 kHz-600 kHz; RAL rx, covers 300 kHz-23 MHz. Western Union teleprinter. Call Art, W6EVL, 728-1717. 5/83

Wangco 10M byte top-loading 14" RK05 Q-bus hard disc drive w/controller for DEC PDP-11, presently in operation. Call Phil, K6ROR, at 724-0098. 5/83

Sanyo VM 4509 video monitor, \$150. Call Bob, WB6TKU, at 741-1541. 5/83

Cushcraft 11 elm 2M beam w/balun, complete Hallicrafters station with HT-44 tx, SX-117 rx and PS-150-120 pwr supply & spkr w/extra tubes and mik. Call Ed, N6GZI, at 270-1697. 5/83

Wanna buy the farm? 10M 3 el Hi Gain w/balun, 70' coax, TV type rotator, 35' mast ready to put up, \$50; 15M 3 el Hi Gain, \$30; 20M 3 el Hi Gain, \$25. Have gone quad. Call Al, W6NBH, at 741-1320 any time. 5/83

ICom 215 2M FM portable xcvr w/built-in telescoping antenna and rechargeable batteries or 12vdc operation. Includes 15 xtals for local freqs, and rubber duck antenna, cigarette lighter adapter, shoulder strap, battery charger and A.C. base supply. With manual. Some unreasonable offers refused. Call Al, N6GNB, at 741-1840. 5/83

Drake all band rx SSR-1, cost \$350, like new, \$185. Call Jack, W6QP, at 724-3341. 3/83

Collins 32S-3 w/DX Eng. Processor, 516F2 pwr supply, \$495; 75S3-B w/500 Hz filter, \$475; or \$895 for the two; 200 Hz filter, \$100. Call Herb, W6FET, at 728-8615. 3/83

Heath HW-100 HF xcvr & pwr supply. Electrovoice 638 dynamic Hi-Z mike with PTT. Hallicrafters HA-1 TO keyer. Call Harry, W6TCI, at 724-3471. 4/83

Atlas 210X, console, power supply, and mobile mount, \$300 firm. Yaesu 207R H.T. w/mike-spkr, 2 batteries, 2 antennae, 2 a.c. chargers, and d.c. holder, \$225. Call Jack, WA6CWG, at 747-7157. 6/83

KLM KT34XA 6-elm tri-band beam. Call Dick, W6MUO, at 724-0323. 6/83

Beautiful Weston panel meter, 0-7.5 amps AC w/internal shunt; 3 3/8" diameter, requiring 2 3/4" hole. Call Sandy, K6HE, at 745-6940. 7/83

WANTED

(Chlooooooe!)

50' or higher free-standing or side-support crank-up tower. Call Steve, WA2NNT, at 729-7318.

220 linear amplifier or equivalent, 50 lbs or less. Sell or trade Drake SPR 4 solid-state receiver wiith all the bells and whistles, Robot 800 w/manuals. Call Will, W2FWV, at 436-3277.

LICENSE EXPIRATIONS

7/83: W6IPP. 8/83: K6QCW, WA6KZN, W6TFB, and WA6AIM. 9/83: WB6VYC, WA6VYD, and WD6DNP. Y'all get hot and send your 610s to those deregulators, 'cause they're not THAT deregulated!

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-ington (CT 06111, that is), and it won't cost you even an additional red centime or peseta. The ARRL tab is \$25 per year, two years for \$49, or three years for \$72. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to John, W6OLQ, at the Club's P.O. Box address or in person at club meetings.

ENCINITAS FLOWER FESTIVAL

Some of the club members who helped provide communications for the Encinitas Flower Festival were: WD6BEZ, N6BLQ, N6DYO, N6ELP, N6ENI, WD6ENK, KA6FPS, W9FQN, KD6FY, K6GJD, N6GZI, K6HAV, WB6HMY, WB6HSZ, WA6HQM, N6INN, WB6IQS, WA6JCK, WA2NNT, W6OKG, WA6QQQ, W6SE, WB6TBO, KA6VMK, KA6YBC,

WA6ZKC, KB6ZO, and Ilean Clark. WA6QQQ was overall communications coordinator.

DEL MAR FAIR

Club members who helped with the SANDARC booth at the Fair were: KF6BL, N6ELP, WD6ENK, W6EYP, WD6FWE, W2FWV, N6GNB, N6GZI, N6GSS, N6GWJ, K6HAV, WB6HMY, N6HVE, N6HVF, WB6IQS, WA6KZN, WB6LEH, WA6NNC, K6NS, and W6VQU. KF6BL was coordinator. It was very helpful to have Bill, N6FMK, as the fair's Security Officer, and Earl, K6CLU, as one of the security force. Brian, KF6BL, was particularly interested since it became necessary to un-impound Brian's car. This was done at a \$40 saving to Brian. We appreciate Marty's antenna work and all the time he spent at it despite a game leg - even though it took some industrial strength nagging before it got done.

MOTOR GENERATOR SET DONATED TO CLUB BY PACIFIC TELEPHONE

In response to a letter by President Bob Clark, N6DYO, the Club has been informed that a surplus 3.5 KW motor generator set is very generously being donated to the Club by PACIFIC TELEPHONE. This handsome donation by Pacific Telephone will give the Club the means to establish the emergency communications teams that Bob, N6DYO, spoke of at his last club meeting.

Our heartfelt thanks to Pacific Telephone.

THE LATEST STRAIGHTEST FROM THE FCC

(One can hardly doubt)

The Commission has eliminated routine station log requirements for the Amateur Radio Service, doing away with the necessity for amateurs, including repeater trustees, to maintain a log of third party traffic.

The Commission has done away with the requirement for CW or phone I.D. on RTTY or fast scan TV.

The FCC has also asked for comments on its proposal to make additional frequencies available on the 10M band for repeater operation. The Commission is interested in receiving information on the need for repeater subband expansion, its impact on existing and future repeater and non-repeater operation and whether that impact would be acceptable to the Amateur community. The PR Docket number is 83-485.

The FCC has proposed, in PR Docket 83-524, that additional frequencies be made available to RACES in wartime.

In another action, the Commission has streamlined Amateur Radio Service rules to permit Interim Amateur Permits to be renewed; to permit photocopies of licenses to accompany renewal applications; to clarify some inconsistencies in the use of AMTOR; and to specify in the rules the requirement of the Communications Act that the Commission has the authority to inspect all radio installations subject to the provisions of any Act, treaty or convention binding on the U.S.

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

LATE STUFF FROM THE ARRL LETTER

(Get it while it's hot)

The FCC and the ARRL will work together on a project to test and evaluate RFI filters being sold to consumers. The filters will be tested at the FCC lab with the assistance of the League's Technical Department. The results will be published, as a member service, by ARRL.

PARC POLICY FOR JAMMERS ON THE REPEATER

Pay attention, this time, willya!

We hope that this time you will read the Club's policy, remember it, and act accordingly when we have crazies on the repeater. School is out and more than the usual number of nuts is on the loose.

The Club's long-standing and oft-stated policy is to IGNORE JAMMERS. Letting the jammer know he is being heard gives him the attention he so desperately seeks. If you're not sure whether or not you or someone else is being jammed, don't mention it. If you miss part of the QSO, continue the contact as if nothing was happening. We have folks who are anxious to help us find the crazies, but only if WE don't talk about it on any frequency. If you have information to pass concerning hearing the crazy on the input, pass it over the phone, not on 2M, 220, or 450.

At the same time that we ignore the crazies, listen on the input (it's 146.130 MHz), even if you don't have a directional antenna, and see if you can hear the interfering signal. Note the date, time, signal strength, any characteristics, and direction of the signal (if you have a beam). Dates and times are important to help establish a pattern to their activities.

Just remember: 1. Ignore them. 2. Try and locate them. 3. Remember that non-club members won't have had the chance to read this sterling prose

and may not know about the Club's policy regarding the loonies, so you may have to let them know about it - tactfully.

SICK CALL

Bob, NC6J, suffered a heart attack and underwent by-pass surgery, from which he is home and recovering, according to what we hear.

Dora, KF6TF, spent several days in the hospital after what was diagnosed as a stroke. She is back home, but her operating is limited by doctor's orders.

Guy, KB6AI, is another who's been under the weather.

Edith, K6AYJ, reports that Vendy Johnson, W6CWK, has been very ill and in the hospital, but is doing better now.

Marty, K6NS, is also among the ailing with a problem leg which his medicos haven't been able to diagnose. He's tried a chiropractor, and is now off to an accupuntor. Good luck in the contest, Marty.

John, K6QCW, spent a couple of nights in the hospital for some diagnostic looksee.

DOWN THE TOOBE

Congratulations to Ed, N6GZI, and to Paul, WA6OLI, who took and passed the Advanced Class examination in San Diego on 8 June; and to Bill, N6GSS, who took and passed the Advanced Class exam at Long Beach on 15 June.

Beverly Vanderwood, N7CPV, from Boise, ID, flew down to spend a week with Dora, KF6TF. Many of us had the chance to meet this very nice, legally blind lady on W6NWX/R or in person at Dora's.

The North County YLs met on 6/18 at the home of Emily and Stan, WA6ZKC and WA6ZKD. A grand time was had by all, including the OMs.

Verl Thornesberry, WB6EOT, and his XYL, Mary, laid a visitation on North County as this was being typed. Don't know how they could leave all that livestock alone there in downtown Omaha, AR. Good to hear you, Verl.

Folks brash enough to want to confront Bill, W6NAT, can catch him on 3930 Sat-Mon and Thu starting at 2030 local. Bill says everything's fine in downtown Ft. Dick, and says HI to all the gang.

Former club member Bud Lundy, who used to be W6YCP, shoulda stayed a club member since the Gint Computer would have told him his license needed renewing. He waited a day too long and now is KD6MS!

In the continuing saga of Pat Crossman, N6INN, she sashayed forth to the FCC in Long Beach on the 15th of June and took and passed the Advanced and Extra Class examinations - less than two months after her first license was issued on April 22nd. Pat started studying the Heathkit General Class licensing course on January 26, just 140 days before her final bout with the FCC. Wouldn't have been bad time for an engineer, let alone a paralegal! Congratulations, Patricia.

It was interesting to hear Don Ward, KB6KJ, who used to be WB6IQM when he lived in Oceanside, back in the area for a visit. Don was a club member and was active on RTTY.

Also back in the area for a visit have been Cy and Doris Huvar, W6GBF and WA6HXB. They now live in Alturas, and were down visiting family in Ramona. Cy was our SCM.

Another visitor to the area was Jack, former KH6HHL, who is now KD6PX, who used to be a club member. Jack's now living in Hemet.

Frank, WB6HFE, reports that former club member Carl Vidnic, W6WRM, became a silent key on June 11th at the VA Hospital in Seattle.

Floyd, W6JSP, reports that Clint Wells, W6SCP, of San Marcos has become a silent key. My memory tells me that Clint was a club member at one time.

Condolences to Allen Willett, N7AMR, who lost his XYL, Margaret, on Sunday, June 19th.

Leona Wallace, WA6OHB, sends along word from La Paz, Baja saying that they've decided to spend the summer in the Sea of Cortez, possibly leaving the boat at Bahia San Carlos near Guaymas, and traveling to cooler parts of Mexico during the summer months. Leona says that she and OM Carl, K6YEO, really enjoy ham radio while small boat cruising since they are able to enjoy the new friends and acquaintances without ever feeling cut off from those they have left behind. She also says that they are recruiting for the amateur ranks by passing to a fellow yachtsman a complete set of code tapes and two Novice manuals, in return for which he did some underwater hull work for the Wallaces.

Dennis, N6KI, says that the message that Pioneer sent back as it left the solar system was: "CQ DX, no JAs".

Heard a rumor that Stan, W9FQN, keeps several frozen viboras (rattle snakes) to guard his freezer.

Thanks to Marty, K6NS; Bob, WA6KZN; Joe, WB6HMY; and Phil, K6ROR; for their help in folding, spindling, and mutilating the June SCOPE so that we could get it into the hands of the postal inspectors.

Speaking of Bob, WA6KZN, when last heard of he was motoring toward Mammoth Lake in the Sierras. Bob didn't know how he was going to get back since he was driving a car which was to be left there, and, of this writing, he hadn't gotten back and so is overdue and presumed missing. Come back, Bob, all is forgiven.

Folks who have seen W6BLL's garage will understand when I say that Jack has finally broken down and rented space in a warehouse. That's why Jack couldn't get to his Field Day gear - even in the warehouse it's buried!

Latest one to terrorize W6NWG/R on the 450 machine is John, W6SE, who puts a nice signal into the repeater with his HT from the QTH in Encinitas.

Let's not forget that all club memberships expire this month. If you've renewed yours, that's fine. If not, do it now so that you won't miss even one issue of SCOPE. That Would Be Tragic. DO IT!

"That's all", she wrote.

RECEIVED TOO LATE TO CALCIFY: There will be a FOR SALE/WANTED Bulletin Board at the July and subsequent club meetings. If you would like to list items wanted or for sale, type or print the information on a 3" X 5" card, and bring it with a thumb tack to the meeting. de N6GZI

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

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Don Johnson
WD6FWE 07/83
3140 Lincoln ST
Carlsbad CA

92008



W6NWX

Scope

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AUGUST, 1983

PRESIDENT:

VICE PRESIDENT: Ed Ross, N6GZI, San Diego

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 next club meeting. Material for inclusion in SCOPE should be mailed to 3716 Bluebird Canyon Road, 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 it is only proper that you provide him with your name and callsign 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. 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 W6NWX/R at 2000 local to pass formal written traffic. No net on club meeting night. Visitors are welcome.

AUGUST CLUB MEETING

The program for the evening will be presented by Captain Van Meter of the California Department of Forestry. He will tell us about the Volunteers in Prevention (VIP) Program and the Red Flag Alert fire prevention patrols.

Picnic drawing tickets will be handed out. See details under PICNIC item - with any luck at all. The number of tickets you have accrued is always listed on your SCOPE mailing label.

Stan, W9FQN, says that Show and Tell will feature:

1. A discussion of AA NI-CADs and where to buy them.
2. Sinclair/Timex owners will be able to look at all issues of QZX, a magazine devoted entirely to computer applications for amateur radio.
3. VIC-20/Commodore 64 owners will be able to look at a diagram of an interface between your computer and "any" regular tape recorder, possibly saving you the \$70 cost of the special tape deck.
4. There will be a VIC-20 on display running amateur radio type programs.

Stan says that if any club member is a subscriber to the ARRL's technical or experimenters' letter, he would like copies at the meeting for us to see. He also says that the September Show and Tell will feature a Commodore 64 running ham programs.

PICNIC! PLOUENIQUE! PEEKNEEK! PICKNICK! PIGNIG! PICNIC!

The Annual PALOMAR AMATEUR RADIO CLUB Picnic will be held on Sunday, August 14th in San Dieguito Park, which is east of I-5 on Lomas Santa Fe Drive in Lomas Santa Fe. The Club will spend up to \$500 on prizes which will go to the lucky ticket holders. Tickets are based on participation in Club events (including one for joining or reenlisting), and cannot be purchased. PICNIC TICKETS WILL BE HANDED OUT AT THE AUGUST CLUB MEETING, AND AT THE PICNIC, or will be mailed if the Club gets a SASE at the P.O. BOX 1603 address in time, or may be picked up for you at the club meeting or at the picnic by anyone carrying a note from you authorizing the pickup. You do not have to be present to win, but your ticket does.

Hooray, we will have a pot luck dinner at this year's picnic. Folks with a last name beginning with letters A-H will bring a casserole or meat dish; those beginning I-P should bring a salad; and those Q-Z bring dessert. Non-cooks should stop by the Colonel's or Shakey's or some such. Each dish should be enough to serve eight folks. Dinner at 12:00, drawing at 1:00.

The Club will provide coffee, punch, eating hardware, napkins, plates and cups - you just bring your appetite and your assigned dish. If you want anything other than punch or coffee, B.Y.O.

Emily has arranged for entertainment for us too! Ken, WA6BCC, and Rich, N6NR, and others will provide us with Blue Grass music. Emily says that they are an outstanding group.

Steve, WA2NNT, will provide the kids (and some of us big kids, too) with a magic show. Remember, 14 Aug is peekneek. CU there. Sure would be nice to win a prize for a change - haven't won a picnic prize since 1981!

JULY CLUB MEETING

At our July meeting, Stan Brokl, N2YQ, of the Jet Propulsion Lab, was kind enough to travel all the way from L.A. to give us a most interesting presentation and slide show of the Voyager missions to Jupiter and Saturn. A great show with "out of this world" slides taken by the space craft.

The fourth annual award of the Palomar Amateur Radio Club Scholarship was made to Mr. Thuan Tran of Escondido, an electrical engineering student at Palomar College. The presentation of the check to Mr. Tran was by Lida Clark, widow of N6DYO.

Ed, N6GZI, presented Lida Clark with the ribbon from the PARC floral display at N6DYO's funeral. The ribbon was signed by the PARC Executive Committee.

Stan, W9FQN, had the MINIMUF program up and running on his personal computer. A S.A.S.E. to Stan will get you a copy of the program.

Ed, N6GZI, announced that he had assigned to Brian, KF6BL, some of the duties that he, Ed, had been performing as Vice President.

Art Smith, W6INI, ARRL San Diego Section Manager, announced the appointment of Steve, WA6NNT, as ARES Emergency Coordinator for the Tri-City District of the County; and of Dick Leffler, WA6COE, as the Section Affiliated Clubs Coordinator.

Bob, WA6QQQ, told us of the FCC's newsrelease concerning the revision of Part 97 as to the prohibition against "doing business" on the air.

Attendance was reported to be 78 members and guests.

It was a James Dandy meeting since Ye Olde Ed won first prize in the drawing after the meeting. The losers said: "Shake 'em up!"

EXECUTIVE COMMITTEE MEETING

The Club's Executive Committee, without fail, usually meets on the second Thursday of the month at 7:30 of the post meridian at Carrow's Restaurant on South Santa Fe near the corner of Escondido/Sunset across from Von's in Weestful Veesta. Club members are welcome to observe - quietly, and with the reserve for which we amateurs are noted.

At the July meeting, Mr. Norm Lacombe, Vice President of Macaw Electronics was present and made a presentation stating Macaw's interest in our repeater site. Stan, W9FQN, was appointed to look into it.

The members of the Committee will welcome guests and new members at club meetings and on the air.

A grand time was had by all.

FULL COURT PREZZ

We should all make an effort to make visitors to our club meetings feel welcome. Let's start introducing ourselves to folks we don't know. We can also help Joe, WB6HMY, and others in making the visitor on W6NWG/R welcome. Pass along the information on the time and place of our next PARC meeting. Don't be bashful when you hear someone on W6NWG/R say they are monitoring. Speak up and see if you can be of assistance.

73 de N6GZI

FORESAIL

(What a bunch of Jib erish)

Antenna farm for a small lot. 35' 3-section free-standing tower, Hy-Gain Mini-tribander 10-20M, CDE AR-22R rotor and control, Cushcraft 11 elm 2M beam, and 22' vertical for 40 & 80M. All for \$50. You take down and remove - veery carefully. Call Woody, W6QWH, at 724-9482. 8/83

Tri-Ex 27' side-mount clank-up (sic) tower. Hamsoft for VIC-20 w/load feature. Heathkit HW-8 QRP xcvr. ICom 22-S 2M xcvr. Call Dave, WA6HQM, at 753-2605. 8/83

Homebrew 4-1000 linear amplifier. Call Ed, WA6ESG, at 726-5236 after 5 p.m. 8/83

All 2M FM: Swan FM-2X xcvr w/AC pwr supply and lots of xtals, \$50. ICom IC-230 xcvr, \$60. ICom 30 450 mHz xcvr w/Heathkit HWA-202-1 AC supply \$150. ICom IC-21 base station xcvr w/lots of xtals, \$75. Tempo VHF One 25W xcvr, \$120. Clegg 27B 30W xcvr. All with manuals, connecting cables, mobile mount. All Yaesu: FT101 10-160M xcvr, \$200; FV101B external vfo, \$75. Ameco model PT 1.8-54 mHz pre-amp, \$35. Call Ralph, K6HAV, at 727-5866.

Swan Cygnet 260 AC/DC HF xcvr, mint, \$150. Call Joe, W6LJF, at 439-1188 (WP) or 721-4763 (HP). 8/83

Azden 2000, \$150; RS-7A regulated 13.8V 5A CCS, \$25; ICom 22A w/13 ch xtald, \$50. Call Lloyd, W6TFB, at 757-9374. 8/83

Atlas 210X Limited Edition w/AC pwr supply, AFC unit, DD-6 digital dial, and mobile cable. Digicom 100 CB xcvr converted to 10M, Marko 100W 10M mobile amplifier, HyGain 10M mobile antenna, and 2M Ringo. Some ridiculous offers will not be considered. Call Emily, WA6ZKC, at 756-3320. 7/83

Yaesu FT 207R HT w/TT pad, charger, Drake AA-10 10W amp, mag mount mobile antenna, \$175. ICom IC-230 2M FM xcvr w/Heath HA202 40W amp, mag mount mobile antenna, \$115. ICom IC-230 w/DyCom 40W amp, mag mount antenna, \$115. Wilson MkII HT w/spkr-mike, wall charger (for use on un-charged walls), \$55. Tempo FMH HT w/wall charger (ditto), \$55. All items to be sold as sets, as listed. Call Burr, WA6VYD, at 757-6070. 7/83

Complete working computer system: SWTPC 6800 running at 2 mHz w/40k static memory, 1 serial and 2 parallel ports; 16 channel A/D converter; dual mini floppy drives; 16 X 64 CRT terminal. Software includes: OS, editor, assembler, text processor, Random BASIC, small data base manager, and games. Can be used for electronic RTTY and CW. \$500. Kenwood TS-120S w/pwr supply, 500 Hz filter, and mike, \$650. Call Bob, K7WLX, at 729-5519 (HP) or 714-493-8181 (WP). 7/83

IRL-1000 T.V., \$325. Tempo VHF One, make offer. Call Dee, N6ELP, at 753-5647. 7/83

Kenwood TS-820 xcvr w/remote VFO, CW filter, and built-in AC and DC supplies, recently factory checked, \$575 or make offer. Call Joe, WA6VNR, at 278-2752, and leave message on the machine. 7/83

Collins 75A-4 rx w/800 Hz and 2.1 kHz filters, Swan 600T tx w/D104 mike. Call Britt, W6PEU, at 728-4540. 7/83

Collins KWM2A xcvr r/e w/rejection tuning, \$675; Collins VFO console 312B-5 r/e new, \$375; Collins KWM2 xcvr w/e w/516 F-2 a.c. pwr supply w/spkr, \$475; rare Collins SM-3 desk mike, \$65; D-104 dynamic desk mike w/Collins plug, \$35; Kenwood antenna tuner AT-130 \$85, Kenwood mike MC-50 \$30, Bearcat 250 scanner near new w/manual, \$165. 10-20M Mini-quad, assembled. Come and get it, \$50. Call Allen, N7AMR, at 433-8881. 7/83

Tri-Ex 25' free-standing crank-up tower, never used, \$300 or haggle. Call Steve, WA2NNT, at 729-7318. 6/83

FREE: RAK rx, covers 15 kHz-600 kHz; RAL rx, covers 300 kHz-23 mHz. Western Union teleprinter. Call Art, W6EVL, 728-1717. 5/83

Wangco 10M byte top-loading 14" RK05 Q-bus hard disc drive w/controller for DEC PDP-11, presently in operation. Communications Specialists encoder and decoder. Never been raced. Call Phil, K6ROR, at 724-0098. 5/83

Sanyo VM 4509 video monitor, \$150. Call Bob, WB6TKU, at 741-1541. 5/83

Cushcraft 11 elm 2M beam w/balun, complete Hallicrafters station with HT-44 tx, SX-117 rx and PS-150-120 pwr supply & spkr w/extra tubes and mik. Call Ed, N6GZI, at 270-1697. 5/83

Wanna buy the farm? 10M 3 el Hi Gain w/balun, 70' coax, TV type rotator, 35' mast ready to put up, \$50; 15M 3 el Hi Gain, \$30; 20M 3 el Hi Gain, \$25. Have gone quad. Call Al, W6NBH, at 741-1320 any time. 5/83

ICom 215 2M FM portable xcvr w/built-in telescoping antenna and rechargeable batteries or 12vdc operation. Includes 15 xtals for local freqs, and rubber duck antenna, cigarette lighter adapter, shoulder strap, battery charger and A.C. base supply. With manual. Some unreasonable offers refused. Call Al, N6GNB, at 741-1840. 5/83

Atlas 210X, console, power supply, and mobile mount, \$300 firm. Yaesu 207R H.T. w/mike-spkr, 2 batteries, 2 antennae, 2 a.c. chargers, and d.c.

CLUB-OWNED EQUIPMENT ROUND-UP

Are you storing any gear for the Club? How about coffee pots, large G.I. cannibal pots, parachutes, band pass filters (Harmonikers), or the like. The Club would like to know about it since it's always a problem to remember who in the blue-eyed-world is providing storage when the gear is needed for Field Day or picnic or whatever. Get the word to Jim Church, K6SLA, if you are storing any of the Club's gear. Jim's agreed to keep track of its location, BUT HE SAYS HE HASN'T HEARD FROM ANY OF YOU YET!

FOURTH AWARD OF THE PALOMAR AMATEUR RADIO CLUB SCHOLARSHIP

The fourth annual award of the Club's \$200 scholarship was presented by Emily, WA6ZKC, and by Lida Clark, widow of N6DYO, at the July club meeting to a Palomar College electrical engineering student, Mr. Thuan Tran of Escondido. Mr. Tran was also presented with a year's membership in the PARC.

COMPUTER CORNER

de W9FQN

In order to better aim our computer-related items we need to know who's running what. If you are using a computer in amateur radio-related service, please let me know, at the club meeting or on the air on W6NWX/R. If I'm not available, give the info to Ralph, K6HAV.

PUBLIC SERVICE EVENTS

On July 9, the PARC assisted the city of Carlsbad, providing communications for the 2nd Annual Carlsbad Triathlon. Participating PARC members were: WA6ZKC, WA6ZKD, WD6BEZ, WA6QQQ, KD6ZO, N6ENI, KD6FY, WB6ZJZ, N6ELP, WD6ENK, W6DEY, WA2NNT, KA6VMK, WB6HSZ, WB6HMY, W6TFB, W6HUJ, and WA6HQM.

The city of Carlsbad was very impressed with our 100% turnout (the only group to turn out 100%), and our efficient handling of routine and emergency communications. This time there were emergencies on the swim and bike segments. These emergencies were unfortunate, but they create an awareness of the importance of good communications at these events, no matter how dull some of them may be. Thanks to all who participated - the regular "diehards" and those who helped for the first time.

Several events are scheduled in the next three months requiring communication support. Initial info indicates a requirement for many more ops than we have provided in the past. Steve and Joyce, WA2NNT & KA6VMK, have volunteered to assist in gathering the volunteers for these events. They'd love to have the time to call each of you personally, but since both work full time, they find it difficult. If you're interested in lending a hand, give them a call at 729-7318 and they will answer your questions. These events have varied responsibilities and locations so if you call and volunteer EARLY, you can pretty much have your pick. More info as it's fed to us.

FLEA MARKETS

Electronic-oriented flea marts in operation are the ones in San Diego 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 Boulevard 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 on 145.32 MHz simplex.

IF YOU CAN'T SELL IT, GIVE IT TO THE PARC

If you'd rather give it to the Club than drive all the way to Santee or Redondo Beach, give Brian, KF6BL, a call and ask him to stop by and pick up your surplus KWM-380 or 100' crank-up tower for the Club. He'll not turn it down (no SCR-522s need apply).

The Club thanks Pheel, K6ROR, for the generous donation of a UHF radio for use in the W6NWX/R control system.

BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, K6BPT, WD6CLG, N6DRX, WD6ENI, N6GNB, N6GWJ, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, W6UAP, and W6ZYT, are available from our aging-but-agile club treasure, W6OLO. If you're not really sure of yourself but would still like a badge, John just might let these go at very reasonable prices.

holder, \$225. Call Jack, WA6CWG, at 747-7157. 6/83

KLM KT34XA 6-elm tri-band beam. Call Dick, W6MUO, at 724-0323. 6/83

Beautiful Weston panel meter, 0-7.5 amps AC w/internal shunt; 3 3/8" diameter, requiring 2 3/4" hole. Call Sandy, K6HE, at 745-6940. 7/83

LICENSE EXPIRATIONS

8/83: K6QCW, WA6KZN, W6TFB, and WA6AIM. 9/83: WB6VYC, WA6VYD, and WD6DNP. 10/83: WB6HMY, WA6HPP, and N7AMR. Y'all get hot and send your 610s to those deregulators, 'cause they're not THAT deregulated!

ARRL ENLISTMENTS AND REENLISTMENTS

When you enlist or reenlist in the ARRL, do so via the PARC, and the club will get \$2.00 which would otherwise go to sweeten the pot in Gnu-ington (CT 06111, that is), and it won't cost you even an additional red centime or peseta. The ARRL tab is \$25 per year, two years for \$49, or three years for \$72. Make checks payable to the Palomar Amateur Radio Club, Inc. and get them to John, W6OLQ, at the Club's P.O. Box address or in person at club meetings.

THE LATEST STRAIGHTEST FROM THE FCC

(One can hardly doubt)

Effective August 31, volunteer examiners must follow the new Novice Class examination procedures. They will make up Novice exams from the list of questions available at FCC field offices. After administering and grading the exam, the volunteer examiner must send a successful applicants's application (Form 610) to the FCC for issuance of the Novice license. Until it is revised, the examiner must additionally certify on the Form 610 that the applicant has been examined and has passed the written exam.

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

BUSINESS COMMUNICATIONS IN THE AMATEUR RADIO SERVICE

In an order effective August 31, 1983, the FCC stated in part: "2. We continue to receive inquiries asking whether business messages are permitted in the Amateur Radio Service. To put an end to the uncertainty which seems to persist on the subject, it is desirable to include in Part 97 a rule which specifically forbids the sending of business communications. Classic examples of business communications are those which deal with calling the office from an automobile by way of amateur radio in order to receive and leave business messages, or with providing a regular communications service to an employer, a local government or other entity. It should be noted, however, that there are no restrictions as to message content when an amateur radio operator may use an amateur station to obtain emergency roadside assistance when the overriding consideration is the saving of human life. On the other hand, an amateur radio station may not be used for a medical or law enforcement communication which does not fall within the exception of immediate danger to life or property. For example, using an amateur station to call in a medical prescription or in conjunction with a normal police patrol is prohibited. In short, the Amateur Radio Service should not be used as an alternative to the land mobile, broadcast, maritime, or common carrier radio services, all of which have been established by appropriate regulatory processes. 3. Part 97 is amended to add a new section which explicitly (sic) states the prohibition against the transmission of business communications. Also, the definition of the term "business communications" is moved from Section 97.114 Third Party Traffic, to Section 97.3, Definitions. These amendments will result in a clearer statement that the prohibition against business communications applies to both third party communications and non-third party communications. The term "business communications", in this instance, is used in the broadest context. It includes all types of communications which are intended to facilitate the regular business or commercial affairs of any party, whether individual or organization, whether for profit or not-for-profit, whether charitable or commercial, and whether government or non-government."

Thanks to Bob, WA6QQQ, of Communications General Corp. for providing us with a copy of the order from whence the foregoing came.

LATE STUFF FROM THE ARRL LETTER

(Get it while it's hot)

Barry Goldwater, K7UGA, has notified FCC Chairman Mark Fowler that he is in full support of the ARRL's stand against the no-code proposal. The ARRL's comments against the no-code licensing proposal were filed with the FCC on June 28.

RAY HAYNES, K6SX, SILENT KEY

Ray Haynes, K6SX, of Valley Center, and a former PARC member, became a silent key on Thursday, July 7.

SICK CALL

Jane, AD6Z, spent some time in the Naval Regional Medical Center in San Diego undergoing radiation therapy, but has returned home.

Al, N6GNB, wound up in ICU in a hospital in Coronado as the result of a suspected heart attack. There was no heart attack and Al was home again at this writing.

Bob, NC6J, has made an excellent recovery from his heart attack and by-pass operation.

DOWN THE TOOBE

Congrats to Paul, WA6OLI, who up-graded to Extra Class on July 15. Harold, W6UUJ, is also to be congratulated for passing the Advanced Class exam back in October.

The North County YLs got together at the home of Emily, WA6ZKC, on June 18th. A grand time was had by all at the lakeside.

Bill Driml, W6NAT, says that he's grown so much moss on the north side up there in Ft. Dick that he won't be able to make it to the club picnic as he had hoped to, but sends his regards to all the gang. Hope he's happy now after he worked W6NWG/6 on Field Day and found he knew some of the ops. We're trying to get Jim Church out for you to work next year, Bill.

Colegas y Amigos met in San Diego on July 17 for brunch and general hooraw. The meeting was well attended by PARC members. Duke Ellington, W6OZD, founder and leading light of the organization is reported to have suffered a heart attack en route home to Long Beach and wound up in Scripps where he is reported to be recovering.

Art, W6BOS, a charter PARC member has reenlisted again, and passes along the word that he lost his wife Georgia, whom many of the OTs remember, on July 7th. Sorry to hear of your loss, Art.

Ilean Clark visited relatives in Alabama, but should be back for the club meeting.

Pat, N6INN, is the first kid on the block with the new ICom 751. Works great, and she's terrorizing the bands with it. More bells and whistles than the average rig. Seems to be quite a piece of gear.

Phil, K6ROR, has one of Kenwood's new product which talks back to him. It's the TW-4000A, a 2M and 450 MHz rig with 25W out on each band and a voice synthesizer to tell him what frequency he's on.

Bob, WA6QQQ, says he would spend more time monitoring W6NWG/R if he also didn't have to monitor WA6NUD/R in Monterey Park. Many of us are likewise plagued by "NUD", which is very strong in northern San Diego County for a "coordinated" repeater. One thing that we can do to help in this problem is to reactive the tone encoder on W6NWG/R so that those of us with decoders can listen solely to our repeater. It would also be nice if "NUD" could have its power output to the south sharply reduced!

RECEIVED TOO LATE TO CALCIFY, BUT FORESAIL ANYWAY

From the estate of Bob Clark, N6DYO: Tempo 2020 80-10M xcvr w/spare final & driver tubes, spkr, Shure 444 and hand mics, Tempo 2010 external VFO, \$400; Yaesu FT-208 2M HT w/YM-24A spkr/mic, NC-8 A.C. supply/quick charger, 3 antennae, and Lunar amplifier, \$300; ICom 280 10W 2M FM xcvr w/ICom SM-2 desk mic, hand mic, and mobile bracket, \$150; Kenwood R-1000 general coverage rx, \$250; Lunar 2M10-80P 2M FM/SSB 10W in 80W out amplifier, \$75; Bearcat 101 scanner, \$120; Drake TV3300 1KW low pass filter, \$10; Astron RS-4A 12V pwr supply, \$15; Swan SWR meter, \$10. Call Ralph, K6HAV, at 727-5866

"That's all", she wrote.

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NORTHERN SAN DIEGO COUNTY

THE PALOMAR AMATEUR RADIO CLUB, INC.

POST OFFICE BOX 1603
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W6NWX

Scope

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PRESIDENT:

VICE PRESIDENT: Ed Ross, N6GZI, San Diego

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, 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. 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 W6NWX/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

SEPTEMBER CLUB MEETING

THE PROGRAM for the evening will be presented by charter PARC member, Harry Field, W6LKC. He will tell us about home brewing antennas, and some of the cheap and readily available substitutes for the high priced spread. This is the first in a series of programs Harry will give us in an attempt to pass along the empirical knowledge that he has gained in more than 50 very successful years of building his own antennas of all types from Yagis to rhombics. Any of us who saw Harry's portable Field Day antenna, a 20M 5-element beam on a 50' boom, and who watched him work Africa and the Middle East on a barefoot Swan 500, will appreciate the tricks he has learned over the years. In later programs, Harry will tell us about homebrewing Yagis, Quads and Delta Loops, the CCD antenna, and the rotary "V" beam. This will be a truly informative series. Come out and see the first of it.

SHOW AND TELL will feature Felix, N6IE, with his portable, no S-meter, no attenuator-needed RDF unit which can be used with HTs or home rigs.

The purpose of SHOW AND TELL is to keep club members informed on various aspects of amateur radio. If you have a new item of equipment or something that you have built and would like to share with us, please bring it in and tell us about it. For October we hope to have a computer CW display using the Sinclair TS-1000/ZX-81.

AUGUST CLUB MEETING

At our August meeting, Brian, KF6BL, gave us a demonstration of the VIC-20 computer in amateur radio RTTY use. We had an attendance of 71 folks. All of us got our picnic tickets except for those of you who picked them up at the picnic.

Thanks to Brian, Dave, WA6HQM, and Bob, WA6KZN, for the RTTY demo; and thanks to Don, WD6FWE, for bringing his computer.

PICNIC!

It was a grand picnic! No, I didn't win a prize, but N6INN did. She won the beautiful Kenwood clock. Other winners were: KA6QFF the Commodore 64; KD6FY and WA6VYD the 2M beams; and W9FQN, WA6EYX, KE6QV, WA2NNT, N6AT, and W6OLQ books. The kids (and others too) enjoyed the magic show put on by Joyce, KA6VMK. The potluck was a feast. We all enjoyed the Aoi Kusa (Blue Grass) music of Ken, WA6BCC, and Rich, N6NR, and their group. All-in-all, it was a great picnic, thanks to the planning of Emily, WA6ZKC; and thanks to the help of Ilean and Lida Clark and Pat, N6INN, who stepped in to do the job when Emily and Stan, WA6ZKD, couldn't make it due to the death of Emily's father the day before. Guy, KB6AI, hopes that whoever took his silver cake server home will get in touch with him and return it.

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 August meeting, the Committee was informed that Macaw Electronics had moved out of the repeater building and turned in the key.

The Committee discussed the erection of a tower on the repeater site to permit the UHF antennas to be raised above the trees, and to establish in being a tower on the site in view of the moratorium on commercial towers in our area of Mount Palomar. Bob, WA6QQQ told the Committee of the possible availability of a 70' self-standing tower.

Bob, WA6QQQ, also described the engineering problems inherent in a large multiple repeater site. After hearing his discussion, the Committee was of a mind that the PARC site could handle 1-3 more repeaters.

Stan, W9FQN, will look into obtaining a building permit for a tower.

A grand time was had by all.

FULL COURT PREZZ

We have several up-coming public service events in which our club members should provide help. The La Jolla Rough Water Swim on September 11 is already fully staffed. Del Mar Days on October 1-2 needs a goodly number of operators, as does the Vista Christmas Parade in early December.

I know, that with the enthusiasm we are seeing in our club members over the past several months, we will have no trouble in taking care of these public service commitments. If you can help, call Steve, WA2NNT or Joyce, KA6VMK, at 729-7318 and get yourself involved. We would really like to see our Del Mar members support Del Mar Days, and our Vista members support the Vista event. Let's do it!

73 de N6GZI

CLUB-OWNED EQUIPMENT ROUND-UP

Are you storing any gear for the Club? How about coffee pots, large G.I. cannibal pots, parachutes, band pass filters (Harmonikers), or the like. The Club would like to know about it since it's always a problem to remember who in the blue-eyed-world is providing storage when the gear is needed for Field Day or picnic or whatever. Get the word to Jim Church, K6SLA, if you are storing any of the Club's gear. Jim's agreed to keep track of its location, BUT HE SAYS HE HASN'T HEARD FROM ANY OF YOU YET!

COMPUTER CORNER

de W9FQN

VIC-20 owners who picked up the MINIMUF program from me should change the -900 in line 290 to -90. Brian KF6BL, has modified the screen-print instructions to work better on the VIC-20.

I will have diagrams of three VIC-20 (C-64) to ordinary tape recorder diagrams at the next meeting. These adapters may allow you to use your ordinary tape recorder rather than buy the \$70 VIC cassette recorder. We might also be able to get the C-10 or C-20 tapes at a volume price by joining together to buy a case or more.

FORESAIL

(What a bunch of Jib erish)

Yaesu TS-720RVH 25W 2M FM xcvr, \$200. Yaesu TS-720RU 450 mHz 10W FM xcvr, \$250. Both with detachable control heads and 3M cables. Never raced. Call Gene, K6EJO, at 727-0811. 9/83

Yaesu FRG-7000 rx, \$265. Call Art, WA6IPD, at 728-6834. 9/83

ICom IC-22S 10W synthesized 2M FM xcvr w/remote freq contl box and mobile bracket, modified for sub-band operations, \$135. Call Dennis, N6KI, at 271-6079. 9/83

MFJ Versatuner 941, Dentron W2 wattmeter, Heathkit SA 7010 4-elm tri-band beam, Astro 200A 80-10M xcvr w/pwr supply, CDE rotor w/contl. Call Ray Dill at 619-922-2470. 9/83

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

Antenna farm for a small lot. 35' 3-section free-standing tower, Hy-Gain Mini-tribander 10-20M, CDE AR-22R rotor and control, Cushcraft 11 elm 2M beam, and 22' vertical for 40 & 80M. All for \$50. You take down and remove - veery carefully. Call Woody, W6QWH, at 724-9482. 8/83

Complete working computer system: SWTPC 6800 running at 2 mHz w/40K static memory, 1 serial and 2 parallel ports; 16 channel A/D converter; dual mini floppy drives; 16X64 CRT terminal. Software includes: OS, editor, assembler, text processor, Random BASIC, small data base manager, and games. Can be used for RTTY and CW, \$350. Kenwood TS-120S w/kpwr supply, 500Hz filter, and mike, \$500. Call Bob, K7WLX, at 729-5519. 9/83

Tri-Ex 27' side-mount clank-up (sic) tower. Hamsoft for VIC-20 w/load feature. Heathkit HW-8 QRP xcvr. ICom 22-S 2M xcvr. Call Dave, WA6HQM, at 753-2605. 8/83

Homebrew 4-1000 linear amplifier. Call Ed, WA6ESG, at 726-5236 after 5 p.m. 8/83

From the estate of Bob Clark, N6DYO: Tempo 2020 80-10M xcvr w/spare final & driver tubes, spkr, and mike, Tempo 2010 external VFO, \$400; Bearcat 101 scanner w/book, \$120. Call Ralph, K6HAV, 727-5866.

All 2M FM: ICom IC-21 base station xcvr w/lots of xtals, \$75. Clegg 27B 30W 146-148 mHz synthesized xcvr, \$75. 146-153 mHz tuneable or xtal contl 12 VDC rx, \$35. All with manuals, connecting cables, mobile mounts where applicable. All Yaesu: FT101B, 10-160M xcvr w/mike & manual, \$400; FV101B external vfo, \$75. Call Ralph, K6HAV, at 727-5866.

Swan 270-B w/mike, vox, and 12V converter, \$200. Call Charlie, KE6QV, at 433-1258. 9/83

Swan Cygnet 260 AC/DC HF xcvr, mint, \$150. Call Joe, W6LJF, at 439-1188 (WP) or 721-4763 (HP). 8/83

Azden 2000, \$150; KLM 12 elm ant, \$30; KLM 50 ohm sleeve balun, \$20; Alliance HD-73 heavy duty rotator, \$50; 40' push-up mast, \$20. Call Lloyd, W6TFB, at 757-9374. 9/83

Atlas 210X Limited Edition w/AC pwr supply, AFC unit, DD-6 digital dial, and mobile cable. Digicom 100 CB xcvr converted to 10M, Marko 100W 10M mobile amplifier, HyGain 10M mobile antenna, and 2M Ringo. Some ridiculous offers will not be considered. Call Emily, WA6ZKC, at 756-3320. 7/83

Yaesu FT 207R HT w/TT pad, charger, Drake AA-10 10W amp, mag mount mobile antenna, \$175. ICom IC-230 2M FM xcvr w/Heath HA202 40W amp, mag mount mobile antenna, \$115. ICom IC-230 w/DyCom 40W amp, mag mount antenna, \$115. Wilson MkII HT w/spkr-mike, wall charger (for re-chargeable walls), \$55. Tempo FMH HT w/wall charger (ditto), \$55. All items to be sold as sets, as listed. Call Burr, WA6VYD, at 757-6070. 7/83

Collins 75A-4 rx w/800 Hz and 2.1 kHz filters, Swan 600T tx w/D104 mike. Call Britt, W6PEU, at 728-4540. 7/83

Collins KWM2A xcvr r/e w/rejection tuning, \$675; Collins VFO console 312B-5 r/e new, \$375; Collins KWM2 xcvr w/e w/516 F-2 a.c. pwr supply w/spkr, \$475; rare Collins SM-3 desk mike, \$65; D-104 dynamic desk mike w/Collins plug, \$35; Kenwood antenna tuner AT-130 \$85, Kenwood mike MC-50 \$30, Bearcat 250 scanner near new w/manual, \$165. 10-20M Mini-quad, assembled. Come and get it, \$50. Call Allen, N7AMR, at 433-8881. 7/83

Tri-Ex 25' free-standing crank-up tower, never used, \$300 or haggle. Call Steve, WA2NNT, at 729-7318. 6/83

Atlas 210X, console, power supply, and mobile mount, \$300 firm. Yaesu 207R H.T. w/mike-spkr, 2 batteries, 2 antennae, 2 a.c. chargers, and d.c. holder, \$225. Call Jack, WA6CWG, at 747-7157. 6/83

KLM KT34XA 6-elm tri-band beam. Call Dick, W6MUO, at 724-0323. 6/83

Beautiful Weston panel meter, 0-7.5 amps AC w/internal shunt; 3 3/8" diameter, requiring 2 3/4" hole. Call Sandy, K6HE, at 745-6940. 7/83

LICENSE EXPIRATIONS

9/83: WB6VYC, WA6VYD, and WD6DNP. 10/83: WB6HMY, WA6HPP, and N7AMR. 11/83: W6YYV and AK6Z. Y'all get hot and send your 'em your 610s.

BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, K6BPT, WD6CLG, N6DRX, WD6ENI, N6GNB, N6GWJ, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, W6UAP, and W6ZYT, are available from our aging-but-agile club treasure, W6OLQ. If you're not really sure of yourself but would still like a badge, John just might let these go at very reasonable prices.

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 jump for joy and speed 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 preceding Saturday. TRW talk-in frequency is 145.320 MHz simplex.

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 TS-930S or 100' self-supporting tower.

SILENT KEYS W6KGC AND W6MWU

Former PARC member Lyle Farrell, W6KGC, of Vista became a silent key on Wednesday, August 17. Lyle was very active in the Club and in amateur radio during the 60s but his health ruled out these activities in later years.

Mary Poe, W6MWU, of Lakeside, a member of the North County YL group and daughter of Meta Brazell, WA6BNS, became a silent key on August 14. She was very active with the Special Olympics.

LATE STUFF FROM THE ARRL LETTER

ARRL has filed a Motion for Expedited Action on RM-4040, requesting that cable TV be removed from channels E (144-150 MHz) and K (222-228 MHz). In this latest filing, the League notes that the Amateur Radio Community has made every conceivable effort to work with the cable industry through its trade association, the National Cable TV Association (NCTA), but that NCTA has not negotiated in good faith. It appears that NCTA did not seriously intend to participate in resolving interference problems, but merely sought to achieve "detente" instead of arriving at a just and workable solution to the problem.

6th Area call signs issued to August 1: KZ6J, KG6DO, N6JCL, KB6BOT.

CABLE TV RADIATION

Bob, WA6QQQ, sends along a copy of an FCC action against Times Mirror Cable TV, tentatively assessing a fine of \$3,000 for failure to limit radiations from the cable TV system in the 54-216 MHz band in the vicinity of Encinitas and Leucadia. Bob points out that cable TV leakage is a serious problem nationally; and that only by increasing the public's awareness of CATV leakage can we hope to reduce this interference to an acceptable level. If you'd like more info on this problem, call Bob Gonsett, WA6QQQ, of Communications General Corporation at 753-9133.

DOWN THE TOOBE

Sure good to see Herb, W6FET, and Burr, WA6VYD, among the multitude at our August meeting. It was a good meeting, with quite a few new faces, including those of amateur radio aspirants Lincoln and June Clark of Vista.

Art, WA6IPD, says that he's just back from an Alaskan inland water cruise aboard the Sun Princess. Art took his 2M HT, and reports that the KL7 repeater freqs don't agree with those in the ARRL Repeater Directory. Just goes to point out the Directory is only as good as its sources - in this case the KL7 hams, many of whom Art talked to. He says lots of them own planes or boats as primary transportation. He says that the Sun Princess sure beats riding a troop transport - faint praise if I ever heard it!

Dora, KF6TF, says thanks to those who contributed blood in her name; and thanks to all those who worked with her on the Red Flag Alerts, which she's having to give up due to health reasons.

FIELD DAY & PICNIC



FIELD DAY - '81



BLUE GRASS - PICNIC - '83



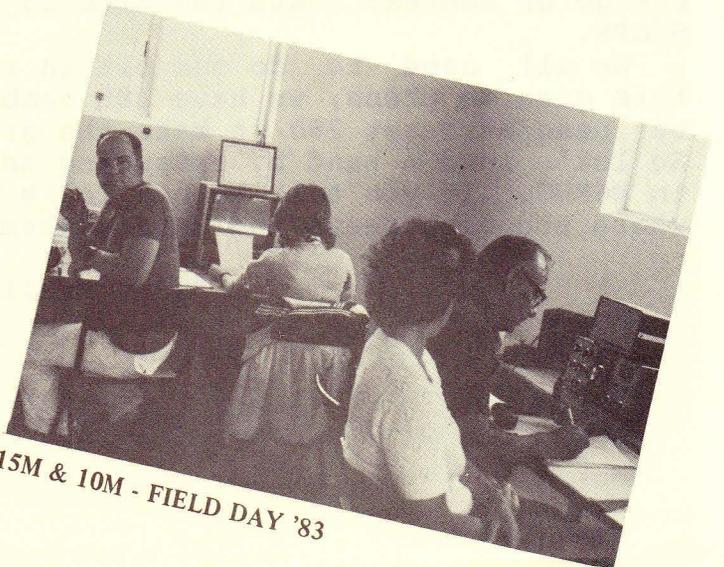
PICNIC - '83



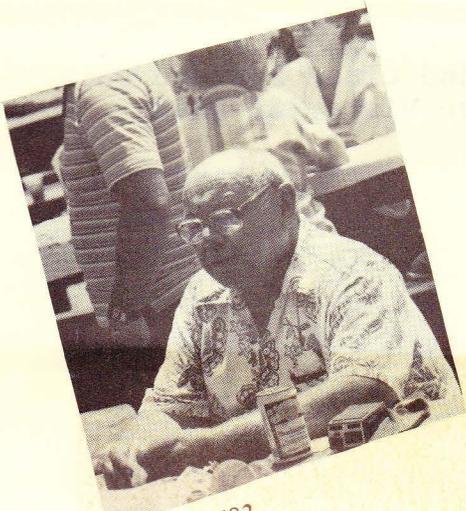
FIELD DAY SITE - '83



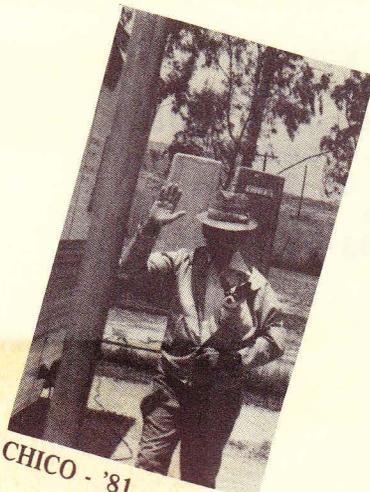
40M - FIELD DAY - '83



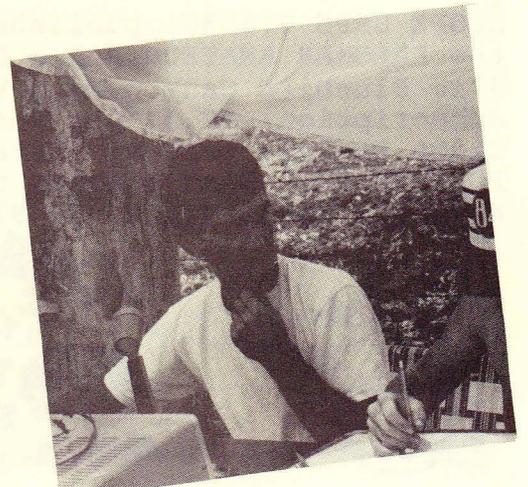
15M & 10M - FIELD DAY '83



MARTY - '83



CHICO - '81



CHARLIE - '81

(DOWN THE TOOBE continued)

Harry, W6TCI, sends the kind of correspondence we really like to get! He says that the SCOPE is quite effective for selling items, and that he sold everything in his ad. Thanks, Harry.

Felix, N6IE, has put together a very interesting and compact RDF unit for 2M, which requires neither an S-meter nor an attenuator and is battery operated. See it at the September club meeting. Marty, K6NS, has a 2M RDF antenna which appears to be excellent for RDFing. It's two 1/4 wave verticals spaced 1/4 wave and fed 90 degrees out of phase to give a cardioid pattern with a single deep notch. It's out of March '81 QST, page 43. It will require an S-meter and an attenuator, but is very easily built out of readily available materials.

Understand that Emily, WA6ZKC, has now joined the merry throng on RTTY with a VIC-20, etc.

Gene, K6EJO, liked the Kenwood TW-4000A 2M & 450 MHz rig with the companion dual band mobile antenna so well that he went back and bought another one just like the first. Now he's got one in both cars. They are neat rigs. You have both bands at 25W, and it only takes one rig just a little bigger than a box of kitchen matches.

Thanks to Paul, KA6PPD, for the beautiful printing job (as usual), and particularly for the page of pictures in this issue. We'll sure try and give him some better material to work with next year. The color pics just don't reproduce that well.

Our thanks also to the folks who helped us put last month's issue in the hands of the postal inspectors: K6ROR, K6NS, W9FQN, WA6KZN, and WA6VYD.

Boots, W6HAW, is off on a visit to VK and ZL lands. 'Attaway, Boots. If you can't work 'em, at least you can visit them. Boots has a nice shiney new tower and antenna setup at his new house on the hill. If he CAN'T work them from there, it'll be very strange.

Burr and Burr Jr., WA6VYD and WA6VYC, have a software business, and are collecting royalties on some of the Kantronics software, which many of us are using for RTTY and CW with the VIC-20.

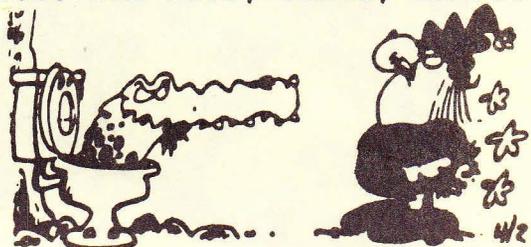
If you'd like to be reminded of your amateur radio license expiration date, just call Phil, K6ROR, at 724-0098 and give him the month and the year and he'll get it right into the "Gint Computer". The Gint Computer will then remind Ye Olde Ed, who will fumble around, and with any luck at all put the correct information into SCOPE three months before expiration. If Phil's a toll call for you, pass the word to Joe, WB6HMY, and he can get it to Phil. Some of the rest of us can too. If your expiration date or your call sign or address or telephone number (or some of the foregoing) changes, let the Gint Computer know or it will send PACMAN after you! We do appreciate changes of address, because each SCOPE that we get back for a change of address costs the Club 25 cents plus 20 cents to re-mail your SCOPE.

We all need to do our bit in recruiting new members for the Club. As this goes to press, we have 188 members. Our Treasurer, W6OLQ, says that we need at least 260 to make the grade, based on last year's expenditures. So let's lend a hand by extending an invitation to those you work regularly on W6NWG. If you talk to new folks on the repeater, let them know when and where the club meets and invite them to come and meet the good guys.

"That's all", she wrote.

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John Kuivinen
WB6IQS
P.O. Box 1466
Vista CA

07/84

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NORTHERN SAN DIEGO COUNTY



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

W6NWX

Scope

VOL. XVIII, NO., 10

1936 - 1983

OCTOBER, 1983

PRESIDENT:

VICE PRESIDENT: Ed Ross, N6GZI, San Diego

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, 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. 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 W6NWX/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

OCTOBER CLUB MEETING

THE PROGRAM for the evening will be presented by Nash Williams, W6HCD, who will tell us about the Flying Samaritans and Amateur Radio.

SHOW AND TELL will feature: 1. Computer 110 VAC 5A RFI line filter to remove interference and spikes (2000V). 2. Direction finding antenna by Marty, K6NS. 3. Book review of the BASIC HANDBOOK, which is an encyclopedia of the BASIC Computer Language and it can be used to change programs from one BASIC language to another. 4. NICAD battery charger modification to allow 16 hours at .1A and continuous .01A charging to keep the pack "fresh".

SEPTEMBER CLUB MEETING

At the September club meeting, Felix, N6IE, gave us a demonstration of a 2M RDF unit he bought and assembled; and Harry Field, W6KLC, told us how to use readily available materials for the home brewing of our own antennas. As usual, Harry opened a few eyes as to just how cheaply and simply antennas can be produced. A fine group of 62 heard Felix and Harry.

Ed, N6GZI, announced that he had received word from Bob, WA6QQQ, that the Club has been donated a 70' free-standing commercial tower, and that a written communication to that effect would be forthcoming soon.

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 September meeting, N6GZI announced that the Club has received the 3.5 KW motor generator, which was donated to the Club by PACIFIC TELEPHONE. Ed said that it will require approximately \$250 to put it in top operating conditions. After discussing the Club's limited finances, it was decided to open a Generator Fund and seek donations rather than to use existing funds, which are needed to make the monthly loan payments and to defray other annual operating costs.

W6OLQ reported that the joint PARC, PARS, EARS Xmas Party is to be held on December 13, with more details later.

W9FQN reported that he would accompany Bob, NC6J, to the PARC repeater site to locate the corners of the Club's property, since Bob had managed to get a map resulting from a previous survey. Stan also informed the Committee that it is going to take a 12 cubic yard concrete footing for the donated 70' commercial tower. He estimates that it will cost the Club as much as \$2K to move the tower to the mountain and erect it.

K6HAV discussed the Club's finances, and reminded the Committee that it would have to pay close attention to expenditures if we are to make it through the next year.

N6GZI said that he had contacted most of the 91 members who had not yet renewed their membership. He said that most had simply forgotten and planned to reenlist.

A grand time was had by all.

FULL COURT PREZZ

The Club needs a hand from folks with the time to take donated gear to the flea markets and sell it for the Club. We have lots of equipment to sell, but we need someone with the time and energy (and a pickup truck) to do the job for us. Other than our dues, the Club has little income, so that received from flea mart sales is a big help. If you can be of assistance please get in touch with me or with Brian, KF6BL.

73 de N6GZI

CLUB-OWNED EQUIPMENT ROUND-UP

Are you storing any gear for the Club? How about coffee pots, large G.I. cannibal pots, parachutes, band pass filters (Harmonikers), or the like. The Club would like to know about it since it's always a problem to remember who in the blue-eyed-world is providing storage when the gear is needed for Field Day or picnic or whatever. Get the word to Jim Church, K6SLA, if you are storing any of the Club's gear. Jim's agreed to keep track of its location, BUT HE SAYS HE HASN'T HEARD FROM ANY OF YOU YET!

COMPUTER CORNER

TIMEX/SINCLAIR---now down to about \$30. Texas Instrument's TI-99/4 --- probably going to dump 600,000 units at lower prices. For VIC-20/Commodore 64 --- see Computers & Electronics for program to list the contents of plug-in programs. 80 MICRO (TRS-80) magazine for March 83 --- Real world interface with in/out/real time clock. 80 MICRO for September '83 has a complete RTTY system for the TRS-80C.

de W9FQN

FORESAIL

(What a bunch of Jib erish)

Sinclair ZX-81 computer, plus 16K RAM, plus VU-FILE cassette program, \$25. Call Dick, W1LE, at 487-6058.

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-720RVH 25W 2M FM xcvr, \$200. Yaesu TS-720RU 450 mHz 10W FM xcvr, \$250. Both with detachable control heads and 3M cables. Never raced. Call Gene, K6EJO, at 727-0811. 9/83

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10/83: WB6HMY and N7AMR. 11/83: W6YYV and AK6Z. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, K6BPT, WD6CLG, N6DRX, WD6ENI, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, W6UAP, and W6ZYT, are available from our aging-but-agile club treasure, W6OLQ. If you're not really sure of yourself but would still like a badge, John just might let these go at veery reasonable price\$.

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 jump for joy and \$peed to the bank.

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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 TS-930S or 100' self-supporting tower.

CHARLIE HOOD, WA6ZXZ, SILENT KEY

Charlie Hood, WA6ZXZ, a retired Navy Chief Warrant Officer of Ramona, and a long time PARC member became a silent key on September 8. Charlie was a long-time supporter of the PARC and, when his health permitted, was a regular on the North County Traffic Net. He will be missed by all who knew him.

LATE STUFF FROM THE ARRL LETTER

STS-9 is now scheduled for an 11:30 AM EDT liftoff October 28. The schedule for the whole mission is based on elapsed time of mission, so if there is a delay in launch the scheduled operating time will change (UTC, EDT etc.), but the schedule based on elapsed time in the mission will remain the same. The orbits presented here are the only official operating periods scheduled for the mission. However, we must offer a word of caution. In the overall picture, Amateur Radio plays a very minor role; therefore, it is likely that there will be adjustments to the operating schedule once STS-9 is in orbit. W1AW, W5RRR and other NASA related club stations will carry the latest information as it becomes available.

Orbit 40 on 10/30 at 1930 PDT is the only one listed to pass over California.

RECEIVED TOO LATE TO CALCIFY

WANTED: Dead or alive. ICom IC-22A. Call Dennis, N6KI, at 271-6079. 10/83
FORESAIL: ASR-33 TTY Machine in good condition. Call Dave, WA6HQM, at 753-2605.

DOWN THE TOOBE

Paul, former WA6OLI, now KZ6X. Not too hard to get used to.

Art, N4HZK, who is now living in Ocala, FL, has a Commodore 64. Art sends his greetings to the gang.

Genevieve Johnson, WA6KKQ, sends word that they finally received the missing SCOPE; and that Vendy, W6CWK, is having trouble getting his strength back after his operation.

John Trent, KL7DG, a charter PARC member, sends word from Anchorage that he's bought a new QRP rig for his daughter, who lives with her family in a remote and dangerous part of KL7-land. She's planning to get her Novice ticket in a one-week course in downtown Eagle, AK in early September. John sent along his Club dues and an extra \$2.50 for the SCOPE for Dave, WB6LNL, of La Mesa from whom he purchased the new rig; and \$.50 for the Scholarship Fund.

Fred Greene (with an "e"), VE2EP, of San Marcos, is a new PARC member, and, thanks to Floyd, W6JSP, got to the July club meeting. Welcome, Fred.

Gene Stephens, KA6HOQ, an old time PARC member who sends along his \$2.50 for SCOPE, says he can't work W6NWG/R thanks to WA6NUD/R. Gene lives in Huntington Beach. He remembers the original holder of W6NWG, Mel Bacon, and likes to hear his call on the repeater. Gene, formerly W6JRW, is active now on the maritime nets, he sez.

The FCC has announced that, during the period 7/1/84 to 8/1/84, California amateurs with call signs with the figure "6" may use "23" or "84" in lieu of the figure "6" in honor of the XXIII Olympiad.

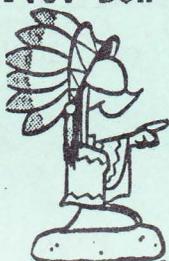
Pat, N6INN, is the latest member of a 40M SSTV net which she inadvertently checked in on right after she got her General Class ticket last May. Funny thing is, she doesn't have any of the SSTV gear - yet.

Thanks to WA6KZN, K6NS, WB6HMY, K6ROR, and those hordes of other folks who helped us fold, spindle and mutilate last month's SCOPE.

"That's all", she wrote.

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

92083



W6NWX

Scope

VOL. XVIII, NO., 11

1936 - 1983

NOVEMBER, 1983

PRESIDENT:

VICE PRESIDENT: Ed Ross, N6GZI, San Diego

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, 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. 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 W6NWX/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

NOVEMBER CLUB MEETING

THE PROGRAM for the evening will be presented by Don Leo, WB6WBX, of Rancho Bernardo, who will give us a presentation on Working the Satellites.

SHOW AND TELL will feature: More on NICADS, showing how to erase their unwanted "memory". If you have problem NICADS, bring them in for inspection. Also we will see the Talking Radio, Kenwood's TW-4000A, a 25 watt 2m and 450MHz dual bander.

Refreshments will be the usual fine coffee by Matt, KA6QFF, and juice and cookies by Susan and Linda Rohrer, who are hoping to start a trend in supplying home-baked goodies vice the usual doughnuts. Volunteers should talk to Matt - he'll yump for yoy.

OCTOBER CLUB MEETING

At the October club meeting, Nash Williams, W6HCD, gave us an illustrated talk about the Flying Samaritans, who provide medical and dental service to the isolated communities of the Baja California peninsula. Stan, W9FQN, and his SHOW AND TELL program told us about a computer RFI filter and de-spiker, about the BASIC HANDBOOK, and also about NICADS and how to keep them fresh. John, W6OLQ, said that the joint

PARS, EARS, PARC, Christmas party will be held at the Ramada Inn in Escondido Tuesday evening, the 13 of December. The Cost is \$12.15 per person. Reservations must be made early as there is a limit of 120 persons. Make check payable to the Escondido Amateur Radio Society and send it to P.O. Box 271117, Escondido, CA 92027. The Red Hot Mommas will provide the entertainment.

The Secretary's and Treasurer's reports were read and approved. No other business was conducted. There was a discussion of the need for the tower which the Club hopes to receive.

Guests and members attending totalled 54. 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 October meeting, the Committee voted to reimburse Ed, N6GZI, for \$98.84 in telephone expenses incurred in Club business. The new antenna tower was discussed, as was the generator. Stan, W9FQN, has been appointed to manage the repeater site. He reported that the corner stakes for the site have been located and a plot map made showing the location of the present structures and proposed location of the new tower. It was voted to restore the timer on the 2M repeater to two minutes, and to buy new batteries for the repeater emergency power supply. The cost will be over \$130. Don, WD6FWE, was appointed to look into the possibility of accepting commercial advertising in SCOPE.

A grand time was had by all.

FULL COURT PREZZ

WANTED/NEEDED: Your opinion as a club member. The Club needs to know how you feel about: (1.) Advertising in SCOPE to help defray the costs and bring the Club a little income. (2.) An auction at club meeting in the near future. Please let me know your thoughts on these two subjects. We need your input.

73 de N6GZI

WALT LOCKHART, W6SCI, SILENT KEY

Walt Lockhart, W6SCI, became a silent key early Thursday morning, October 13, at home, quietly, after a long battle with bronchial cancer. Services were held on October 15 at Eternal Hills. Walt, a retired mechanical engineer, who originally came from the District of Columbia and held the call W3PWB, moved to Carlsbad in the early 1970s. He became very active in the Palomar Amateur Radio Club and was, at one time, its Repeater Committee Chairman. Walt designed and had the tower built that we presently use for the W6NWG/R antennae. He will be missed by his many friends and by the Palomar Amateur Radio Club for which he did so much.

Donations may be made, in the name of Walter C. Lockhart, to the Tri-City Hospital Foundation Cancer Fund, 4002 Vista Way, Oceanside, CA 92056.

The Club has recieved from Walt's estate his 2M Motorola Base Station and assorted small parts. Thanks, Walt.

COMPUTER CORNER

At the November meeting I will have more info concerning the TRS-80 Mod III, TRS-80C being put on CW/RTTY. Also a real-world controller.

de W9FQN

FORESAIL

(What a bunch of Jib erish)

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.

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

Tri-Ex model 37TC 40' 2-section tower w/Alliance HD-73 rotor and Swan TB-2A tri-band beam. All for \$225 if you-haul. 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 433-8881 or 434-5656.

Super-Pro SP-600JX BC to 54 MHz receiver w/SSB converter and manuals. \$150. Multi-Elmac rx 80-2M w/12 vdc pwr supply, \$25. 6M-10M JFET-type

convertor, \$15. Heathkit GR-88 w/AC pwr supply 148-174 MHz, \$25. Call Honest John, WB6IQS, at 724-8380.

Sinclair ZX-81 computer, plus 16K RAM, plus VU-FILE cassette program, \$25. Call Dick, W1LE, at 487-6058.

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-720RVH 25W 2M FM xcvr, \$200. Yaesu TS-720RU 450 MHz 10W FM xcvr, \$250. Both with detachable control heads and 3M cables. Never raced. Call Gene, K6EJO, at 727-0811. 9/83

ICom IC-22S 10W synthesized 2M FM xcvr w/remote freq contl box and mobile bracket, modified for sub-band operations, \$135. Call Dennis, N6KI, at 271-6079. 11/83

MFJ Versatuner 941, Dentron W2 wattmeter, Heathkit SA 7010 4-elm tri-band beam, Astro 200A 80-10M xcvr w/pwr supply, CDE rotor w/contl. Call Ray Dill at 619-922-2470. 9/83 .

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

Bearcat III 8-channel xtal/contld scanner w/xtals for Oceanside, Carlsbad, CHP, and weather. Call Guy, KB6AI, at 757-1745. Unreasonable offers considered. 11/83

From the estate of Bob Clark, N6DYO: Tempo 2020 80-10M xcvr w/spare final & driver tubes, spkr, and mike, Tempo 2010 external VFO, \$400. Call Ralph, K6HAV, 727-5866.

All 2M FM: ICom IC-21 base station xcvr w/lots of xtals, \$75. Clegg 27B 30W 146-148 MHz synthesized xcvr, \$75. 146-153 MHz tuneable or xtal contl 12 VDC rx, \$35. All with manuals, connecting cables, mobile mounts where applicable. All Yaesu: FT101B, 10-160M xcvr w/mike & manual, \$300; FV101B external vfo, \$75. Call Ralph, K6HAV, at 727-5866.

Swan 270-B w/mike, vox, and 12V converter, \$200. Call Charlie, KE6QV, at 433-1258. 9/83

Swan Cygnet 260 AC/DC HF xcvr, mint, \$150. Call Joe, W6LJF, at 439-1188 (WP) or 721-4763 (HP). 8/83

WANTED

Heathkit IP-27 or equivalent low voltage bench pwr supply, current and voltage regulated. Working or as-is condx OK. Call John, WB6IQS, at 724-3830.

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

LICENSE EXPIRATIONS

11/83: W6YYV and AK6Z. 1/84: WB6TBQ. 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, WD6ENI, VE2EP, WB6GXP, N6IPJ, NE6K, KA6MLY, KA6MWU, K4NLM, and WA6TIJ, are available from our aging-but-agile club treasure, W6OLQ. If you're not really sure of yourself but would still like a badge, John just might let these go at veery reasonable price\$.

REPEATER

John, WB6IQS, has completed work on the 450 MHz repeater and it is back on the mountain and alive and well. A tone decoder has been added. This device is switched in when interference occurs. If you don't ID when you kerchunk it, the 450 MHz machine may stop working for you. Call Phil, K6ROR, at 724-0098 for frequencies and details.

The corners for the Club's repeater site have been located, thanks to Bob, NC6J, and Stan, W9FQN. Bob searched out a map of a previous survey and thus he and Stan were able to locate the corner stakes. We now have an accurate plot of the site, including the location of the repeater building and the future location of the tower being donated to the Club. Thanks to Bob and Stan for their good work. Thanks also to Silent Key Walt Lockhart, W6SCI, who instigated the survey.

The tower, which is being donated to the Club by radio station KOGO, is 70' tall, 4.5' at the base, and triangular. Each section weighs about 500#. The concrete base will be 9' square and 4' deep. Getting the antennas up above the tree tops should improve the 2M coverage in hilly north county, and make the 450 MHz machine much more useable since none of its radiation will be absorbed by the foliage, ice and snow, as it is now. The same holds true for the 220 Club's machine. The new tower should put

us a few feet higher than our antennas were at the original repeater site, so we shouldn't hear folks in the L.A. area any more often than we did then.

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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 was on display at the last club meeting. Ed, brought it to the club meeting in the trunk of his Honda (which shall henceforth be know as "Ed's herniated Honda"). Nice looking generator and not the run of the mill "genny". It needs a 12V battery since it is battery start. Marty, K6NS, is working on getting together the necessary meters, controls, and outlets to make it useable. Some of the parts donated to the Club from W6SCI's estate may be used. Its 3.5 KW output will be a definite asset to the Club in time of emergency and for Field Day operations.

RAIN REPORTS

All you laggards who don't have your rain gauges oiled up and in place 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.

LATE STUFF FROM THE ARRL LETTER

If you would like to serve as a Volunteer Examiner, please contact Curt Holsopple, K9CH, Volunteer Examiner Program Manager at ARRL HQ.

If you're having problems with interference from Cable TV, the ARRL would like to know about it. Take a minute to jot down your experience in a note to Richard Palm, K1CE, at ARRL HQ.

The ARRL is looking for volunteers for its ARRL Interference Reporting System (AIRS). See October QST pp. 54-55. Write to ARRL for application forms.

New and renewed amateur licenses are going to be for a 10 year term instead of the present five, according to an October 7 news release from the FCC. The renewal grace period is two years. Details in December QST.

FCC has affirmed the revocation of license of Harold Claypoole (ex-N6BII), saying: "Malicious interference in any radio service is a very serious matter. It is the most serious violation found in the Amateur Radio Service, warranting the most stringent penalty."

SICK CALL

Marty, K6NS, spent a week or two in Tri-City Hospital, and lost more than twenty pounds in the process. He's back home and doing well.

Jim, W6HUI, had his gall bladder removed and is back out of the hospital and recovering nicely.

Jim, W6IPP, is still in the VA hospital in La Jolla, and according to the last report from Frank, WB6HFE, is not showing much sign of improvement and still has a long way to go.

George Tuttle, KF6TF'S OM, suffered a disabling stroke and is at home with Dora under a nurse's care.

Bob, WA6KAR, says that he's stove up with some joint problems, but manages to get on the air occasionally.

Harry, K6EQC, has had a heart attack and is Sharps Hospital for bypass surgery.

DOWN THE TOOBE

Leona, WA6OHB, sends a card saying that she was happy to find SCOPE waiting when they got back to Santa Clara from sailing in Baja waters. She says that her daughter, Melinda, is now N6JCW. Leona and OM Carl, K6EYO, are rightfully proud.

Joe, WB6HMY, our North County Traffic Net Manager, says that he needs more volunteers for NCS and ANCS. Joe would also like more net members and traffic. It sure is a good place to get your feet wet in traffic handling and learn the proper message format and manner of handling traffic without being under the pressure of a real live emergency situation.

We are sorry to see Wally, K6HAP, leave us for Michigan. He was a pleasure to have around since he and I could spread confusion and fear in the ranks with our very similar call signs. We'll miss him on the net too.

Terry, WB6RWP, is getting back on the air, and has gotten himself a real deal on a tower and a quad.

The Club thanks Bob, NC6J, for his efforts in taking on the task of locating the corners of the Club's property on Mount Palomar. Bob, who is a professional surveyor, located the map of a previous survey, and, with the aid of Stan, W9FQN, was able to locate all four corner stakes. Thanks.

Don't know whether the Club is a ham club or a car club. Two recent members are NASH Williams and LINCOLN Clark. We also have two CUNNINGHAMS (Bill and John), two HEALYS (Tom and Wilma), and a COUP (Bob). I suppose we'll see them all KRUSEN (Don) along the WAY (Ed) if they get the correct directions from a COUNTRYMAN (Bill) and pass through the GATES (Bob) and don't stop off at a CHURCH (Jim). If there's a HASSLE (Nate), WILLET Allen do it rather than make Ralph a CROSSMAN. Enough? Say "Uncle".

Congratulations to Ron, KF6ND, who used to be N6IPJ.

The following recipe is the one for the chili that Ye Olde Ed has brought to several club picnics, and to the NCYLRC picnic this year. Due to the volume of requests for the recipe, we print it here. It also is a good filler of space in the newsletter when we're too lazy to dream up anything else.

GENE GOSS'S CHILI

30 Sweet red Bell Peppers, finely chopped 1/2 Cup ground Cumin (Cumino)
1/4 Cup dried Mexican red peppers (hot) 5 Cloves Garlic, minced
5 Pounds lean ground beef

Clean and chop or grind peppers and put with liquid into large pot with Cumin and ground hot peppers and ground garlic. Brown the ground beef and add to the pot. Cook slowly for one hour. Cool and put into one pound containers and freeze. Makes 10-14 lbs depending on size of Bell peppers.

For chili con carne with beans, add one 8 oz. can of tomato sauce and two 15 oz. cans of pinto or kidney beans to one lb. of chili. Serves two hungry ones or four with normal appetites.

This recipe came from Silent Key Gene Goss, W6ARN, who said that he got it from an old hunting magazine. The original recipe also included 2 1/2 lbs. of ground suet, but we think it tastes just as good without it, and we don't need all that fat.

"That's all", she wrote.

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION

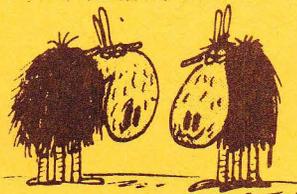
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FULL NAME None		COMPLETE MAILING ADDRESS
9. FOR COMPLETION BY NONPROFIT ORGANIZATIONS AUTHORIZED TO MAIL AT SPECIAL RATES (<i>Section 423.12 DMM only</i>) The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes (<i>Check one</i>)		
<input type="checkbox"/> (1) HAS NOT CHANGED DURING PRECEDING 12 MONTHS <input type="checkbox"/> (2) HAS CHANGED DURING PRECEDING 12 MONTHS (<i>If changed, publisher must submit explanation of change with this statement.</i>)		
10. EXTENT AND NATURE OF CIRCULATION	AVERAGE NO. COPIES EACH ISSUE DURING PRECEDING 12 MONTHS	ACTUAL NO. COPIES OF SINGLE ISSUE PUBLISHED NEAREST TO FILING DATE
A. TOTAL NO. COPIES (<i>Net Press Run</i>)	270	225
B. PAID CIRCULATION		
1. Sales through dealers and carriers, street vendors and counter sales	0	0
2. Mail Subscription	254	211
C. TOTAL PAID CIRCULATION (<i>Sum of 10B1 and 10B2</i>)	254	211
D. FREE DISTRIBUTION BY MAIL, CARRIER OR OTHER MEANS SAMPLES, COMPLIMENTARY, AND OTHER FREE COPIES	3	2
E. TOTAL DISTRIBUTION (<i>Sum of C and D</i>)	257	213
F. COPIES NOT DISTRIBUTED		
1. Office use, left over, unaccounted, spoiled after printing	13	12
2. Return from News Agents	0	0
G. TOTAL (<i>Sum of E, F1 and 2—should equal net press run shown in A</i>)	270	225
11. I certify that the statements made by me above are correct and complete	SIGNATURE AND TITLE OF EDITOR, PUBLISHER, BUSINESS MANAGER, OR OWNER <i>Ralph B. Crossman</i> Ralph B. Crossman, Editor	

PS Form July 1982 3525

(See instruction on reverse)

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SCOPE - NOVEMBER

John Kuivinen
WB6IQS
P.O. Box 1466
Vista CA

07/84

92083



W6NWX

Scope

VOL. XVIII, NO., 12

1936 - 1983

DECEMBER, 1983

PRESIDENT:

VICE PRESIDENT: Ed Ross, N6GZI, San Diego

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, 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. 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 W6NWX/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

DECEMBER CLUB MEETING

THE PROGRAM for the evening will be presented by Warren Hodges. He will talk about Hidden Antennas.

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

SHOW AND TELL will feature a 2M RDF antenna, by Marty, K6NS. He will also have on hand his 2M four element quad beam. There will also be available a Call Directory which lists amateurs by name rather than by call. Please bring in the full name (including middle, if known) and the approximate year of birth of the ham concerned and we will provide his new call letters if he still has a license.

There will be a SILENT AUCTION on some of the small items from the estate of W6SCI, which will be out on the auction table with cards for your bid. Write your bid and callsign 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 to the close of bidding. If you are the high bidder, you pays your money and you takes your merchandise.

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

NOVEMBER CLUB MEETING

At the November club meeting, Don Leo, WB6WBX, of Rancho Bernardo, gave us a very interesting illustrated presentation on Working the Satellites. Stan, W9FQN, gave us more on the care and feeding of NiCad batteries, and Ralph, K6HAV, showed us his Kenwood TW-4000A dual band (2M and 450 MHz) 25W Fm rig with which he worked both W6NWG/R channels.

The Secretary's and Treasurer's reports were read and approved. No other business was conducted. Ed, N6GZI, announced that the Club had finally received the letter from radio station KOGO, donating the 70' commercial tower we had been told we would receive. Ed also announced the slate of officers for 1984 selected by the Nominating Committee. It is as follows: President, Ed Ross, N6GZI; Vice President, Bill Cunningham, N6GSS; Secretary, Billy McCord, WB6TBQ; Treasurer, John Tentor, W6OLO.

N6GZI asked for input concerning advertising in SCOPE; and concerning a club auction. Brian, KF6BL, stated that volunteer help would be welcome at the Camp Pendleton MARS station to run phone patches for overseas marines.

A grand time was had by all, especially me since I won a prize - for a change.

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 NOVEMBER MEETING: after a discussion of how we should extend membership invitations, Barbara Rohrer, KA6FPS, was appointed Membership Committee Chairman; the Committee approved sending a membership letter and application to interested persons.

After a discussion of soliciting advertising for insertion in SCOPE, it was decided that we should have a trial period with advertising. Ed Ross, N6GZI, was appointed Advertising Manager for the SCOPE. Stan Rohrer, W9FQN, will do the advertising layout.

A grand time was had by all.

TOWER DONATED BY RADIO STATION KOGO RECEIVED

The PARC is finally owner of a 70' free-standing tower which was very generously donated to the Club by radio station KOGO. Stan, W9FQN, assisted by N6AEF, N6GSS, N6GZI, K6HAV, KA6HZF, and WB6IQS loaded the four tower sections onto Stan's boat trailer on Saturday, 19 November, and removed the tower from KOGO's transmitter site to a storage space on Stan's property. 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! The move, for which \$50 was budgeted, cost nothing, thanks to Stan's loan of his boat trailer.

The Club thanks radio station KOGO for this wonderful donation of a very high quality, hot-dip galvanized tower. It's a dandy! Thanks also to Bob Gonsett, WA6QQQ, who steered the Club to the tower and greased the skids in our direction.

FULL COURT PREZ

There is now a PARC Membership Committee Chairperson. Let me introduce Barbara Rohrer, KA6FPS, of Valley Center. She will send prospective members a packet of information about our nifty club. If you have an occasion to spark someone's interest in PARC please contact Barbara and provide her with name, callsign, address and any other pertinent info (such as specific information requested).

I remind everyone that we should always be willing to help someone in whatever way we are able or get in touch with someone who can.

73 de N6GZI

1983 FIELD DAY RESULTS

The PARC placed second in California and first in San Diego County in the 6A (six transmitters) category of ARRL's 1983 Field Day Contest. Our club did a fine job, despite the presence of Murphy and his law-enforcement activities. A grand time was had by all - probably.

COMPUTER CORNER

TI is going out of the computer business, sales on TS-1000 have slowed. VIC-20 will soon go out of production, Commodore C-64 will probably come down from its \$199 price (costs dealers \$95). Disc drives for C-64 are now

BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, WD6BEZ, WD6CLG, N6DRX, VE2EP, WB6GXP, N6IPJ, NE6K, KA6MLY, KA6MWU, K4NLM, and WA6TIJ, are available from our aging-but-agile club treasurer, W6OLQ. If you're not really sure of yourself but would still like a badge, John just might let these go at veery rea\$onable price\$.

REPEATER

The timer on the 2M repeater has be re-set to two minutes. The repeater control system is back in full operation, thanks to John, WB6IQS.

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 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 preceding 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.

RAIN REPORTS

All you laggards who don't have your rain gauges oiled up and in place 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.

Allen Willett, N7AMR, fell and broke his arm. He's home again after spending nearly a week in the hospital.

DOWN THE TOOBE

According to World Radio, call signs issued in the 6th call area as of 1 October were NV6D, KF600, N6JMK, and KB6CGJ.

KA6YBC/R, the 220 MHz repeater located high atop the San Marcos Mountains is, at last, operating on its final, coordinated, frequency - 224.440 down. This is an open repeater owned by Steve Cilurzo, KA6YBC. He hopes that folks with the gear will make use of this fine machine.

Pat, N6INN, has the base for her new tower poured - all 9 1/2 tons of concrete and more than 200 lbs. of re-bar and base. Thanks to Bob, KA6HZF, the concrete and re-bar work comes up to containment-vessel-on-earthquake

showing up in the usual stores.

de W9FQN

FORESAIL

(What a bunch of Jib erish)

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.

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

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 433-8881 or 434-5656.

Super-Pro SP-600JX BC to 54 MHz receiver w/SSB converter and manuals. \$150. Multi-Elmac rx 80-2M w/12 vdc pwr supply, \$25. 6M-10M JFET-type convertor, \$15. Heathkit GR-88 w/AC pwr supply 148-174 MHz, \$25. Call Honest John, WB6IQS, at 724-8380.

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

MFJ Versatuner 941, Dentron W2 wattmeter, Heathkit SA 7010 4-elm tri-band beam, Astro 200A 80-10M xcvr w/pwr supply, CDE rotor w/contl. Call Ray Dill at 619-922-2470. 9/83

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

→ From the estate of Bob Clark, N6DYO: Tempo 2020 80-10M xcvr w/spare final & driver tubes, spkr, and mike, Tempo 2010 external VFO, \$400. Call Ralph, K6HAV, 727-5866.

Clegg 27B 30W FM 146-148 MHz synthesized xcvr w/mobile mount and manual, \$75. 146-153 MHz tuneable or xtal contl 12 VDC rx, \$35. All Yaesu: FT101B, 10-160M xcvr w/mike & manual, \$300; FV101B external vfo, \$75. Call Ralph, K6HAV, at 727-5866.

→ Swan 270-B w/mike, vox, and 12V converter, \$200. Call Charlie, KE6QV, at 433-1258. 9/83

WANTED

(Chloe!)

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

Heathkit IP-27 or equivalent low voltage bench pwr supply, current and voltage regulated. Working or as-is condx OK. Call John, WB6IQS, at 724-3830.

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

HELLUP WANTED

(It'stroo 'stroo)

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

JOHN C. LONDELIUS, W6ZYT, SILENT KEY

Herb Stovall, W6FET, reports with regret that his close friend John Londelius, W6ZYT, of Fallbrook, and a former PARC member, became a silent key on November 16 at Scripps in San Diego. John was a gentleman and a good operator. He will be missed by all who knew him.

LICENSE EXPIRATIONS

11/83: W6YYV and AK6Z. 1/84: WB6TBO. 2/84: WA7FUI, K6PP, WA6SVN, and W6QWH, 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.

fault standards. Now if the tower is half as good as the base Hopefully, by the time this hits the street the tower will be on the base and we'll be assembling the gint Telrex four-bander.

Felix, N6IE, is looking into a flea mart being held at Palomar College with an eye to getting something going again for the Club.

Had a nice communication from Leona Wallace, WA6OHB, and Carl, K6YEO, who send greetings to all from Guaymas, Mexico. They are back aboard after having left the boat there over the hot months. They plan to go to La Paz and then across to the mainland and down to Costa Rica.

To W1LE: Your first note to have your ad deleted from SCOPE reached us after the November issue went to the printer's. Sorry 'bout that. We hear you, we hear you.

Barbara Rohrer, KA6FPS, would like to know the callsigns of stations you hear on the repeater frequently who are not club members or who indicate an interest in joining the Club. As Membership Committee Chairman, she'll take it from there.

Thanks to Stan, W9FQN, Bill, N6GSS, Leona, WA6OHB, and others who provided us with copy for this month's issue. Thanks also to our infamous folders, spindlers and mutilators who get this thing all together so we can turn it over to the postal inspectors in good shape.

You'll notice that we have a space for advertising this month. As previously noted, we're going to try it out and see how it goes.

The Club thanks to Ron, KF6ND, for his very handsome donation to the Club's Generator Fund. Hope the magazines provide you with lots of reading.

"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
\$30/HALF YEAR/CARD
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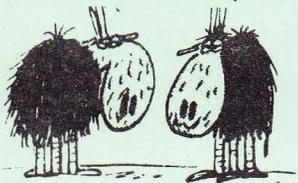
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