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(Continued on page 9)

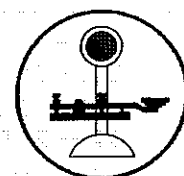
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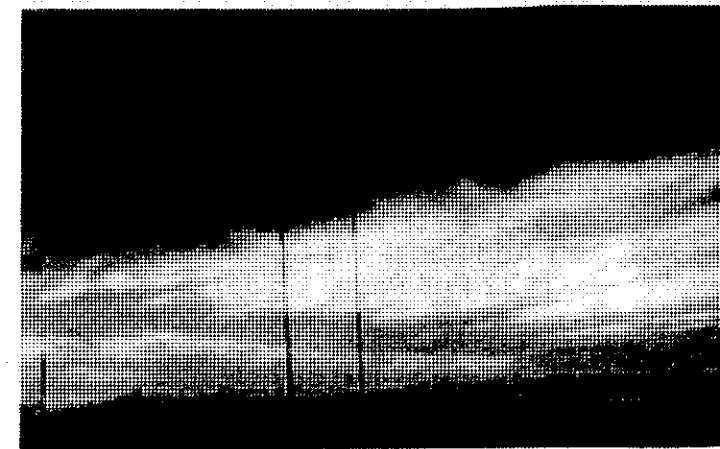
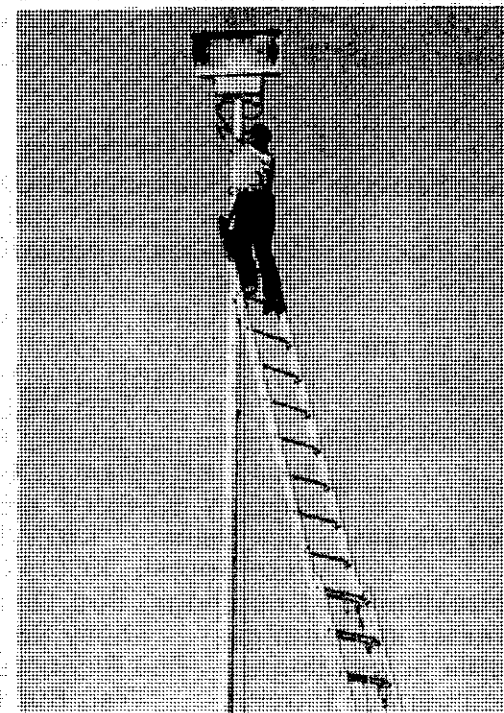
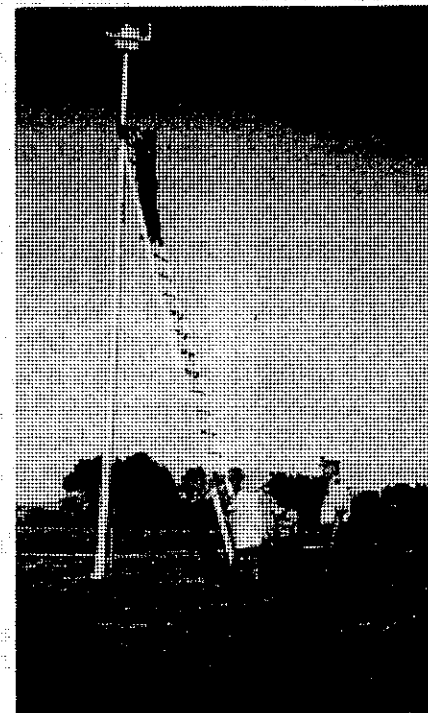
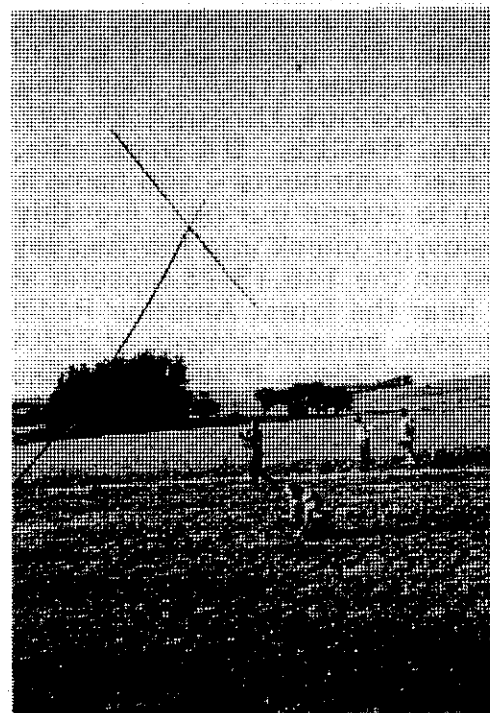
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AUGUST 1992 W6LFJ

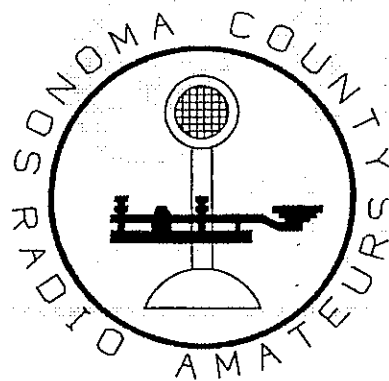
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Repeater Station
WB6PVS

VOL 17 #8

FD 1992!





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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. If you would like to join SCRA, please refer to the dues listed below. Hope we can have an "eyeball" QSO with you at the next meeting! 73 ...

Club Meetings:

7:30 PM, 1st Wednesday each month at the Hewlett Packard plant in Santa Rosa. Anyone interested in Amateur Radio is welcome.

Next Meeting: August 5, 1992

DUES: \$12 per year, plus a one-time \$4.00 initiation fee. Dues are pro-rated \$1/month for new members who get an SCRA call/name badge. Family memberships are \$18 per year.

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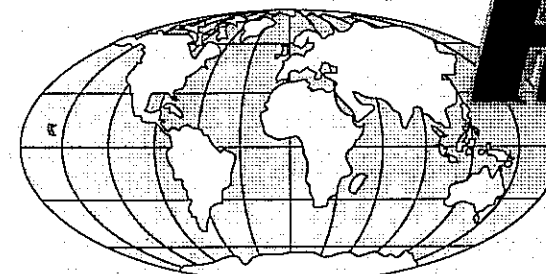
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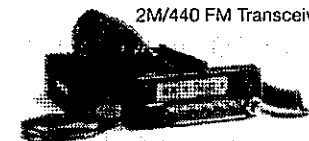
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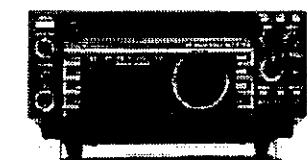
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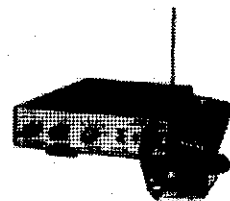
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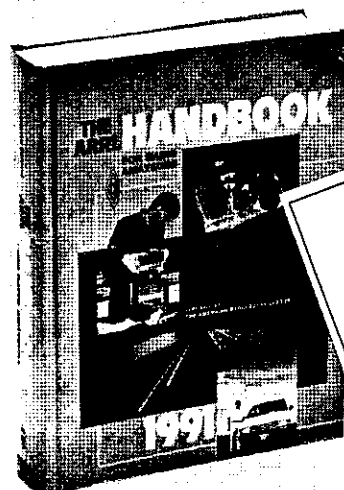
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ARRL BOOKS:

- ARRL Handbook
- License Manuals
- Antenna Books
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Fox Hunt!



There next transmitter hunt is August 15 from 9 AM until about 11. Starting point is the Piner High School parking lot, with the "fox" (W6DTV) hiding within about a 7-mile radius. The team with the lowest *miles* wins! The fox frequency will be 147.49 with the 145.19 repeater used as for info. Refreshments afterwards will be Dutch at some nearby eatery. More info at the August meeting. ■

SCRA Field Day Score

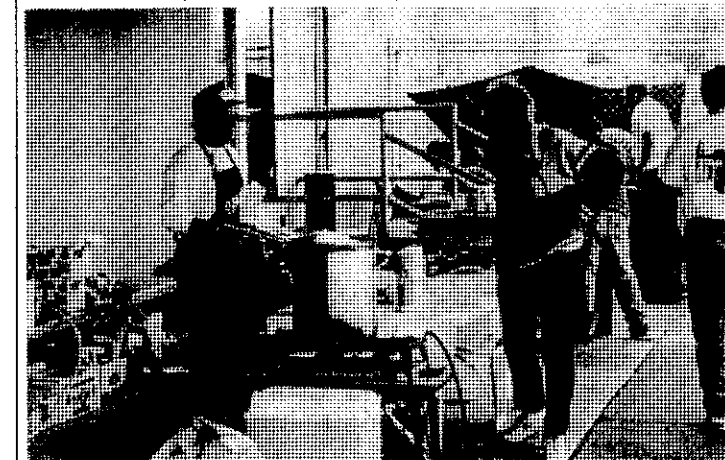
Here's the quick rundown:

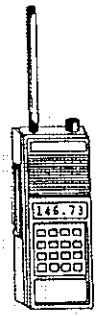
Band	CW	Phone
80	60	137
40	128	178
20	305	416
15	160	47
Other	25	
Novice	64	
	742	778
	x 2	
	1484	+ 778 = 2262
Power multiplier		x 2
		4524
Probable bonus points:		+ 1200
Probable Total score:		5724

For comparison, our score in 1991 was 4846, which put us 15th (out of 74 entries) in the 5A class. REDX scored 7776 that year. ■

Did You Lose a Tool Kit at Last Year's Field Day?

The title says it all. I have an "Automotive Tool Kit" in a black leather case from Field Day 1991. Identify it and it's yours. Alan Bloom N1AL 538-7115. ■





SCRAPS: SCRA Public Service

By Kathy Mahan KC6UXJ

Was the "Terrible Two" So Terrible?

The general consensus of everyone ... it was **HOT**, hard work, run, a challenge from a communications standpoint, but mostly a *real sense of pride* in all who participated in making this an extremely safe event.

Bill Oetinger, coordinator of the Terrible Two (who gave himself a callsign, "N6BILL," by the end of the evening) said it best in the July Santa Rosa Cycling Club newsletter: "Extra special thanks and admiration to the Sonoma County Radio Amateurs, whose technical wizardry and tireless efforts turn the far-flung course into one big party line."

SO, many thanks to: Merl N6VUC, Don W6CPE, Marie KI6QY, Rick N6RXA, Mark KC6RKZ, Jerry KD6HYC, Bob N6RMW, Rudy N6KLU, Doug KC6RHA, Bill N6GHG, and Rick KC6UXI. Also special thanks to Rick N6RXA, whose day began at about 5 AM and was supposed to end officially at 1 PM. Rick very kindly spent the rest of the day and evening monitoring all event frequencies and acted as a relay for the operators in case of blind spots.

Special thanks also to Greg Glavich WA6RQX for the use of the 145.47 repeater that helped our communications team from the Geysers to Skaggs Springs Rd/Annapolis Rd. And thanks to Dale WB6TMS for the use of 146.910 and the 145.170 link that brought us back from the coast. Both repeaters were invaluable to the success of the event. Thanks Everyone! (Terrible Two, June 20)

On a Lighter Side, on Sunday July 12, seven SCRAPS volunteers cheerfully provided communications for the Sonoma Valley Liberty Ride. (A first-time event for us and certainly not the last.) This was a 100K bike ride that began at the Sonoma Developmental Center in Eldridge. We had two new radio operators who had never done public service before but did a fantastic job for the first time out: Thanks to

Dave KD6KWM and Matthew KD6KVH. Sincere appreciation also to R. L. KK6GP, Candy N6NSG, Dale N6MRV, Dave KK6YZ and Kathy KC6UXJ. After the last rider was safe and sound the communications staff was invited to the Wine and Music Festival which followed. During the festival, the event coordinator for the Developmental Center presented SCRA with a framed certificate of appreciation for out support. Thanks to all you who volunteer for Public Service Events!

Upcoming Events:

If you would like further information or would like to volunteer, please call Kathy KC6UXJ at 433-2758 (days) or 823-4980 (eves).

Sept 12/13 MS Waves to Wine
Sept 27 American Diabetes Assn. Ride ■



Field Day in 1982 was held at Ragel Park in Sebastopol. The park was not nearly as "prettified" then as it is now. Don WA6ACX was Chairman, assisted by Gary WB6PMN. Chuck N6DDK cooked the food, with help from John W6CCY. 9 bands were used, including the solar-powered station. 38 people showed up.

This was the heyday of AG6C's YL-only ham classes. On June 17, the night class gave Betty a surprise Champagne party. On June 24, the day class took Betty to Oakmont for a surprise luncheon.

WA6ACX won the membership lottery at the July meeting. Since nobody had claimed it for almost a year, Don went home with \$95! ■

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. ■

No More Heathkits!

by Lawrence M. Fisher (Condensed from N.Y. Times News Service article.)

Before there were nerds, before there was a Silicon Valley, there were Heathkits, which let tens of thousands of ambitious amateurs and aspiring engineers build their own radios, televisions and other electronic equipment.

But this month, after 45 years in the business, the Heath Co. is closing out the last of its kits to concentrate on faster-selling home-improvement and educational materials.

Heath's kit sales have steadily declined since 1981, victims of reduced leisure time, declining prices that make it cheaper to buy than to build, and the seduction of technically-oriented consumers by personal computers. [And by Heath's rising prices and declining quality! - Ed.]

Heath's phasing out its kits "leaves the amateur, like me, no place to turn," said former Sen. Barry Goldwater, who used to fly to Heath's headquarters in Benton Harbor Mich twice a year in his private plane to buy kits.

Heath had a dozen or more competitors in its heyday, the mid-1960s, but it is the last large company to leave the kit business. Electronic do-it-yourselfers must now work from scratch, or from plans in magazines like Audio Amateur and Speaker Builder. [Or Ramsey, or Radiokit or several other kit companies. -Ed]

The kits were designed to be buildable by anyone with opposable thumbs. One did not need to know the difference between a resistor and a capacitor; only how to follow the step-by-step instructions and make a clean solder joint.

Nevertheless, Heathkits provided a hands-on introduction to electronics that could not be found in textbooks. By making the technology non-intimidating, Heath made it accessible to thousands of potential engineers.

Founded by a former barnstormer named Ed Heath, the company began in Chicago in 1926 by selling airplanes in kits. After Heath died in a crash on a test flight, a new investor, Howard Anthony, reorganized the company, moved it to Benton Harbor, and expanded into

the electronics business with a line of two-way aircraft radios. The first kit for an electronic product, a five-inch oscilloscope, was introduced late in 1947 for \$39.95.

Heath was an early player in the PC business, and it was its computer unit, Heath Data Systems, that prompted Zenith Electronics to acquire the company in 1979 for \$63 million. From that core grew Zenith Data Systems, now a unit of Groupe Bull of France, with annual revenues of \$1 billion.

But the PC revolution was in some ways a death blow to Heathkits because it siphoned off the most enthusiastic kit builders. The kinds of people who used to build stereo amplifier kits learned how to program and now spend their leisure time writing software. But Heathkit lovers say writing software is a cold, cerebral pursuit that will never match the allure of tubes, transistors and circuit boards.

"Every kid should try picking up a little soldering pencil, smelling the smoke in the room, and running a wire from point A to point B," said Gary Staton, an immigration investigator in Honolulu who has built nearly 200 Heathkits. "When you're done and it works, there's no competition from the assembly-line products. They don't compare in any way." Tnx Steve WA8LLY ■

HANK'S SWAP SHOP (From p12)

MFJ-986 1 kW antenna tuner. \$150.00.
John W6TLK 833-1873.

WILSON 1402SM HT, extra xtals, mike, BNC fitting (no ant). 2 units -- \$120 for both.
Steve KD6FYK 869-2257.

YAESU FT-DX560 HF 160/10 tube xcvr \$100.
HALLICRAFTERS S-108 BC/ham tube rx \$50.
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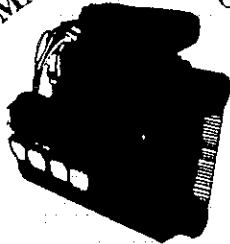
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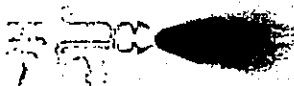
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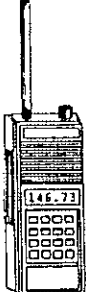
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RACES NEWS:
NEW NET
PROCEDURES

There have been some changes made
to the way the Monday night RACES
nets are run.

The local area nets still meet at 7 PM the first and third Mondays of each month on the frequencies in the table below. The difference is that the County-wide net now meets at 7:10 instead of 7:30. After each local net takes its check-ins, everybody goes over to the County net on 146.73 to hear any announcements that pertain to all areas. Only Area Coordinators should check into this net. After the '73 net is over (7:25 or so), everyone returns to their area nets for any announcements of local interest.

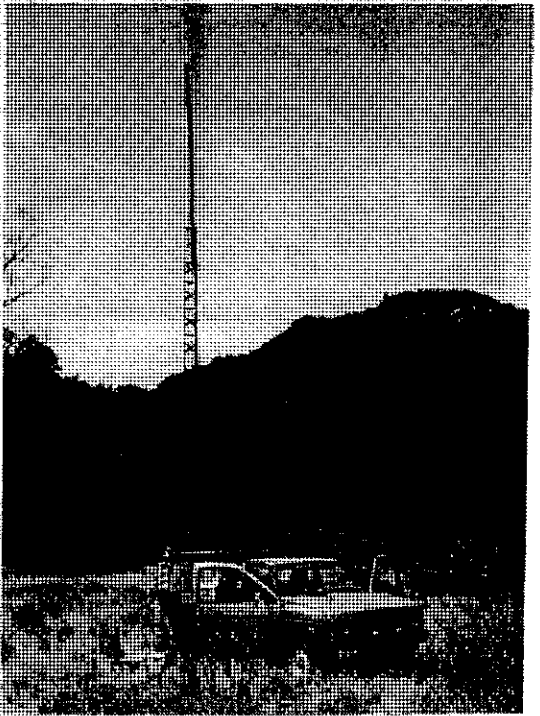
If you are not a RACES member, feel free to check into your local net to get more information on the program. If you're not sure which area you are in, just check into the County net on 146.73. The County RACES Radio Officer is Jim Pelmulder N6PTM.

AREA	COORDINATOR	FREQ
Santa Rosa	Bob WD6DPE	147.42
North County	David N6RIF	146.43
West County	John KK6XT	146.49
South County	Bob K6GEV	146.55
Rohnert Park/ Cotati	Mike N1DJE	147.12 +
Sonoma Valley	(None)	147.47
Russian River	Alan N6VUD	147.54
North Coast	Lee N6MIV	147.00-

"+" and "-" are repeater offsets; all other frequencies are simplex.



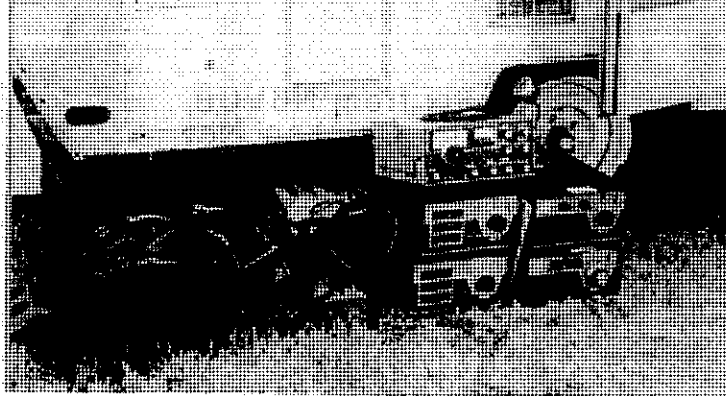
Pix from N6VUB,
the Chicken Net
Field Day. [Photos
tnx KD6KRW]



New Members, Renewals, Corrections since last month:

CALL	M-CLASS	NAME	STREET	CITY	ST	ZIP	PHONE	FAM
		SPONSOR	WILLIAM FREDSON	PO BOX 14282	SANTA ROSA	CA 95402-6282	526-1829	0
		SPONSOR	CARL MERNER	659 MONTCLAIR DR	SANTA ROSA	CA 95409	538-5091	0
WX3K	FULL	JOHN ZANTEK	4529 FAIRWAY DR	ROHNERT PARK	CA 94928		584-3881	0
KD6AEG	FULL	C.J. JOHANSSON	PO BOX 7671	SANTA ROSA	CA 95407		575-0701	0
NB6D	FULL	RAY DAVIS	4415 HAMPTON CT	ROHNERT PARK	CA 94928		584-7729	0
KD6GAG	FULL	SANDRA J MORITZ	4403 HEDGE COURT	ROHNERT PARK	CA 94928		584-3610	2
KD6GC	FULL	STEVE SCHAFER	2320 MARK WEST SPRINGS	SANTA ROSA	CA 95404		546-8860	0
KD6GCE	FULL	DAVID BLACKHAM	4525 BYRNE CT	SANTA ROSA	CA 95409			0
KK6GP	FULL	ROBERT CARON	20377 OSPREY DR	BODEGA BAY	CA 94923		875-2601	0
KJ6HY	FULL	BILL PATTERSON	2307 MAHER DR #5	SANTA ROSA	CA 95405		546-4787	0
KD6IJU	FULL	WILLIAM JAMES PALMER JR	PO BOX 692	PENNGROVE	CA 94951-0692		763-0965	0
KD6KRW	FULL	F. LORRAINE HASSETT	11151 CHERRY RIDGE RD	SEBASTOPOL	CA 95472		823-5980	0
KB6KUN	FULL	BILL OLDEN	8025 SONOMA HWY	SANTA ROSA	CA 95409		833-5929	0
KD6KVH	FULL	MATTHEW RAPAPORT	407 EASTMAN #12	PETALUMA	CA 94952		762-0329	0
KD6KVJ	FULL	NANCY A. ANDREWS	7249 ROXANNE LN	ROHNERT PARK	CA 94928		795-2163	2
KD6KVW	FULL	CLAUDE JONES	3612 BANYAN ST	SANTA ROSA	CA 95403		527-8593	0
KD6KXV	FULL	PETER TREGUBOFF	545 CATHERINE CT	SANTA ROSA	CA 95409		539-3909	0
N6MSG	FULL	CLYDE ANDERSON	534 PARQUET	SEBASTOPOL	CA 95472		823-4830	0
W6NGZ	FULL	JACK REEDER	986 SLATE DR	SANTA ROSA	CA 95405		538-0183	0
KC6PEY	FULL	C. RONALD SMITH	1411 DEER LANE	SEBASTOPOL	CA 95472		823-2228	0
N6QAV	FULL	JUD SPRUCE	867 FIRST ST.	SEBASTOPOL	CA 95472		829-3621	0
KC6RHB	FULL	WALTER BURANDT	9045 CHALK HILL RD	HEALDSBURG	CA 95448		838-7813	0
KM6TN	FULL	JOE H SENFT	510 WOODCHUCK CT	SANTA ROSA	CA 95401		578-5824	0
KC6TWF	FULL	ANN S CHANG	11840 PACIFIC AVE	LOS ANGELES	CA 90066		310-397 5888	2
AA6UY	FULL	REN BACULO	5599 INVERNESS AVE	SANTA ROSA	CA 95404		584-8320	0
N6VUD	FULL	ALAN JUDD	3080 A-14 MARLOW RD#175	SANTA ROSA	CA 95403			0
KC6VXU	FULL	CRISPIN VAN BUER	11840 PACIFIC AVE	LOS ANGELES	CA 90066		310-397 5888	2
K16VY	FULL	DARREL J VAN BUER	11840 PACIFIC AVE	LOS ANGELES	CA 90066		310-397 5888	1
KK6VY	FULL	STEVE CARNIGLIA	4711 ANNADEL HTS DR	SANTA ROSA	CA 95405		538-7658	1
KM6XO	FULL	JOHN SHAPPELL	6044 DONNA COURT	ROHNERT PARK	CA 94928		585-2549	0
N6YMQ	FULL	LOU SCHNEIDER	PO BOX 1192	NOVATO	CA 94948			0
KB6ZOL	FULL	MARK BURNELL	150 POPE COURT	SANTA ROSA	CA 95405		575-5332	1
KC6ZRT	FULL	MIKE MCDOWELL	3890 OLD REDWOOD HWY	SANTA ROSA	CA 95404		542-7655	0
K6ZWB	FULL	RICK REINER	150 STONY POINT RD	SANTA ROSA	CA 95401		542-6907	0

We now have 245 members. (Galen Read KD6HHT is now an Advanced with 20 wpm code credit.)



SCRA MINUTES

July 1, 1992



The meeting was called to order by President Merlyn Pfeiff N6VUC at 7:31 PM. Other officers present: Vice President Rick Reiner K6ZWB, Secretary Al Bloom N1AL, Treasurer John Gauger KK6XT, Activities Chairman Jim Pelmulder N6PTM, and Members-at-Large Bill Splaine N6GHG and Gary Gouger KC6WTE.

VISITORS: Pete KC6UXM filled in for Shelly by introducing 15 visitors.

Pete asked for ideas on a location for the next **BREAKFAST**. The consensus was to keep it at the Healdsburg Sizzler.

The **MINUTES** were approved as published in last month's *Short Skip*. m/s K9ASL/W6NGZ

The **TREASURER'S REPORT** for June was approved. m/s K6GSO/N6GHG. General Fund = \$4508.97, Repeater Fund = \$841.91.

PUBLIC SERVICE: Kathy KC6UXJ passed around info and sign up sheets. Upcoming events are the Sonoma Valley 100K run July 12, Harvest Century July 25 and Vineman Century Aug 1.

EDUCATION: John WB6FRZ announced that Tracy WB6TMY's Novice class starts July 9.

FIELD DAY dinner Saturday night had 80 people show up. Participants should write down any comments for next year. Media coverage included articles in the Press Democrat and Coast Guard paper. Gary KC6WTE had his 20 seconds of fame in the Channel 50 TV coverage of Field Day.

John WX3K reported that 55 students and instructors from the radio school attended. The questionnaires they filled out showed that they felt they learned a lot. Many want to get their ham licenses.

ARRL PACIFIC DIV. CLUB OF THE YEAR in the Large Club category is: SCRA! N6VUC read the letter of congratulations from our Director W6DPD. Merl will attend the Pacific Division

Convention to accept the plaque. **NET CONTROL STATION** for the 2 meter net will be W6CPE for July and Lou N6YMQ for August. Thanks Kelly KD6CJQ for carrying the net for two months. Bill KA6JLP reports 30 "DX" check-ins in the 10 meter net last night. Jim KC6PJW will take NCS for July.

The next **FOX HUNT** will be sponsored by the previous winners, N6PTM and W6DTV.

The **PROGRAM** was about the ARRL. Section Manager John Wallack W6TLK discussed how the League is organized and gave a slide show on Headquarters in Newington, CT. John Zantek WX3K, Assistant SM for Packet and Training gave an introduction to packet radio.

Respectfully submitted, Sec. Al Bloom N1AL

TREASURER'S REPORT



For month ending June 30, 1992

ACCOUNT	REVENUE	EXPENSE
Activities (Field Day)	426.00	1069.65
Refreshments at meetings ..	17.53	18.61
Raffle at meetings	57.50	
Dues and Initiations	104.00	
Badges		17.23
Short Skip Newsletter	91.52	45.00
Amateur Radio Newslne		5.75
	696.55	1156.24

ASSETS:

General Fund Account	4460.01
Cash/checks on hand	48.96
Total General Fund	4508.97
Total Repeater Fund	841.91

- de KK6XT