



HANK'S SWAP SHOP

Dave Willey KD6KWM PO Box 3514
Phone: 577-0558 Santa Rosa CA 95402
Noncommercial ham ads printed free. Please
call when item is sold. Ads run 2 months.

KENWOOD 450S w/tuner. new in box.
\$1100.00. K6UKB Joe 526-7731

KENWOOD TSA-20 digital readout remote
VFO W/all manuals & tech manuals. \$400.00.
KENWOOD TS-660 all mode quad bander for
21 24 28 & 50 MHz w/all manuals. \$400.00.
KENWOOD TR-9130 all mode 2 meter rig w/
manuals \$350.00. KA6AQS Mikey 795-7055

SANTEC 2METER HT \$50.00. **PWR SUPPLY**
12V \$15.00. **10-80 METER VERT.** \$25.00.
HEATHKIT FREQ METER. All bands? \$30.00.
MFJ TUNER for hf. Unknown model. \$30.00.
YASEU FT107M 250 watt transceiver, 160-10
meters \$200.00. KA6BYX James 546-3225.

MOSLEY 3 ELE 17 METER BEAM \$100.00.
CUSHCRAFT 3 ELE 15 M BEAM \$100.00.
CUSHCRAFT 4 ELE 12 METER BEAM \$75.00.
HYGAIN 4 ELE 10 METER BEAM \$50.00.
KB6GIV CURTIS (209) 477-3279.

LEADING EDGE computer with dual 5-1/4
drives, upgraded to 640K. \$125.00. **WANT:**
ALL MODE TNC. KD6FON Bob 795-4024.

ICOM 251A all mode 2 mtr transcvr \$260.00.
P & H HF AMP w/(4) 811A's \$200.00.
ICOM 12AT 1.2 GHz HT \$330.00. KD6FYK
Steve 869-2257.

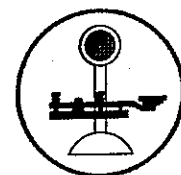
ICOM 751 HF xcvr, mic, manuals \$700.00.
REALISTIC PRO 200 scanner w/manuals
\$100.00. **HEATHKIT B5166** speaker \$5.00.
CUSHCRAFT R3 tuning antenna \$75.00.
BUTTERNUT VERTICAL antenna for 80/40
meters \$75.00. **SIMPSON 260 VOM** \$25.00.
NYE ANTENNA TUNER, 150 watts \$75.00.
HEATHKIT IM-28 VTVM \$25.00.
DRAKE TV1000LF filter \$20.00. W6DTV
Hank 823-7885.

(Continued on page 11)

DATED MATERIAL:
PLEASE DO NOT DELAY

ADDRESS CORRECTION REQUESTED

Sonoma County Radio Amateurs, Inc.
PO Box 116
Santa Rosa, CA 95402



SHORT SKIP



Sonoma County Radio Amateurs, Inc.

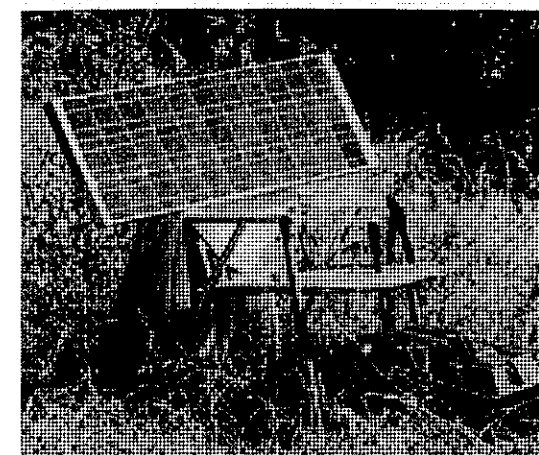
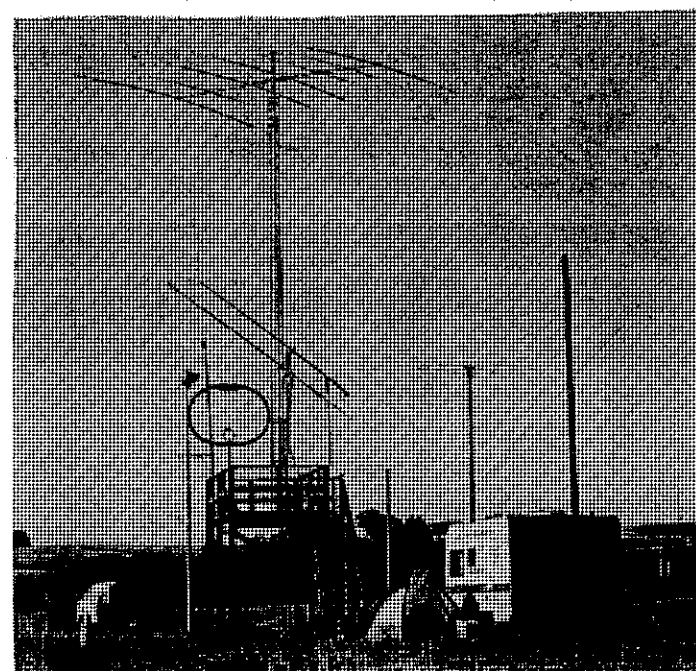
Club Station
AUGUST 1993 W6LFJ

P.O. Box 116
Santa Rosa, CA 95402

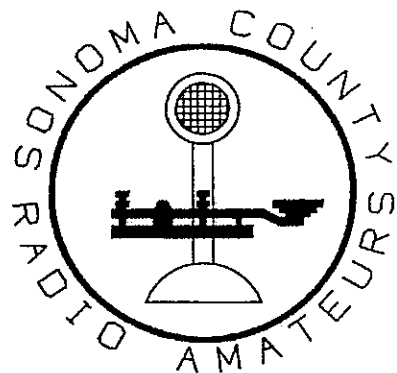
Repeater Station
WB6PVS VOL 18 #8

Field Day!

(Photos tnx Dave KD6KWM)



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ACTIVITIES CHR:	Merlyn Pfeiff	N6VUC	584-3898
REPEATER CHAIRMAN:	Jim Rutherford	WB6PER	526-2972
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1578 Los Alamos Rd, Santa Rosa, CA 95409 (d) 577-3981			
CIRCULATION MGR:	Adam McLaughlin	KD6POC	
SWAP SHOP:	Dave Willey	KD6KWM	577-0558
HAM NEWS:	R.L. Caron	KK6GP	

BBS EDITORS: Pete Sourek KC6UXM, and Allan Chapman W6MEO
AUDIO TAPING: John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Pat Malone KD6MAZ

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Doug Carter KC6RHA 528-9116
OSL Mgr: Bill Splaine N6GHG 431-8636
TVI/RFI: Al Bloom N1AL 538-7115
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John KM6LI, Shep NH6ZY, N1AL
Awards: Steve Lund WA8LLY 823-4544
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WB6FRZ AB6OL N6OLD AA6RD
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Education: Steve Carniglia KK6VY 538-7658
N1AL WB6FRZ KC6RHA KK6VY
WB6TMY K6XZ K6ZWB KC7VS
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Greeter at Meetings: Shelly Sourek KD6AFZ
Raffle at meetings: Adam McLaughlin KD6POC
Membership lottery: Jim Andrews KC6PJW
Field Day: Merl N6VUC and Steve KK6VY
RACES RO: Jim Pelmulder N6PTM 823-7947
ARRL Liaison: Alan Bloom N1AL 538-7115
Badge Chair: Fred Leoni N6YEU 431-8202

Repeater Control Op's:

WB6PER Jim 526-2972 N6PTM Jim 823-7947
WD6CKP Hoppy 542-6750 N6VUC Merl 584-3898

SHORT SKIP ADVERTISING RATES:

Business cards: \$10

\$11 First 1/4 Column
\$3 Additional 1/4 Columns
(\$32 Full Page, 1 side)

Pre-printed inserts: \$32/sheet

Guaranteed circulation: 200/month
AD DEADLINE: 10th of previous month

Club Meetings:

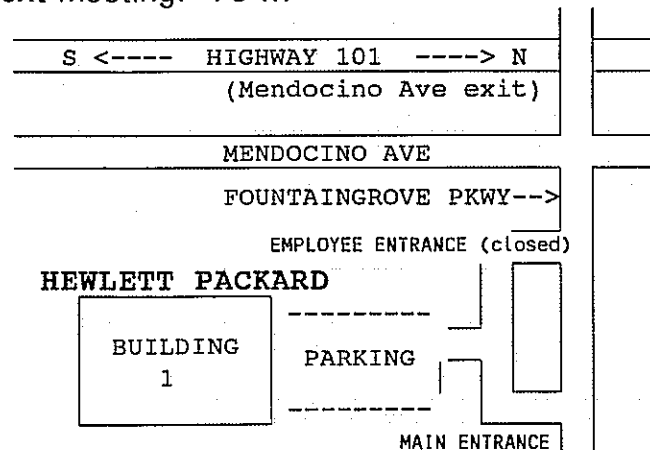
7:30 PM, 1st Wednesday each month at the
Hewlett Packard plant in Santa Rosa. (See
map below.) All are welcome.

Next Meeting: August 4, 1993

ARE YOU NOT AN SCRA MEMBER?

If so, then this is a complimentary copy.
Our club is involved with almost every area of
Amateur Radio: Repeaters (13/73), Field Day,
license classes (Novice through Extra),
volunteer exams, RACES, DX programs,
packet radio, hidden xmtr hunts -- you name it.

We invite you to attend our next monthly
meeting (see below) or check into the Tuesday
night SCARS net on the 146.13/73 repeater at
7PM. You will hear the latest Amateur Radio
Newsline broadcasts, announcements of SCRA
activities and a Swap Shop. Membership in
SCRA is open to anyone interested in Amateur
Radio. If you would like to join, there is a
membership application on page 11. Hope we
can have an "eyeball" QSO with you at the
next meeting! 73 ...



Hank's Swap Shop (Continued)

WANT: TOWER - Will consider any type.
KD6WIS Jim 584-3423.

WANT: EXTERNAL VFO for Kenwood 830S.
WANT: IAMBIC PADDLES & KEYS.
KD6WKT/AE David 538-7363.

KENWOOD TS430S transceiver (1 KHz - 30
MHz), PS-430 supply, narrow filter, FM
board, microphone, mint condition \$725.00.
MIRAGE B23A 2 meter amplifier/preamplifier
(.1 to 4 watts in, 28 watts out) \$85.00.
MFJ 812 VHF SWR/wattmeter (2mtr) \$12.00.
MFJ 817 deluxe SWR/wattmeter, (2M/440
MHz), dual needles \$45.00. BRASS KEYS
heavy duty w/ball bearing pivots (have
several) \$15.00. PYRAMID PHASE III PS-12
supply (13.8 VDC @ 12 AMPS) \$45.00.
LAFAYETTE TE-23 sine/square wave generator
(5 Hz - 1 MHz) \$15.00. WANT: A DONATION
of unused (not fancy but working) cassette
recorders for copying tapes of *Short Skip* for
the blind. Need 6 units to be connected in
parallel. WB6FRZ John 838-6398.

HEATHKIT SB200 HF amplifier \$300.00.
HALLICRAFTERS SR 160 transceiver. Good
for rag chews on 80 & 40 meters. \$100.00.
WB6TMY Tracy 527-8124.

Application for Membership in SCRA

Name _____ Callsign _____ Lic. Class _____
Addr. _____ Phone Nr _____ () New Mbr
_____ ZIP _____ Date _____ () Renewal

Dues: \$12/year, \$18/year family. New members also pay a \$6/person initiation fee. Dues for
new members *only* are pro-rated \$1 (\$1.50 family) per month, starting at renewal time, March 1.

I WOULD LIKE TO PARTICIPATE IN:

- () Public Service Events
() RACES or ARES Emergency services
() Field day, other operating events
() Helping with SCRA Flea Market
() Acting as club Net Control Station
() Helping with *Short Skip* newsletter
() Taking a Novice class
() Teaching a Novice class
() Taking an upgrade class
() Teaching an upgrade class
() Other _____

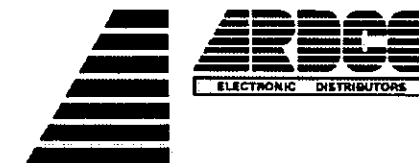
OPERATOR'S DESK w/2 shelves. Minor repair
req'd - about two years old. \$25.00. John
528-1230.

Jim Pelmulder (707) 823-7947
N6PTM

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STEVE BASHAM
Manager

Badge (New Members only)

Fill in this section exactly as you
want it to appear on your badge.

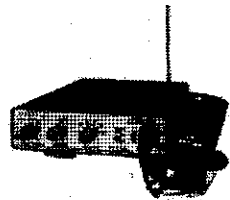
Callsign _____
First Name _____
City _____

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RAMSEY KITS:

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- 2 Meter 30 Watt Amplifier
- All-mode HF receivers
- QRP CW Transmitters
- Etc...



ARRL BOOKS:

- ARRL Handbook
- License Manuals
- Antenna Books
- Etc...



POPULAR BRANDS:

- MFJ
- Ameco
- Larsen
- Antenna Specialists
- Sangean
- Etc...

NECESSITIES:

- Code keys
- Wire Antennas
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KS6W

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Field Day Results



Here are the point totals, as submitted to ARRL:

	CW	NOVICE	PHONE
80M	48	8	81
40M	241	64	305
20M	271	-	204
15M	81	28	3
2M			19
Packet	1		
Satellite			13
	642	100	625
(CW total)	742		
	x2		x1
	1484		625

Total: 2109
Power multiplier x2

4218

Bonus points: 1400

Total score: 5618

Assuming all the bonus points come through, this would be slightly less than last year's score of 5824, which placed us 23rd out of 94 in category 5A.

Thanks to the operators and loggers: **CW:** N1AL, WA2EWE, WB6FRZ, AA6UY, KD6VBV, KK6VY, AA6YX. **Phone:** N1AL, N1KTH, KN6JF, KN6JQ, N6PTM, KC6QFK, AB6RL, W6TLK, KD6VBV, N6VUC, KK6VY, AA6YX, K6ZWB. **Novice:** KD6GCD, N6IY, KD6LRY, WB6MQW, KD6POC, KC6RHA, KC6RWP, W. Strickland, S.L. Georgetown. **Satellite/etc:** KC6PJW, KD6OKH, WA6NHC, KD6TXH, KD6POC, KD6TXH, KD6TXE, WB6FRZ.

RENEW YOUR ARRL MEMBERSHIP THROUGH THE CLUB AND THE CLUB GETS TO KEEP \$2 (no expense to you). Make out your check to SCRA, and send it with your ARRL renewal form to SCRA, PO Box 116, Santa Rosa, CA 95402 or give it to the Treasurer.

Cross Charging Batteries

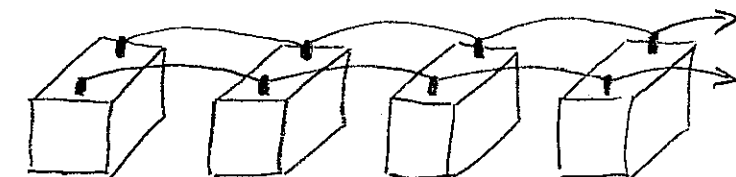
by Glen Minyard

When batteries are combined together in a bank, they are often connected in parallel in order to provide increased amp-hour capacity. To insure that the bank will have both a maximized amp-hour capacity and life span, the interconnections must be configured using a technique called *cross charging*.

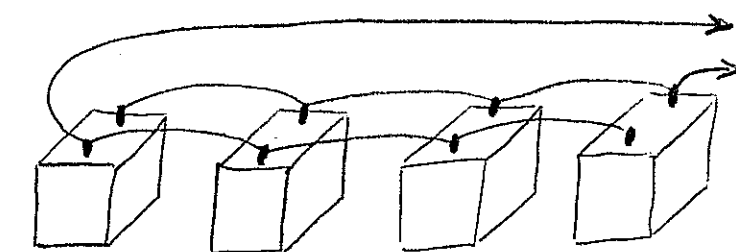
Cross charging is a wiring scheme that insures that each battery in a power system will have the same voltage. This is accomplished by providing an equal number of interconnections between all parallel-connected batteries and the load.

If this sounds even a bit mysterious, please refer to the two examples below. In example #1, you can see that the batteries closest to the main connections will be charged and discharged more than those further down the line. The batteries at the opposite end of the system can become sulfated, which greatly reduces their service life. Cross charging as shown in example #2 effectively combines the individual batteries into a single power unit, thereby maximizing both power efficiency and battery life.

Tnx N6ONZ. Source unknown.



WRONG!



CORRECT!



SCRAPS: SCRA Public Service

By Kathy Mahan KC6UXJ

Early Saturday morning on June 19th, 50 cyclists left Willowside School for a 200 mile ride known as the **Terrible Two**. It was the job of the 13 radio operators who volunteered for communications to know where every cyclist was for the next 12 hours and we didn't lose a one! Thanks go to Hoppy WD6CKP, Don W6CPE, Nadine KC6WUI, Phil N600A, Bill N6GHG, Gary KD6BOF, Dave KD6KWM, Doug KC6RHA, Kathy KC6UXJ, Wilbur N6MGY, Rick KC6UXI, Ross KD6VBV and R.L. KK6GP for a job well done.

Wilbur rode the entire course (in his car) and chalked up 13 hours on the road. R.L. KK6GP was also there from start to finish along with Dave KD6KWM and Doug KC6RHA who were in 3rd place for 12 and 11 hours respectively. Our thanks to Bill Oetinger, the Terrible Two Coordinator for the Santa Rosa Cycling Club. Bill has the TT down to a science which really helps make our job much easier. Bill, by the way, is fascinated with our call signs and knows them all by heart within the first few hours. Last year we felt it was only appropriate to unofficially assign him a call. Thus, he is affectionately known to us as N6BILL!

Public Service was quiet for a few weeks giving everyone a chance to recharge and then on Sunday, July 11th, the **Sonoma Valley Liberty Ride and Wine Festival** took place. This event is always great fun. All of the volunteers are great to work with, the bike riders really enjoy themselves and the scenery is wonderful. Eran, KD6KVO did an extremely nice job of coordinating this event and many thanks go to all of the HAMS who contributed their time and experience: Darrel WD6BOR, Randy AA6GV, Claude AB6OL all did an excellent job as Net Control Stations throughout the day. Also Matthew KD6KVH, Dave KD6BYV, Candy N6NSG, Dale N6MRV, Steve KD6KVY, Peter AA6AV, Nadine KC6WUI, Jan WA6MGK, Jeff KC6ZXX, Dave KD6KWM, John W6TWQ, Chuck KD6CIQ, Mike KC6YUV, Martha KD6KVX, Ed AB6QL,

Bruce KB6ZA, Ritch KD6YOJ, Kermit W6JFN. All these new callsigns are great! Thanks again for supporting Public Service Events!

As of this date there are no Public Service events for August. The next events are:

Sept 19 March of Dimes Walkathon
Sept 19 Clos Classic
Sept 25/26 MS Waves to Wine

If you are interested in working any of these events please call Kathy KC6UXJ at 823-4980 evenings or 433-2758 days. Volunteering for public service helps us all gain experience for RACES, ARES and just good radio practices in general.

GIVE YOURSELVES A HAND! From March 28, 1993 to June 19, 1993, public service volunteers have worked 9 events for a total of 546 hours or 22.75 days or 32,760 minutes.

SAVE THIS DATE! September 11th will be the 2nd annual *Public Service Appreciation Family Picnic*. If you have volunteered your time and worked any public service event in the past 6 months, then you and your family are cordially invited. The picnic this year will be held at Doyle Park from noon to 5 PM. Lunch will be provided between 2:00 - 3:00 PM and Pete, KC6UXM will most definitely tease our tastebuds with one of his special barbecue treats. Please bring: Your own beverages and one munchie to share! Please RSVP: Kathy KC6UXJ at 823-4980. Leave your name, callsign and the number attending at the beep or call Doug KC6RHA 528-9116. Hope to see you all there....!

I believe that covers it all for this month. Have a safe summer!

Law Offices of
CHARLES J. TARR AND ASSOCIATES
WA6VAG

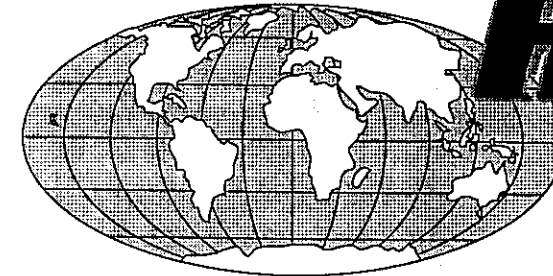
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(800) 854-6046
Tom, KB6LUC, Mgr.
Lawrence Expwy.
So. from Hwy. 101

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(602) 242-3515
(800) 444-9476
Gary, W6TSLY, Mgr.
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105 db dynamic range, 100 Mems.
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mem. unit
UHF RX

TH-48A

440/1.5W DTSS
240 Mem. w/optional
mem. unit
2 MTR RX

TH-225A

2 MTRS/5W

TH-315A

220MHz/2.5 W

**CALL
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12V 100W w/auto Ant. Tuner
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DDS, QSK, Passband tuning

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SCRA MINUTES

July 7, 1993



The meeting was called to order by President Rick Reiner K6ZWB at 7:34 PM. Other officers present were Vice President Pete Sourek KC6UXM, Secretary Al Bloom N1AL, and Treasurer Jim McLaughlin WA2EWE.

VISITORS: There were 5 visitors this evening.

UPGRADES: There were 6 upgrades and new calls.

The MINUTES and TREASURER'S REPORT were approved as published. m/s KD6PKF/WB6TMY, N6PTM/KB6PTA

This month's Treasurer's Report shows \$4434.42 in the General Fund and \$846.05 in the Repeater Fund.

FIELD DAY: Thanks to the Coast Guard for the use of their facility and to the Army Guard and Bodega Volunteer FD for the loan of the tables and chairs. Thanks to Hoppy WD6CKP, the generator ran great! Al N1AL reports our score was about the same as last year.

This year, we earned all bonus points except publicity, thanks to Jim KC6PJW and his helpers. This was Jim's very first try for satellite QSOs!

Jim N6PTM complimented everyone who loaned equipment to the effort. Merl N6VUC worked very hard as FD Chairman and did an outstanding job -- we had an extremely well-organized event. Unfortunately, almost everybody vanished at 11 AM Sunday -- we didn't have much help for takedown.

REPEATER: N6PTM notes that with summer tropospheric propagation, we have been hearing DX users on the machine lately. When it gets obnoxious, we'll put the repeater in P/L. Also: when accessing the autopatch, just give your call. There is no need to say the word "autopatch."

PUBLIC SERVICE: Bill N6GHG noted the upcoming Healdsburg 100k bike ride July 24. Doug KC6RHA discussed the Vineman Triathlon.

New SWAP SHOP Editor Dave KD6KWM passed around submission forms.

EDUCATION: KK6VY plans to get some classes started soon. Steve passed around sign-up sheets. Rick K6ZWB asked who would be interested in a Basic Antennas or Construction class.

The FLEA MARKET is coming up soon. Rick will start taking volunteer sign-ups next month.

A SHORT SKIP CIRCULATION MANAGER will be needed starting this fall, when Adam KD6POC must resign to concentrate on homework. [During the break, June KD6LSU graciously volunteered to take on this task.]

The PROGRAM was an informative talk by our ARRL Director, Charles P. McConnell W6DPD. The talk covered current events in Amateur Radio and the ARRL. A videotape on ARRL Headquarters described its operation.

LOTTERY tickets were drawn until we had a winner present. The following would have gone home \$31 richer had they come to the meeting: N6RMW, WA6ACX, KD6BQO, KD6GCH, KC6NEO, K6UKB, KB6GBV, KD6MFC, N6GTF, KB6VBL, KC6AVN, KB6FHT, and WD6DXW. (Whew!) Finally, new member Mike KD6PKF was the lucky winner.

RAFFLE Chairman Adam KD6POC raffled off prizes donated by Ardco, HSC, ARRL and N1AL.

PROJECT MOONRAY was discussed by W6OLO. Contact Nick if you have any questions about it.

The BOARD MEETING, as always, is next Wednesday at 5:30 PM at the NorthBay S&L meeting room. All members invited.

The meeting adjourned at 9:51. m/s KD6CJQ/N6PLQ

Respectfully submitted by Secretary Al Bloom N1AL.

Board Meeting Minutes

June 9, 1993

The meeting was called to order at 5:52 PM in the Northbay Savings meeting room by Secretary Al Bloom N1AL. The only other board member present was Member-at-Large Kelly Cureton KD6CJQ. President Rick Reiner K6ZWB arrived later. Members Jim Pelmulder N6PTM, Joe Senft KM6TN, Shep Jenks NH6ZY, Dave Willey KD6KWM, and Hoppy Bravin WD6CKP also attended. As a quorum was not available, no votes were taken.

FIELD DAY: N1AL brought along the FD submission. N6PTM suggests we should start soliciting leaders for next year's Field Day. He notes that the old Radiomen's School is to be converted to a commissary. There are two other sites available on the CG base.

The club needs a PUBLICITY CHAIRMAN. N1AL has lots of publicity information from the ARRL.

SPECIAL BENEFITS TO SPECIAL SERVICE CLUBS are being investigated by an ARRL committee. They are looking for ideas from the field.

MORSE CODE PRACTICE on the air would be very beneficial to those trying to upgrade from no-code Technician. Dave KD6KWM will try to get something organized.

The FLEA MARKET is not too far away. K6ZWB plans to have bigger spaces for sellers this year. Cut-rate prices on multiple raffle tickets might take in some extra bucks. We need to investigate a better outdoor speaker for the PA system.

The meeting adjourned at 6:54 PM. m/s N1AL/K6ZWB

Respectfully submitted by Al Bloom, Secretary.

SCRA's Beginnings

Hank Davis W6DTV

Going through some old boxes, more information on the beginning of SCRA was found. In 1939, a group of interested Amateurs organized the Sonoma County Radio Amateurs. There were about 14 members that first year, and they split the year into two parts. The officers for the first part (February) were Floyd Barnes W6ADM, President and L. J. Wallace, Secretary/Treasurer. For the second half of the year (June), the officers were Frank Day W6SAT, President and L. J. Wallace again, Secretary/Treasurer.

Maybe you can remember hearing of the following members during conversations with old timers: B. B. Bachelder W6JPW, E. G. Lowry, Floyd Barnes W6ADM, Wm. S. Mann, Frank C. Day W6SAT, Paul McFarland W6EDA, Geo. Holman W6CKL, Gordon Meade, Phil Kohn, Robert Schieffen, Wm. G. Levendale W6HSQ, E. H. Levight, L. J. Wallace and Geo. Snelson K6RCR.

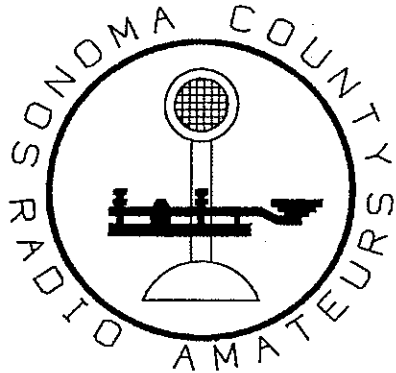
In 1940, the club had enlarged to 19 members, with L. J. Wallace as President. He was not licensed but very interested in Amateur Radio.

SCRA affiliated with the ARRL in 1939. The original certificate was found in a box of stored papers and is on display at the County EOC. The club has maintained this affiliation since 1939, some 54 years ago.

There was about an 8-year break in the history of SCRA between 1941 and 1949, with no recorded activity. World War II took out Amateur Radio and the recovery was slow.

Short Skip Editors

Wayne Light W6RIA	1976
Bob Wolbert WA6HPF	1977
Ron Pipes WB6NBR	1977-1979
Lyle Meek N6BLN-WW6F	1979-1980
Hank Davis W6DTV	1980-1984
Al Bloom N1AL	1985-present
Betty Bravin AG6C	?



SCRA Presidents by the Year

1939	Floyd Barnes W6ADM
	Frank Day W6SAT
1940	L. J. Wallace
1949	Don Christensen W6DZM
1950	Henry Davis W6DTV
1951	Ken Christensen W6LCZ
1952	Wilson Emery W6EBI
1953	Fred Plante W6LOU
1954	Don Neilsen W6MHO
1955	Robert Baese W6OTW
1956	Don Christensen W6DZM
1957	Blair Mitchell K6CPY
1958	Stan Andrews W6GWQ
1959	Robert Nichols K6MIE
1960	Vern Spellman K6CNJ
1961	Edward Sears K6QQI
1962	Vern Miller K6ROP
1963	Vincent Vaccaeo K6LRS
1964	Earl Miller, WA6SFB
1965	John Pearson
1966	(No records)
1967	Ira Barton WA6ARE
1968	Rick Reiner K6ZWB
1969	Eldo Scott WB6ZVA
1970	Bud Lockwood WA6UCP
1971	John Deeds K6KVV
1972	Alan Biocca WB6ZQZ
1973	Loren Eggleston WB6KDF
1974	Sam Brewer WB6QCR-WN6W
1975	Rose Siemer WA6CWL
1976	Bob Sones WB6EKV
1977	Paul Hansen WB6KXL-AE6H
1978	Ray Bowers WA6JNY
1979	Don Bremer KB6LO
1980	Don Bremer KB6LO
1981	Len Gerald K6ANP
1981	Len Gerald K6ANP
1983	Alan Bloom N1AL
1984	Jim Tomer W6CYM
1985	Chuck Sabin N6DDK
1986	George Shedore KS6W
1987	Connie Freitas N6FYV
1988	Russ O'Neill N6KMJ
1989	Glen Crownover N6DNB
1990	John Wallack W6TLK
1991	Jim Pelmulder N6PTM
1992	Merl Pfeiff N6VUC
1993	Rick Reiner K6ZWB

New Members & Corrections



Since last month

PAUL E HEATER
5540 EL ENCANTO DR
SANTA ROSA, CA 95409
539-8525

W P CAMPBELL KB6SOU
2167 RIVERA DR
SANTA ROSA, CA 95409
539-8480

ED CURETON KD6CJQ
8551 CURRY CT
WINDSOR, CA 95492
837-9434

LARRY GUSTAFSON KD6VUM
549 IRWIN LN
SANTA ROSA, CA 95403
523-0266

BOB BENDT K6EAN
4409 VALHALLA BLVD #9
SIOUX FALLS, SD 57106

DOROTHY KNOPE KD6VUN
16 COCHRANE WAY
PETALUMA, CA 94952
762-3236

JOHN MERCER KD6GCM
259 VISTA VIEW DR
CLOVERDALE, CA 95425
894-4771

HEIDI GUSTAFSON KD6VUL
549 IRWIN LN
SANTA ROSA, CA 95403
523-0266

JAMES CURETON KD6GSF
8551 CURRY CT
WINDSOR, CA 95492
837-9434

JIM HUDSON KD6WIS
1435 KEISER AVE
SANTA ROSA, CA 95404
584-3423

MARGO LOOMIS KD6SAS
1529 RAINIER AVE
PETALUMA, CA 94954
762-4879

DAVID VAN NUYS KD6WKT
6189 SAN BRUNO CT
ROHNERT PARK CA 94928
585-7363

We now have 269 members. ■

The Purpose of Amateur Radio

The late Arthur A. Collins W9CXX was one of the most brilliant and accomplished amateurs ever to go on the air. At age 16 he wrote this paragraph which pretty well foretold his lifetime philosophy:

"The real thrill in amateur work comes not from talking to stations in distant lands, not from receiving multitudes of QSL cards from all the world, although these are things to stir your imagination, but from knowing that by careful and painstaking work and by diligent and systematic study you have been able to accomplish some feat or establish some fact that is a new step toward more perfect communication." Tnx Allan W6MEO ■

Packet "Ouch"

by Allan Chapman W6MEO

Here are some quotes from "The Digital Bus" column on pages 49-50 of the September 1990 issue of *Worldradio* magazine. This is a regular column by W0LHS, a senior BBS Sysop/Owner in Fargo, ND.


"Operating a 2M packet BBS ... is boring, tiresome and, for the most part, useless."

"We have a lousy system ... unreliable, slow, and without traffic management leadership."

"Unless things change, I rate the BBS system as a waste of time, watts and technology."

"With the hierarchical forwarding system, things went to pot... it would have been much simpler with zip code routing."

One really should read the *entire* article, which goes into great detail, with examples, about problems inherent in the forwarding "system."



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PROJECT MOONRAY (by W6OLO)

In only 6 years and 8 months we will be entering the 21st Century. Now is the time to start thinking about formulating some interesting future plans for the continuation of Amateur Radio in Space projects. During our last few annual meetings at Project OSCAR headquarters, we have elected to revive Project MOONRAY as a possible original concept that might become a stepping-stone for more exotic projects throughout the 21st Century. These might even include additional Lunar Experiments, Space-Station, Mars, Venus, Jupiter, Asteroid and Deep-Space Probe Amateur Packages.

Some of us (I include myself, now pushing 79) may not live to see Project MOONRAY materialize, however we would like to leave Radio Amateurs world-wide with a legacy we started when we originated Project OSCAR in 1960.

I dreamed-up the idea of putting an Amateur Repeater on the moon in 1965 during the APOLLO manned lunar exploration program when I met with Owen Garriott, W5LFL, astronaut in training, scheduled to go to the moon on forthcoming APOLLO 18, or 19 or 20. I used Project MOONRAY, short for moon relay as an identifier of this concept. The idea was to build a package that was to fit under the seat of the Lunar Rover vehicle. I had contacted NASA with this concept and they agreed to accept a package that would fit a space vacated by the exchange of batteries when Fuel-cells would be installed in the Lunar Rover vehicle. Hopefully, Owen was to be the driver and would have been the astronaut to erect the MOONRAY package on one of Lunar Rover's excursions. We were to arrange a special connector that would mate with his space-suit headphone/microphone connector so that he could plug in to the MOONRAY package and make a few contacts with hams on earth. He would then leave the package and continue on his routine assignments. Numerous articles were published about Project MOONRAY and Amateur Radio enthusiasts world-wide were intrigued and very excited about the idea of having a repeater that could be accessed by hams world-wide as long as they had the moon on their side of the earth. Unfortunately, Congress cut off funding to NASA for any further lunar landings beyond APOLLO 17 and our MOONRAY project was temporarily shelved.

Lunar exploration, Lunar habitats or colonies and numerous Lunar projects have recently again surfaced. No specific dates or schedules have yet been set, however it is not too early to plan for Amateur participation in one (or more) future Moon visits as well as for other possible "out-of-this-world" concepts.

More information or questions about the status of this project may be obtained by writing to: PROJECT OSCAR, PO BOX 1136..LOS ALTOS, CA. 94203-1136.