



SCCARA-GRAM

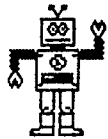
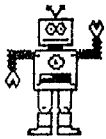
W6UUVOLUME 5

NUMBER 9W6UW

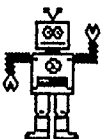
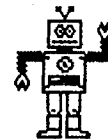
SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION

****ORGANIZED IN 1921

SAN JOSE, CALIFORNIA****



SEE YOU AT PACIFICON '86



BE SURE TO REMIND ALL OF YOUR...FRIENDS AND FELLOW HAMS TO BE AT THE HAM CONVENTION, OCT 3-5 IN SAN JOSE AT THE LE BARON..... HOTEL! EXHIBITS * FORUMS * VEC..EXAMS * AND MUCH MORE !!!!!!!

FROM THE PREZ

We really don't want you to get used to the luxury of meeting in the Board of Supervisors' Chambers at 70 W. Hedding Street, but that's where it's going to be again on September 8th at 7:30 PM. V.P. Art will give you the scoop on our speaker elsewhere.

Board Meeting will be 7:30 PM, September 18th as usual at San Jose Hospital in the San Jose Health Center, 75 No. 16th Street, Room B.

The last Board Meeting on August 21st was anything but dull. The Repeater Committee reported that the 440 machine will be on the air late September to meet the NARC deadline, not in its final form - but there. Look for it on 442.425 MHz out and 447.425 MHz input. It will be tied to our 146.385+ MHz Transceiver for now, which will be tweaked-up, and the message feature programmed to reflect current happenings. Efforts will also be renewed to resolve the intermod and interference problems. Thanks guys!

Discussion also centered on disposition of SCCARA station equipment now at Red Cross. "Doc" Gmelin, W6ZRJ, recently retired, has volunteered to find a "home" where this venerable gear can be housed and utilized. So now we have a new committee. Please give "Doc" all your assistance.

There will also be advertising in future SCCARAGRAMS at such time as someone volunteers to take over the function of Advertising Manager. This could readily be combined with the open job of running copy to the printer, picking it up and labeling it. Variations can be worked out if you are interested. Salary is fixed (\$-0-), but the sky is the limit so far as job title is concerned. This could be a most interesting job. Advertising rates are \$ 20/half page per month, copy photo-ready, six month contract. Be a hero(ine), call me soon - HELP!!! Dick Letrick says HELP, too!

Obviously, the BIG DISCUSSION was CONVENTION!!! "Shorty", AE6Z, reported on the various aspects. There were at that time 191 pre-registrants, 15 vendors in 25 booths to date. Program is nearly firmed up and we're looking for help. If you haven't been called - YOU call "Shorty". His number is 243-8349. Remember, this is supposed to be a SCCARA show - that's what we voted to do!

73's de WD6CHD (Chili Hot Dog)



SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION

MINUTES OF CLUB MEETING AUGUST 11, 1986.

The meeting was held at the Board of Supervisors Chambers, 70 W. Hedding instead of our regular place at the County Service Center. Was called to order by President Ed Rawlinson WD6CHD at 7:40 P.M.

DAN DIETZ, WM6M TREASURER'S REPORT. JULY 1986.

| | |
|---|-----------|
| Beginning balance (Repeater fund included of \$149.10)----- | \$1128.03 |
| Deposits----- | \$ 493.15 |
| General Fund disbursements----- | \$ 167.58 |
| Repeater Fund disbursements----- | \$ 117.10 |
| Ending balance----- | \$1336.50 |

San Francisco Federal Savings balance (to July 23)-----\$ 863.11

EMERGENCY SITUATIONS.

Jay Jaso, County Director of Aviation made a talk on the importance of having Amateur Radio helping in emergency situations. His responsibility of three County Airports in case of emergency. The transportation of patients to and from all hospitals "Life Flight", and also of critical supplies.

ROD STAFFORD, KB6ZV.

A full report of the outcome of the Board of ARRL Directors meeting at Connecticut. The two things that he had in mind for this meeting (1) enhancement of Novice operating privileges (current Novice privileges lack appeal to continue and are left by the wayside) and (2) the league involvement in call signs.

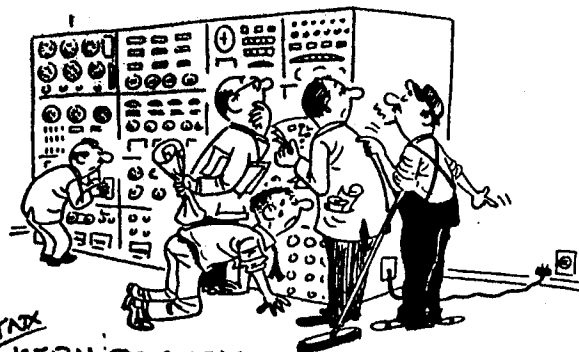
OLD TIMERS.

Ed has a tentatively reservation for October 11 at a County facility, Saratoga area, for old timers. The membership approved a barbecue combined with a Pot Luck for that date.


ATTENDANCE Today 52

There being no further business, the meeting adjourned at 9:40 P.M.

Respectfully submitted.
Joe Bocanegra, WA6YRU
Secretary



KERN COUNTY -
CENTRAL VALLEY, AMATEUR RADIO CLUB



CQ YL; CQ YL; CQ YL de Carla, W06X

August is almost over and summer is definitely on the way out. Have you noticed that it is getting dark earlier these days? This can only mean that fall will soon be with us, and with fall will come convention time.

A flurry of excitement is building up among the members of the convention committee. Everyone is working hard at making this convention the most successful ever.

At the convention a licensed YL forum will be conducted by members of BAYLARC and YLRL. I have sent out over 200 letters to division YL hams inviting them to attend the convention and forum. I am using my column to inform some of you. In the interest of economy the committee insisted on my using the column.

I had planned to have a YL luncheon, but difficulties have caused me to abandon my plans. I hope that some of us can make up an informal luncheon gathering at the convention.

Fran, KA6UUS is going to have some spouse programs for the unlicensed.

On July 9 I attended the BAYLARC meeting at the home of Edna, W6BDE in Moss Beach. Numerous YL's attended, and, since OM's were invited, my OM, Ed decided to attend. To his chagrin he found himself the only OM with a bunch of YL's. I thought it was hilarious, and I think that he grudgingly found the meeting interesting.

At the meeting I had the privilege of meeting Frances Wooley, G3LWY from England. She is quite a gal!!

Plans were discussed for the participation of BAYLARC in the convention YL program. Unfortunately all of our plans will not be used. Next time or else!!!

I want to thank Eric, N6NMZ for the info about the FT-2700 dual-bander. I will be sure to keep the lights dim on my rig. I was not aware of the problem. Thanks again Eric your warning is appreciated.

I had the opportunity to be part of the activities at the Moffet air show. As with any public service activity there is work and lots of fun. I truly enjoyed myself; I got a bad sunburn; and I enjoyed watching the performances of the Navy, National Guard, the German airforce, and the "Frecce Tricolori" group from the Italian airforce. I was quite proud to see how well my native countrymen performed. I have been told that this was the best attraction of the show. I managed to meet some of them and get their autographs.

This will cover it for this month, BUT ONE FINAL COMMENT TO THE OM IN THE FAMILY: PLEASE MAKE AN EFFORT TO HAVE THE XYL READ MY COLUMN ALSO.

CUL VY 33, Carla, W06X

..... The Equipment Column, by Eric N6NMZ

I've been spending a lot of time in the foothills, you probably haven't heard me on the air. I'm going to change the address for writing to this column, so take note of the new address at the end. I hope the list of swap net frequencies in last month's column came in handy for someone. Please let me know if I missed any.

It seems that Larry, KB6HRN, didn't buy that Yaesu Dual-band handheld. He instead opted to buy the Yaesu FT-703 to match his FT-203. How do you like it Larry? I have it from a good source that Larry will soon be buying an Icom 37A for 220MHZ. I want to thank Art, KG6PY, for the following information on the Yaesu FT-727R that Larry didn't buy. It is a microprocessor controlled, Dual Band, handheld radio. It provides 5 watts on both the 2-meter and 70 cm bands. It has a built-in digital voltmeter to keep track of battery condition. Other features include, illuminated keyboard, 10 memories, priority channel, band scan, and memory scan. Optional CTCSS encoder/decoder can be purchased. There should be a similar unit by Icom available soon. Rumor has it that it is already on the shelves in Japan.

Following is a list of repeaters on which Westlink can be heard at 9:00 P.M. Sundays:

| | | | | | |
|---------|--------|-------------|---------|--------|----------------|
| 146.115 | WB6ADZ | San Jose | 440.100 | N6ITW | San Jose |
| 147.195 | N6ICW | Sacramento | 440.350 | WD6AWR | Oakland |
| 223.620 | WD6EVM | San Leandro | 440.750 | WB6JKV | Berkely |
| 224.000 | KB6XN | Woodside | 440.850 | N6IYA | Santa Cruz Mt. |
| 224.280 | WA6GFY | San Jose | 441.300 | WB6ECE | Los Altos |
| 224.460 | WD6GYH | San Jose | 442.075 | WA6YXD | San Francisco |
| 224.640 | K6GZK | San Jose | 443.125 | WD6GYH | San Jose |
| | | | 444.625 | WB6FIY | San Jose |

Westlink is an amateur radio news service which provides some very interesting information on topics such as, Amsat, FCC rule changes etc. Give it a listen.

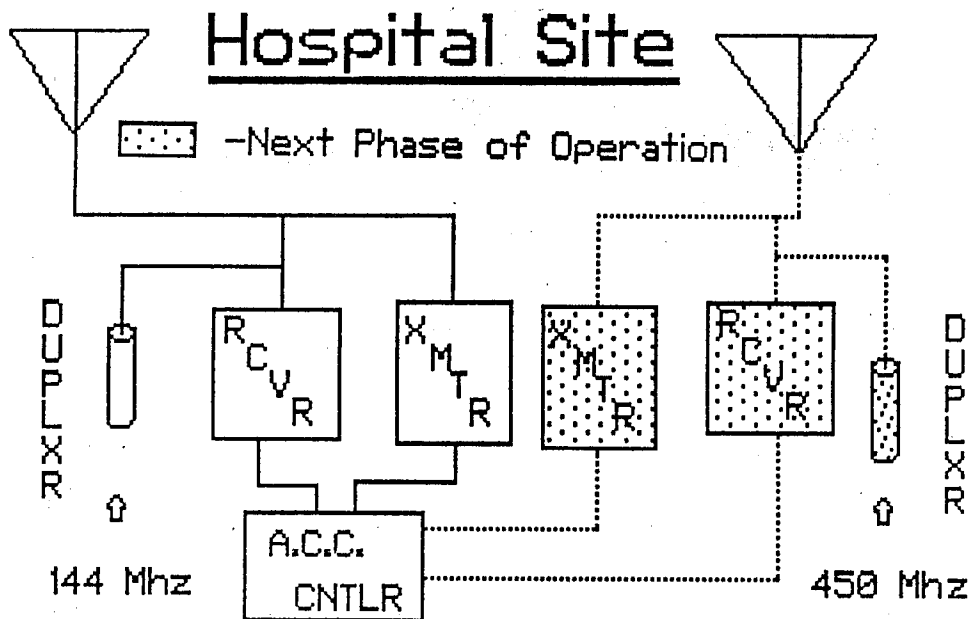
Since I am not getting the greatest response to this column, I'm going to try something different. I am going to give away a new copy of the 1986-1987 edition of the ARRL repeater directory to the first person this month to send me at least a paragraph about some radio equipment. The new address is: The Equipment Column, P.O. Box 643 Applegate, Ca. 95703.

73's
Eric Homa N6NMZ

PALO ALTO AREA CHAPTER OF THE RED CROSS

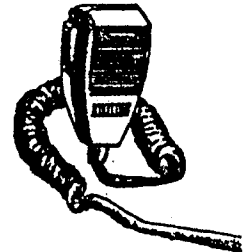
The Palo Alto "DISASTER VOLUNTEER GROUP" held a meeting and pot-luck dinner on Wednesday Aug. 27th to review their performance at the Moffett Air Show. If you are interested in belonging to this fine group, contact Harry J. Halberstadt. At the following address:

Palo Alto Area Chapter of the American Red Cross
400 Mitchell Lane
Palo Alto, Ca. 94301



144 Mhz-

1. Receiver is operational.
2. Transmitter is operational.
3. Controller is operating in minimal mode.
4. Phone line is unplugged from controller.



450 Mhz-

1. Receiver still needs conversion to ham frequency.
2. Transmitter checks out OK on the bench.
3. Exciter checks out ok on the bench.
4. Crystals are purchased and were checked out with xmitter.

ACTIVITIES PLANNED FOR NEXT MONTH

1. Adjust Audio up because of low Audio complaints.
2. Install 450 transmitter and exciter and antenna.
3. Convert 450 receiver to ham frequency and install into the rack.
4. Purchase 450 duplexors if donations permit.
5. Add messages to the controller that announce club events.
6. Get a letter sent on Club Stationary addressing the Clear lake Repeater Interference to NARC, ARRL, etc.

THINGS TO DO LIST.

1. Investigate the complaint about Intermodulation problems.
2. Get exact wording on our 144 & 450 NARC frequency sanction.
3. Develop the total financial picture of this project and present to the Board.

NEXT PHASE HARDWARE REQUIREMENT

1. Duplexors..... \$250 - \$550
Possible vendors: Telewave/ Telepath
2. Cooling Fan..... \$15
3. Thermal regulator for switching fan on/off... \$10

PROGRAM FOR SEPTEMBER 8, 1986

Our guest speaker will be Mr. Ron Shields, Mr. Shields is the Director of County Roads, His topic will be on maintenance of lighting, street signs and traffic signs of all county roads, I'm sure you will find his presentation very interesting and informative.

SEE YOU AT THE MEETING!!
73's

Art, KG6PY



FOR SALE & WANT

Rules are that only SCCARA Club members in good standing may use this service. Only items directly involved with Ham Radio may be submitted. A suggested price must be stated. All items will run for one issue only, unless resubmitted. Both name and phone number to be included.

FOR SALE:

Heathkit Station consisting of the following items

- Transciever.....SB 104A
- Power supply
- Speaker
- Clock / phone patch

100 watts out and its solid state finals

MAKE OFFER, Contact Joe, WA6DXP (408) 371-0959

HEATHKIT , SB 303 outboard reciever.
covers all major ham bands and is equipted with the optional 500 HZ CW filter.
Complete with all manuals, just add any outboard speaker and some kind of antenna! 75/80 thru 10 Meters

ASKING.....\$100.00

Contact: WA6O, George @ 408/ 866-5953



FROM YOUR TREASURER....

Greetings! Someone recently told me he enjoyed my column in the newsletter. We're not in this for *thanks* but as an effort to bring you news about members and activities. Remember, YOU, the clubmembers make the news. We always have several upgrades and new members to announce. We occasionally have some bad news to report, and I don't like that part, but it is necessary.

SCCARA has about 240 members now and we are all so occupied in our own activities that we might forget we belong to the best radio club around. The convention will showcase SCCARA to the Pacific Division. We want attendees to remember it for a long time as a professionally-run and fun convention. We have some volunteers, but we need clubmembers to volunteer for a few hours work at the convention. Shorty, AE6Z will be glad to hear from you and you'll be glad you helped!

NEW MEMBER....

Welcome to Stephen Sturgis, WA1MFB. He is an Advanced class and belongs to the League.

UPGRADES....

I can't seem to spell his name correctly,..and he can't pronounce mine..but sincere congratulations to Joe Bocanegra, WA6YRU who just passed his General! Joe is our club secretary. Also fulfilling a longtime dream is Joe Quirantes, WA6DXP who earned an Extra!! Eric Tofrud, KB6NOA traded in his Novice for a Tech as did Marshall Feldman, KB6NRJ. Marshall was in the last Novice class but just couldn't wait, so he passed his Novice AND Tech last month!

NOVICES....

Also to be noted for their achievements for passing Novice exams are: Robert Brown, Bill Johnson, Don O'Bella, J.J. Lauer, Robert Keller, and Michael Madden. We should be hearing them on-the-air soon.

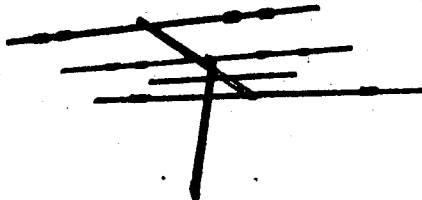
NEW CALLS....

Sure is hard to keep track of all the changes, but I'll try: Mickey Lutz is now signing N6ODN, Doug Eaton, WN6U, Bob Hallden, KB6NNZ, Ray Hutcherson, N6NEM, Christopherson Martens got his Novice ticket as KB6NTK, Bill Gritter, N6OCH (OUCH??), Bert Seymour, N6NGS, and Ron Saso is N6NJK.

DX NEWS....

I still haven't heard Marvin Moye, N6MXR/VQ9MM on from Diego Garcia yet. Conditions are the pits right now, but we should have some small amount of improvement come late September. Denny Vernier, W6UBC is stateside for awhile with an injured back. He was taken to New Jersey to get treatment, and I understand he is recuperating at the home of Fran, KA6UUS. I hope to speak to Denny soon and get more info on when he expects to get on from Greenland.

Don't forget the October 11th Picnic meeting. The big PAARA Flea Market will be at Ampex in Redwood City that same day. That's it for now. See you at the next meetings..AND THE CONVENTION!!!73 de Dan, WM6M



THE ABC's OF RITY #9

A M T O R. (Amateur Teletype On Radio)

| <u>Murray Code</u> | <u>Ltrs.</u> | <u>Figs.</u> | <u>AMTOR Code</u> |
|--------------------|-----------------|--------------|-------------------|
| 11000 | A | - | 1110001 |
| 10011 | B | ? | 0100111 |
| 01110 | C | : | 1011100 |
| 10010 | D | | 1100101 |
| 10000 | E | 3 | 0110101 |
| 10110 | F | | 1101100 |
| 01011 | G | | 1010110 |
| 00101 | H | | 1001011 |
| 01100 | I | 8 | 1011001 |
| 11010 | J | BELL | 1110100 |
| 11110 | K | (| 0111100 |
| 01001 | L |) | 1010011 |
| 00111 | M | . | 1001110 |
| 00110 | N | , | 1001101 |
| 00011 | O | 9 | 1000111 |
| 01101 | P | 0 | 1011010 |
| 11101 | Q | 1 | 0111010 |
| 01010 | R | 4 | 1010101 |
| 10100 | S | ' | 1101001 |
| 00001 | T | 5 | 0010111 |
| 11100 | U | 7 | 0111001 |
| 01111 | V | - | 0011110 |
| 11001 | W | 2 | 1110010 |
| 10111 | X | / | 0101110 |
| 10101 | Y | 6 | 1101010 |
| 10001 | Z | + | 1100011 |
| 00010 | Carriage Return | | 0001111 |
| 01000 | Line Feed | | 0011011 |
| 11111 | Letters | | 0101101 |
| 11011 | Figures | | 0110110 |
| 00100 | Space | | 0011101 |
| 00000 | | | 0101011 |
| | RQ(Rpt) | | 0110011 |
| | Beta(Idle) | | 1100110 |
| | Alpha | | 1111000 |
| | Control 1 | | 1010011 |
| | Control 2 | | 0101011 |
| | Control 3 | | 1001101 |

Table 1 - Conversion between Murray Code and AMTOR Code. The codes are transmitted left to right. And 1 represents the higher frequency of the FSK signal.

In a Teleprinter system there are 32 recognizable characters, normally transmitted by the 32 combinations of 5 data bits. If 5 data bits are used, any bit error will transform one character into another, and the error will pass undetected.

In AMTOR, 7 data bits are used, giving 128 combinations, of which only 32 are defined as "recognizable". Careful choice of which 32 are used minimizes the possibility of an undetected error. One would not, for example, have chosen two codes that only differed by two bits.-----to be continued-----

BY HARRY, AE6M

From the excitement going around the club it seems that nearly everyone is looking forward to the Hamvention!! Hope you didn't forget to send your registration in, as the club would like as much up-front money as possible in order to buy extra prizes. This issue is being mailed by WA6DXP, Joe to help out as our regular mailman is on vacation, no doubt resting up for the weekend of Oct.3,4 & 5th. Thanks Joe. This issue carries a very promising report from the repeater committee, be sure and read it. Still looking forward to some assistance with the paper, we have had one or two approach me, and I thank them, but the job takes a little more then they can give at this time. Also look for the article from the Red Cross in Palo Alto, seems that they have their act together! as well as the Los Gatos Chapter....and what about San Jose?-forget it we are going to pull out all of our radio gear and antennas ASAP. So all we will look forward to seeing you at the PACIFICON '86, be sure and take a few dollars with you as some of the exhibits will be sure to have good deals for the convention support them, and tell them we appreciate their faith in our club/ your club. 73..... Dick Letrich

Santa Clara County Amateur Radio Assoc.
cordially invites you to attend



PACIFICON '86

The ARRL Pacific Division

Convention October 3-5, 1986

to be held at LE BARON HOTEL

1350 North First Street • San Jose, California

- * Exhibits • Tech Forums • DX Forum • YL Program • Spouse Programs
- * Special Interest Breakfasts • Banquet • Special Speakers
- * License Exams • Wouff Hong Ceremony • Tour of Stanford Linear Accelerator • Awards

Talk-in on W6UU, 146.985/385

Special convention room rates at Le Baron Hotel
\$50.00 per night — Single or Double!
Contact Le Baron Hotel directly for reservations — Tel (408) 288-9200
(Be sure to mention the convention to get the special rate)

SPECIAL EARLY REGISTRATION INCENTIVES

Register before September 20th and deduct \$3.00 from the regular registration fee of \$15.00!

Pre-register thru July & get 3 pre-reg. award chances!

Pre-register in August & get 2 pre-reg. award chances!

Pre-register Sept. 1-20th & get 1 pre-reg. award chance!

Pre-registration prize — IC-751A. Grand prize — TS-940S.

You can use the coupon below to pre-register. Simply fill it out and mail it with your remittance to SCCARA.

Admission free (with no award chances) to 18 yr. olds and under who are licensed or children of licensees. Enclosed is my check/money order (made payable to SCCARA) to cover registration for Pacificon '86 as follows:

| EVENT | AMOUNT | MYSELF | SPOUSE | TOTAL AMOUNT |
|---|----------|--------|--------|--------------|
| Convention (\$15.00 after Sept. 20th) | \$12.00 | | | \$ |
| Banquet | \$20.00 | | | \$ |
| SLAC Tour Oct. 3 at 10 a.m. | \$8.00 | | | \$ |
| Winchester Mystery House Tour Oct. 4 at 10 a.m. | \$14.00 | | | \$ |
| Wouff Hong | (No Fee) | | | (No Fee) |
| Grand Total | | | | \$ |

Name/Call _____ Mail to: **SCCARA, Dept. COMM**
 Spouse (if reg.) _____
 Address _____
 City _____
 State/Zip _____ **San Jose, CA 95103**

PRESIDENT.....Ed Rawlinson, WD6CHD / 264-2988
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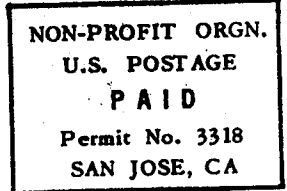
CLUB REPEATER....Input 146.985 MHZ=Output 146.385 MHZ. On-the-air meeting Monday Nights 7:30PM Local time except on regular meeting nights.

REGULAR MEETINGS, are held the second Monday of each month. Meetings start at 7:30PM Local and are held at the COUNTY SERVICE CENTER 1555 BERGER DRIVE, BLDG. #2, San Jose. Visitors are always welcome.

Permission to reprint articles is hereby granted provided source is credited.

SCCARA-GRAM is published monthly by the Santa Clara County Amateur Radio Association.

SANTA CLARA COUNTY
AMATEUR RADIO ASSOCIATION
AFFILIATE OF
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P.O. Box 6, San Jose, Ca 95103



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ED RAWLINSON
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SAN JOSE, CA. 95125