

OFFICIAL PUBLICATION OF SANDRA, INC. Volume VIII Number 5 MAY 1980



IN THIS ISSUE......

NEW IDENTIFICATION BADGES Inside Cover ORGANIZATIONAL CHART OPERATIONAL GUIDELINES Inside Back Cover PROPERTY INVENTORY

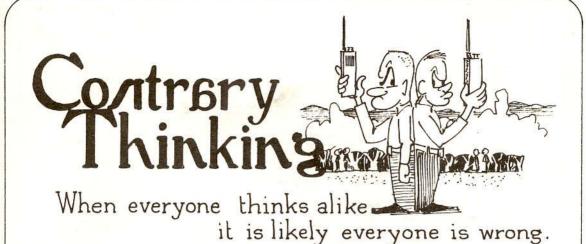
Centerfold Page Three



ACTUAL SIZE



Ever come away from an Amateur Radio meeting with a severe case of eyestrain and still not sure who it was you had been talking to? Be kind to others - wear one! See inside back cover for particulars.



This space had been reserved for two good letters from a couple of members who are questioning the ideal of having repeaters that cover such a wide area. Simply, they ask, "Why is it necessary to have "hand-held" communication so far from the local need?"

Why, indeed? Do you have a compelling reason? Tell us about it.

Certainly "hand-held" transceivers are a boon to our ease of communication and no such device is going to get you to the San Fernando Valley without some help. The members of SANDRA are providing quite a bit of help to the hams both here and there.

We've recently experienced some lessthan-pleasant results of having a repeater which could hear and talk to almost all of Southern California. It sure is nice to talk to Los Angeles any time you want but is that the price you members are willing to pay?

Surely the postman will have the two letters here in time for the next month's column and, maybe, you'll feel strongly enough about this concern to send in some comments of your own.

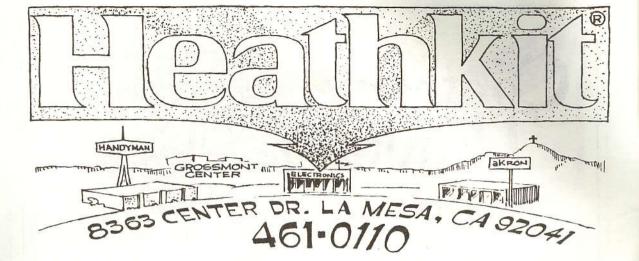
These pages are here for just such a reason and, in many instances, a much better place for the members to voice their contrary thinking on common problems. When is the last time you personally won your point over the radio? If you were able to carefully consider all of the pertinent information and then present a calm and cogent position -- congratulations! Most of us get a bit tempermental and carried away with our own rhetoric - later wishing that most of what we said, we hadn't.

Right now the new Board is in the process of making a comparative analysis on the options which have arisen out of the relocation of the former Mt. Otay machines. They are compiling a matrix of evaluations of which the "wide area" concept is just one. The object is to make the most of each of the options available.

When they finally agree upon a completed analysis you can be assured it will be a well weighted and inclusive action.

What do you think about the "wide area" coverage? What considerations do you feel are necessary to such a decision?

Write your own letter to the Editor!



Announcing... the Heathkit VF-7401 2-meter FM Digital Scanning Transceiver

Hi! I'M CRAIG COOK

THE NEW MANAGER.

COME IN AND I'LL

GIVE YOU TWENTY-FIVE

DOLLARS OFF ON

THE VF-7401.

764 11 11 11 11 mm

THE SANDRA AUTOPATCH

THE SANDRA 147.885/147.285 mhz REFEATER IS AN OPEN REPEATER OPERATED FOR THE USE OF ALL AMATEURS. AS AN ADDED FEATURE, AN AUTOFATCH CAFABILITY IS INSTALLED FOR THE USE OF MEMBERS OF SANDRA, INC.

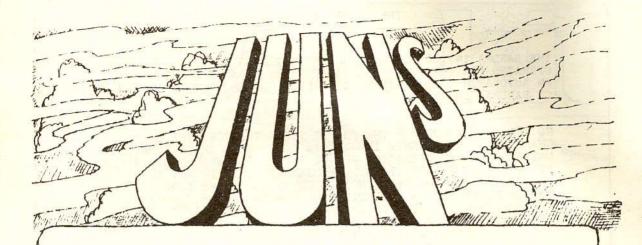
NO FEE IS CHARGED FOR THE USE OF THE AUTOPATCH. THE DUES CHARGED FOR MEMBERSHIP IN SANDRA, GO TOWARDS THE PURCHASE, MAINTENANCE AND OPERATION OF ALL REPEATERS OWNED AND OPERATED BY SANDRA, INC. ADDITIONALLY, MEMBERSHIP DUES DEFRAY THE COST OF RUNNING THE CORPORATION IN SUCH AREAS AS THE PUBLICATION OF OUR MONTHLY NEWS BULLETIN, THE SENDING AND RECEIVING OF CORRESPONDENCE, THE PRINTING OF ROSTERS AND MEMBERSHIP AFPLICATIONS, THE EXPANSION OF REPEATER SITES, DONATIONS, ETC. (FCC RULES & REGS, PART 97.112 APPLIES)

THE RESTRICTED DISSEMINATION OF THE AUTOPATCH ACCESS CODE IS UTILIZED AS A PROTECTION MEASURE FOR THE TRUSTEE'S LICENSE. THE TRUSTEE IS RESPONSIBLE FOR THE TRAFFIC ORIGINATING THROUGH THE REPEATER. BY LIMITING THE ACCESS CODE TO ONLY SANDRA MEMBERS, HE IS PROVIDED THE NECESSARY CONTROL OVER WHO UTILIZES THE AUTOPATCH FEATURE. THIS IS ACCOMPLISHED BY;

1) MEMBERSHIP IN SANDRA ENSURES THAT THE INDIVIDUAL IS A LICENSED AMATEUR RADIO OPERATOR, AND, 2) SINCE ALL MEMBERS AGREE TO ABIDE BY THE RULES OF THE ORGANIZATION, IF A PERSON REFUSES TO OPERATE THE AUTOPATCH PROPERLY, TERMINATION OF MEMBERSHIP COULD RESULT THUS REVOKING THAT PERSONS CAPABILITY TO USE THE AUTOPATCH. (FCC RULES & REGS, FART 97.78,85,86,89,114,115,116,119,121,123,125 APPLY)

See also SQUELCH TALES January 1979 p. 5,6,7,8 and 9 Ed.







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MINUTES - MEMBERSHIP MEETING

17 April 1980

- Sale/Swap table opened at 1900.
- Gene, WD6EXN, called meeting to order at 1930. 66 in attendance.
- Minutes of last meeting approved.
- Treasurer's report showed balance on hand of \$2525.51.
- Membership Chairman reports about 40 new memberships were responded to with the wrong Autopatch Code. The numbers were correct but the sequence may have been wrong. The smaller number comes first.
- Bill, W6THR, gave an update on the relocation plan promulgated in last month's Squelch Tails. Essentially, the 04/64 repeater is operating from the private site atop Mt. Helix, as per plan. The 220 and 450 machines are currently off-the-air. The 2 meter solid state repeater is undergoing some modifications, the most significant being the installation of the beepertimer. Negotiations with SDG&E and NASA are progressing. Indications are positive. No new developments regarding our application with the California Division of Forestry for a LYONS PEAK repeater site.
- Harlow, WA6LZG, advised that some "unsolicitated" money has been coming in from members that is ear marked to be used for defraying the cost of our new repeater vault on OTAY. As a result, an OTAY BUILDING FUND has been established. Currently, a little over \$100.00 is in the fund. Anyone desiring to contribute to the OTAY BUILDING FUND can do so by sending a check to the treasurer via the SANDRA P.O. Box. The money will be held separate from the general treasury and will be utilized only towards the construction of our new building.
- The program for the evening was entitled "INTERFERENCE" and was conducted by Howard, K6RYA. It was given in two parts. First, a discussion of existing interference on our repeaters, a review of the "Accepted Procedures" hand-out, and a discussion of methods for combating interference. The second half was a slide show on the development and up-to-date techniques used in VHF direction finding. Note: If anyone desires a copy of the "Accepted Procedures" hand-out, drop a note to the Secretary via the SANDRA P.O. Box or, supplies will be available at all meetings and the SANDRA table at the Swap meets.
- A motion was made by Sybil, W6GIC (Seconded by Gill, W6QR), nominating Wayne, W6PDA, to head up the OTAY building group.
 Following discussion, the motion was defeated.
- The meeting was adjourned at 2145.

July SFS

Polly Leonard still has Phil's (Silent Key K6MTN) radio desk for sale. It is wired and has many outlets. Dave WB6DSP would like to get a number of toys out of his "Sand Pile": 478-5391 eworks stoget a serveser" CAPEHART 39A/URR General Coverage Receiver with the original manual. \$275.00 - or offer. Tellens enl PALOMAR Six and Ten Meter Transceiver which has been used only a few hours. \$395.00 splumoig neigINFOTEC RTTY-12 with TRS-80 Monitor \$500.00 in last month, a squelch Tairs. Essentially, the 04/64 regards operating from the private site stop Mt. Helix, as per pHoward N6BXM 297-1195 wants \$400.00 for a KENWOOD TS-700A equipped with a Lunar Pre-amplifier and a He In Kenwood Touchtone Microphone. . aviiled ers andidabibal application with the California Division of Forestry for a LYDNS PEAK repeater site. Lenny WB6SIP has a number of items in "top condition". STANDARD 146A Hand Held with nicads of educated (Bonus antenna and adapters is you buy all) ATRONICS Code Reader with 3/4" Display \$135.00 TEN TEC Argonaut Transceiver...... \$175.00 Procedures" Mand-out, drop a note 182-9182 the Call Lenny at 582-9182 the will beautiful and the Call Lenny at 582-9182 the will be so or, supplies will be so or a supplier will be supplier will be so or a supplier will be supp and the SAMDRA table at the Swap meets. A motion was made by Sybil, W6GIC (Seconded by Gill, W6GR), Pat WB6VSL is looking for 3393.6KHz and 3396.4KHz crystals for his Heatikit 401. Phone 448-0874 The meeting was adjourned at 2145. Bill WA6DWR would like to buy your spare 2Meter Base Transceiver. He'll also renew your membership. 460-4754

COMPANY THE GIANT

REVOLUTIONIZES THE STATE OF THE ART

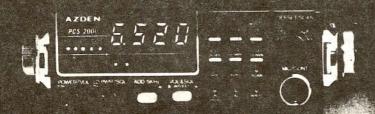
AWE AND AZDEN. INTRODUCE THE BRILLIANT NEW PCS-2000

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REG. \$369.00

MICROCOMPUTER CONTROLLED SUPERIOR COMMERCIAL GRADE 2 METER FM TRANSCEIVER

NOT \$550.00 **SPRING** SALE OTIL REG. \$369.00





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AND ASILE! ONLY 6 3/4" x 2 3/8" x 9 3/4". COMPARE!

PUTER CONTROLLED: All scanning and frequency-control man performed by missecomputer.

ARE HEAD: The control head may be separated from the radio

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sed even when the unit is turned off. SORY SCAN: The six channels may be scanned in either the "busy or "vacant" modes for quick, easy location of an occupied or unoccupied

frequency. AUTO RESUME. COMPARE!
FULL-BAND SCAN: All channels may be scanned in either "busy" or

"vacant" mode. This is especially useful for locating repeater frequencies in an unfamiliar area. AUTO RESUME. COMPARE! START MEMORY-1 RECALL: By pressing a button on the microphone

or front penel, memory channel 1 may be recalled for immediate use MIC-CONTROLLED VOLUME AND SQUELCH: Volume and squelch can

be adjusted from the microphone for convenience in mobile operation. ACCESSORY OFFSET: Provides three additional offset values: +0.4 MHz, +1 MHz and +1.6 MHz. Other offsets may also be obtained.

S WATTS OUTPUT: Also 5 watts low power for short-distance commun-

GITAL S/RF METER: LEDS indicate signal strength and power output. No more mechanical meter movements to fall apart!

LARGE 1/2-INCH LED DISPLAY: Easy-to-read frequency displa minimizes "eyes-off-the-road" time.

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SUPERIOR RECEIVER SENSITIVITY: 0.28 uV for 20-dB quieting. The squelch sensitivity is superb requiring less than 0.1 uV to open. The receiver radio circuits are designed and built to exacting specifications, resulting in unsurpassed received-signal intelligibility.

TRUE FM, NOT PHASE MODULATION: Transmitted audio quality is optimized by the same high standard of design and construction as is found in the receiver. The microphone amplifier and compression circuits

offer intelligibility second to none.

OTHER FEATURES: Dynamic Microphone, built in speaker, mobile mounting bracket, external remote speaker jack (head and radio) and much, much more: All cords, plugs, fuses, microphone hanger, etc. included. Weight: 6 lbs.

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EXTERNAL SPEAKER \$18.00.

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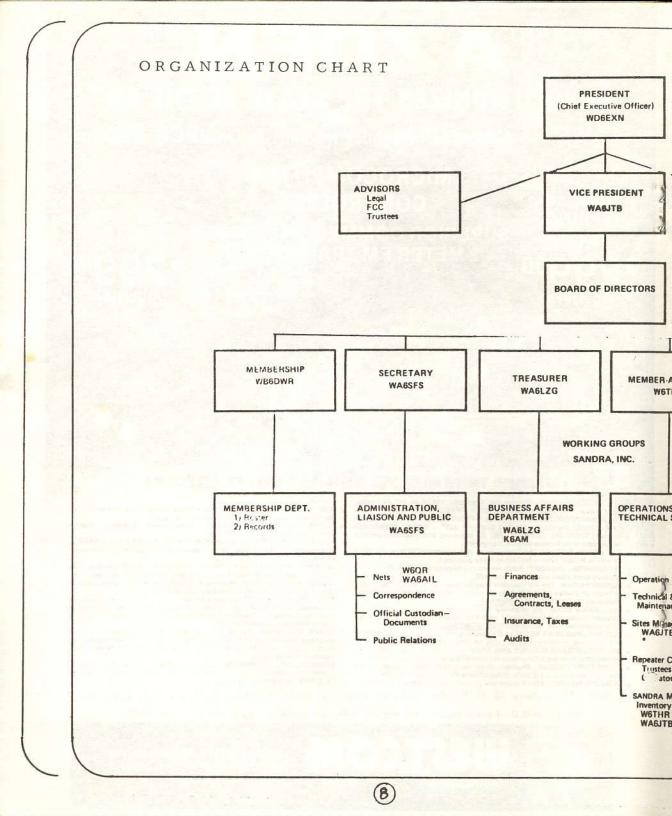
Brooke WB6WBB Jack WB6ZRP Ken PHØNY Merit W6NLO Floyd W6JSP Ed WB6WQI

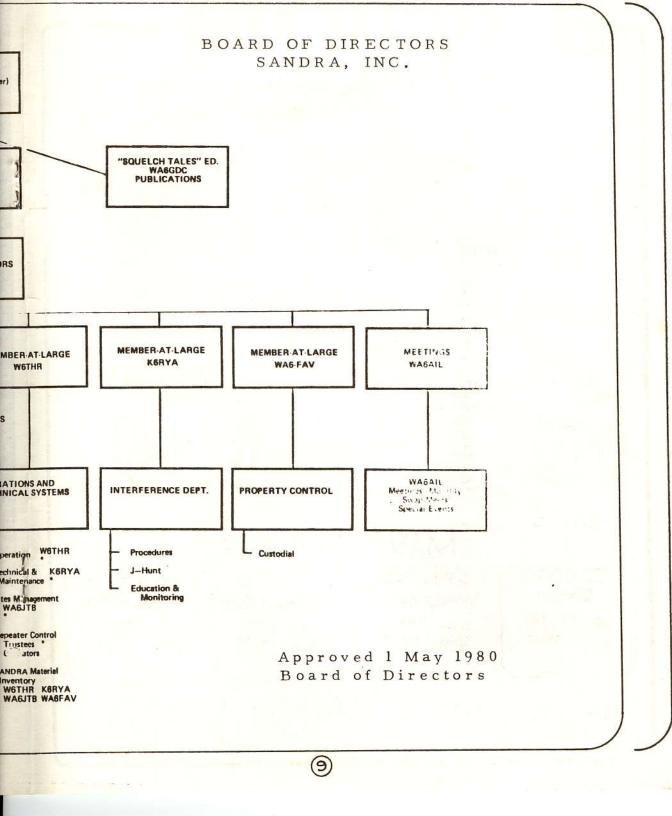


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MAY SPECIALS #2 SWAN 742 MOBILE ANT WAS \$10995 NOW 8850

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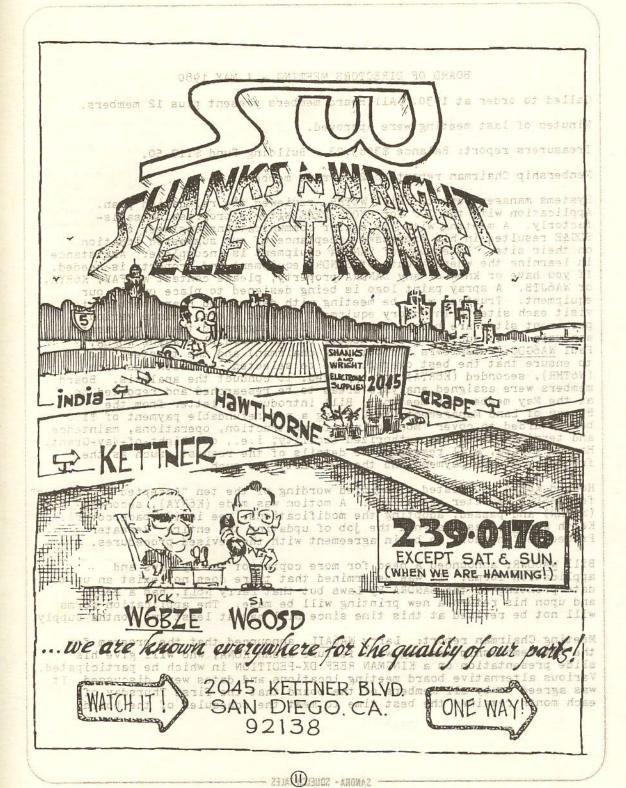
3 ELEMENT BEAM WAS \$ 22995 19595 NOW

W6KCK

WA6ENU BOB

WB611K

WB6CDA



BOARD OF DIRECTORS MEETING - 1 MAY 1980

Called to order at 1930. All Board members present plus 12 members.

Minutes of last meeting were approved.

Treasurers report: Balance \$3085.93. Building Fund \$119.50.

Membership Chairman report: 802 current members.

Systems manager report: Bill W6THR, reviewed the relocation plan. Application with the CDF for LYONS PEAK site is progressing satisfactorly. A meeting with the senior communications engineer of SDG&E resulted in his expressed acceptance of our suggested location on their site. Inventory of SANDRA equipment is incomplete. Assistance in learning the where abouts of SANDRA equipment and property is needed. If you have or know of any SANDRA property, please contact WA6FAV, K6RYA, or WA6JTB. A spray paint logo is being designed to place on all our equipment. Trustees will be meeting with designated Board members to visit each site to inventory equipment located there. Since various permanent sites are being considered, Bill suggested that a comparative analysis be conducted by each member of the board plus Wayne W6PDA, Paul WA6GDC, (volunteers for building chairman) and the trustees, so as to ensure that the best overall site be selected. A motion was made (W6THR), seconded (K6RYA) and approved, to conduct the analysis. Board members were assigned analysis areas to be researched and reported on at the May membership meeting. Bill introduced a letter from the Bureau of Land Management, requesting a non-refundable payment of \$100 be forwarded to cover "monitoring of construction, operations, maintence and termination of the authorized facility," i.e., our Right-of-Way-Grant. Harlow WA6LZG, will research the details of the request, such as the frequency of the payment and the authority for such.

Howard K6RYA, suggested a modified wording of the ten "Accepted Procedures" for SANDRA repeater operations. A motion was made (K6RYA), seconded (W6THR) and passed, adopting the modifications. (see inside back cover). Keith WA6FAV, was assigned the job of updating the entire "Repeater Procedures" handout to be in agreement with the revised procedures.

Bill WA6DWR, announced a need for more copies of the By-Laws and application forms. It was determined that there does not exist an up-to-date printing of the SANDRA By-Laws but that Larry N6LY, has a copy and upon his return a new printing will be made. The application forms will not be revised at this time since Bill has at least two months supply.

Meeting Chairman report: Larry WA6AIL, announced that the program for the May membership meeting will feature Glenn K6NA, who will give his slide presentation on a KINGMAN REEF DX-PEDITION in which he participated. Various alternative board meeting locations and dates were discussed. It was agreed to by all members of the board that the first Thursday of each month remained the best time to meet the schedules of the board,

Squelch Tales Editor report: Paul WAGGDC, advised that for everyone's edification, issues resolved at SANDRA meetings will be reflected in the next issue of Squelch Tales.

Autopatch policy. Recently, the restricted dissemination of the autopatch access code to members only, was openly questioned and discussed on the 04/64 repeater during and after the Sunday night net. The issue was discussed indepth and Larry <u>WA6AIL</u> and Jay <u>WA6SFS</u>, were tasked to summarize SANDRA policy for promulgation.

Re-imbersement policy. The method and limitations of payment of expenses required in connection with the maintenance of SANDRA repeaters, was considered as not clear and well understood. After extensive discussion, a motion was made (WA6LZG), seconded (WA6DWR) and passed, stipulating that the Treasurer is authorized a \$50 maximum for routine business and re-imbersement for maintenance expenses and that \$15 per trip to repeater sites outside San Diego proper, be authorized to be paid by the Treasurer to the Trustee, or his authorized representative.

Del Mar Fair Booth. Dave N6BSD, reported that SANDARC has obtained a booth at the Del Mar Fair for the purpose of promoting amateur radio. (21 June - 6 July). As a member of SANDARC, the SANDRA representative agreed, on behalf of SANDRA, to accept the dates of 28-29 June as our dates for being responsible for the booth. A motion (WA6SFS), seconded (WA6DWR), and passed, was made stipulating that we participate and that a Booth Chairman be selected to coordinate our effort. Larry WA6AIL, was appointed chairman.

SANDRA insurance. Harlow WA6LZG, discussed the limits of our current insurance, raising the question of membership coverage. WA6LZG, along with Gill W6QR, were tasked to research the exact extent of insurance coverage provided to SANDRA and to report as soon as possible to the President.

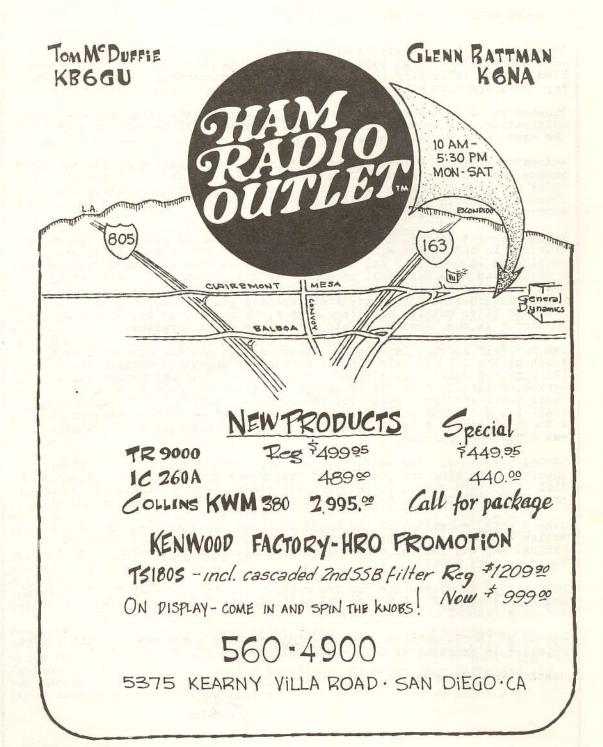
Gene <u>WD6EXN</u>, submitted to the board a SANDRA organizational chart. A motion was made to accept the chart as presented (WA6SFS), seconded (W6THR) and was passed. (Chart was the product of two months of each board members work)

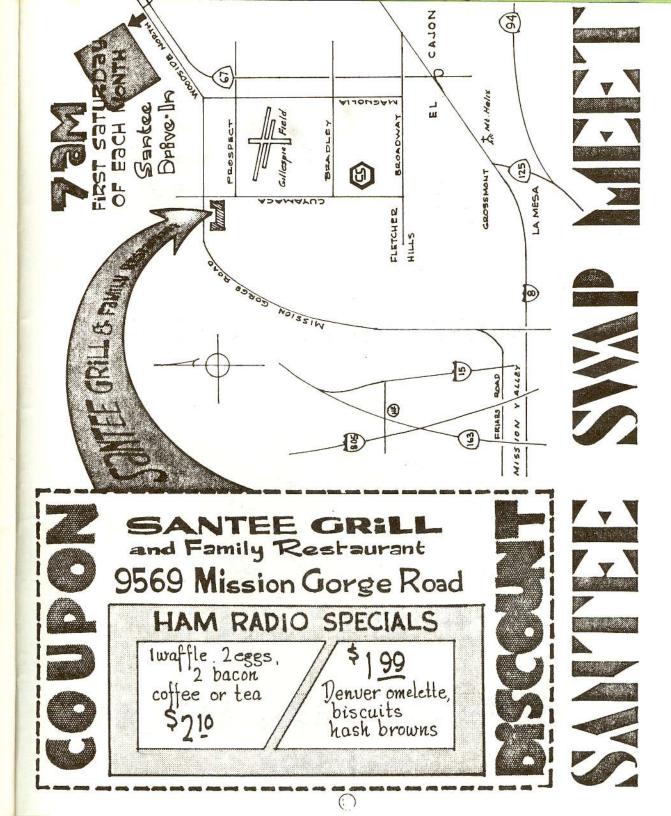
Bill W6THR, submitted the job description for the Operations & Technical Systems Department. A motion was made to accept the description (K6RYA), seconded (WA6SFS), and was passed.

450mhz MT LAGUNA machine. Wayne W6PDA, advised the board that the 450mhz repeater is operational on 444.825 (R)/449.825 (T) 1B-PL.

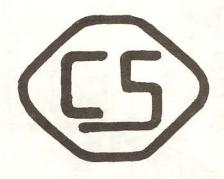
Meeting was adjourned at 2150....(whew)

fay Juneses





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Y 15	URSD	
	YAC	

7:30 PM, 4044 IDAHO, SAN DIEGO GENERAL MEMBERSHIP MEETING slides and talk about DXpedition to Glen K6NA (HRO manager) will show lonely Kingman Reef.

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starts from Del Cerro at 7:30 PM "T" hunt for Chuck WD6APP 146, 76

SUNDAY MAY 18

Mission Bay South of De Anza Cove GOLDEN BEAR NET PICNIC

MAY 20

TUESDAY

OFFICIAL BOARD MEETING open a few thousand words in Anaheim. Wayne Green W2NSD/1 will deliver

THURSDAY JUNE 5

SANTEE SWAP MEET Note: Gates open at 7:00 AM !!!!! to all members of SANDRA.

SATURDAY EVERY

JUNE 8 SATURDAY

on 146.04/64....enjoy! at several locations. Make inquiry Informal and unafilliated breakfasts