

# SHORT SKIP

Sonoma County Radio Amateurs, Inc.



Club Station

P.O. Box 116

Repeater Station

APRIL 1988

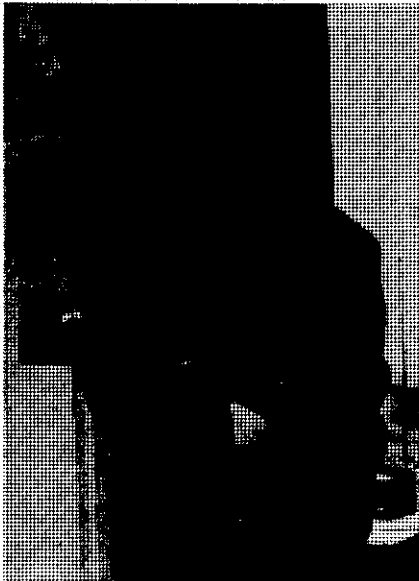
W6LFJ

Santa Rosa, CA 95402

WB6PVS

VOL 13 # 5

Photo thanks Bob N6RMW →



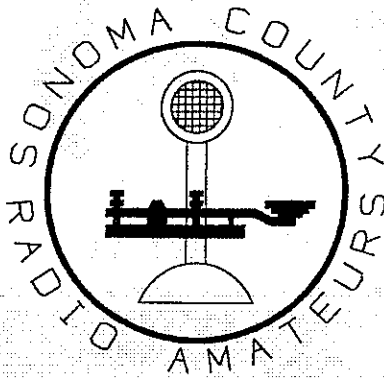
Jeremy KB6KUI with the winning entry in the Homebrew Contest



Brad KB6SQY and Jane N6NTB at the March of Dimes Walkathon



Homebrew Contest



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ACTIVITIES CHAIR:	Steve Schaffer	KD6GC	546-8860
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	1578 Los Alamos Rd, Santa Rosa, CA	95405 (d)	577-3981
CIRCULATION MGR:	Tracy Reese	WB6TMY	
SWAP SHOP:	Hank Davis	W6DTV	823-7885

\* = Appointed mbr.

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 ASST. DIR: Chuck Sabin N6DDK 795-2371  
 BADGES: Hank Davis W6DTV 823-7885  
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 EDUCATION: Steve Lund WA8LLY 823-4544  
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 FIELD DAY: Steve KD6GC and Al N1AL  
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 WB6PER 526-2972 N6KMJ 823-9691  
 WN6D 544-7943 WB6UAZ 544-7943  
 PACKET COMMITTEE: Al N1AL Jim WN6D  
 Rich KA6SSL

#### ARE YOU NOT AN SCRA MEMBER?

IF SO, then this is a complimentary copy. Our club is into almost every aspect of amateur radio: repeaters (13/73), Field Day, license classes (novice/upgrade), volunteer exams, RACES, DX programs, packet(145.03), 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 7:00PM or on 28.400 MHz at 7:30 PM.

You'll hear the latest Westlink Amateur Radio news broadcast, SCRA announcements, and a Swap Shop. If you would like to join SCRA, please refer to the dues listed below. 73!

#### -----CLUB MEETINGS-----

7:30 PM 1<sup>st</sup> Wednesday each month at the Emergency Operations Center (EOC) (see map below). All welcome.  
 NEXT MEETING: May 4, 1988  
 PROGRAM: Talk on the 911 system.  
 DUES: \$12/year plus a one-time \$4 initiation fee. (Includes call sign/name badge) Family membership: \$18.

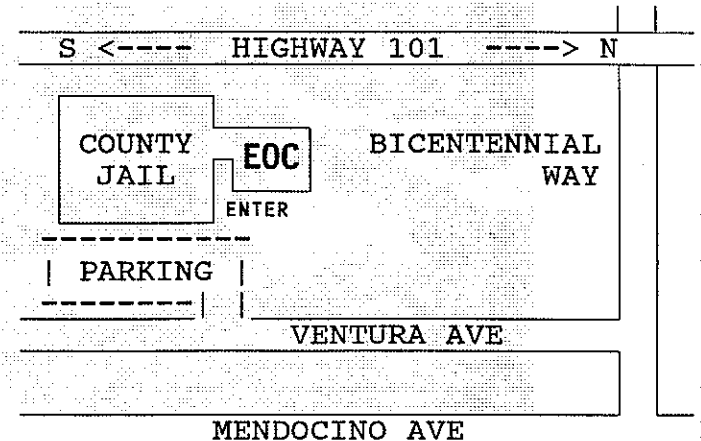
#### SHORT SKIP ADVERTISING RATES:

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: 15th of previous month



**FOX HUNT!**

Have you ever been on a Fox Hunt, the Amateur Radio kind? If not, then reserve Saturday morning May 21, gather together some direction finding equipment, and join us for a transmitter hunt. The annual SCRA fox hunt will start at 10 AM at the Garwood Market parking lot, corner of Fulton and Guerneville Roads.

This year, the fox (Jim N6PTM) is planning a two-legged hunt. First, a short easy warm-up to get the feel of your equipment, and then a more difficult, longer hunt to really test your skills. You will need a two meter radio tuned to 146.52 MHz and a directional antenna or DF rig. The equipment can be ridiculously simple or extremely complex. It is also best to bring along someone else to drive while you operate the equipment and read the map.

Come to the May meeting for more information and listen to the SCRA net on 146.73 on Tuesday nights for any updates.

- Jim N6PTM

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## ELECTION

Due to personal commitments, Board Member-at-Large Chris Clarke VE3PBC will be unable to fulfil his Board commitments, and has resigned. The Board has appointed Bob Sones WB6EKV as temporary replacement. The new Board member will be voted in at the upcoming May meeting. Nominations will also be accepted from the floor.

## NEW LOCATION FOR FLEA MART

It looks like the "Sebastopol Flea Market" will be in Santa Rosa this year. Due to a doubling of the rental fees and lack of space at the Sebastopol Community Center, we are planning to use the National Guard Armory in Santa Rosa. It's a bigger building, more centrally located, and cheaper.

There should be lots of parking in the Santa Rosa Junior College parking lot immediately adjacent to the (small) Armory lot. Currently there is no charge for using the JC lot on weekends. If they change that between now and September, it would cost each participant \$.75. There is street parking as well.

There are a few details to hash out yet, but it looks good so far.

- N1AL

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## THE RED CROSS HAS MOVED

The new location is 465 Tesconi Circle, PO Box 11687, Santa Rosa, CA 95406. Phone #: 577-7600.

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## ARE YOU A HAMAHOLIC?

There's no need to feel ashamed: Hamaholism is a disease like any other. To see if you're afflicted, take the following quiz:

Are you ever absent or late for work due to ham radio?

Has ham radio ever caused conflicts at home?

Do you operate to build self-esteem?

Do you find you need to be on the air more and more just to relax?

Are you or your family suffering financial problems because of ham radio?

Do you push ham radio on others?

Have you ever felt uncomfortable operating your HT in a public place?

Do you have the radio turned on before noon?

Do you operate to forget your problems?

Do you resent those who want you to spend less time on ham radio?

Tally your "yes" answers. If the total is less than 4, there's still hope, but you have to beat the problem before it beats you. The next time you feel the urge to flip the "ON" switch, just say "NO".

If you scored between 5 and 9, you're a candidate for the Hiram Maxim Memorial wing of the Betty Ford Rehabilitation Center. Apply now. You can't be helped until you admit that you have a problem.

If you scored a perfect 10, you're beyond help. Go and operate all you like. It will ruin your life, but most fun things do.

(Paraphrased from the March '88 issue of Bicycling magazine.)



DID YOU FORGET SOMETHING?

THIS IS YOUR LAST ISSUE OF SHORT SKIP if you haven't paid your dues. Check near your mailing label: If it says "dues are due", then you don't appear on the latest roster.

## SCRAPS: SONOMA COUNTY RADIO AMATEURS PUBLIC SERVICE

The March of Dimes Walkathon April 24 was coordinated by Hans KI6PD with help from Hank W6DTV, Sarah N6FAX, Jud KB6OYC, Bob K6GEV, John W6TLK, Irma KF6FX, Jim KB6RSZ, Don WA6ACX, Wilber N6MGY, Clarence W6IZR, Harvey K6KZ, Ruth WA6AQY, Warren WB6RHP, Brad KB6SQY, Bob N6RMW, and Jane N6NTB.

ON THE SAME DAY, we also covered the Coddington Lions' Club Biathalon. Coordinator Phil N6OOA was aided by Hoppy WD6CKP, Barry N6MHH and Ray KF6RS. They used 146.49 for this event while the others were using the 146.73 repeater for the walkathon.

## NEW CALLS AROUND THE COUNTY

Was... Is...

KB6EOC	N6RMW	Bob Phillips
N6LDP	KJ6EC	Jack Leitch
KA6VIE	N6PWV	Ken Rawles
nil	AA6GT	Donald Loarie



Apologies to Bob N6RMW. We listed his old call in the cover photo credit last month.

## PITTSBURG ANTENNA WAR

March 7 was the hearing in Pittsburg for Bruce Croskey WA6JCD's tower appeal. WD6J, KF6VU and I journeyed up there as part of the support force, and also out of curiosity. The major contingent was about 60 hams from the Mt. Diablo Club, many decked out in their yellow Radio Jackets.

The antenna hearing didn't start until 8:30. It stems from JCD's application to the Planning Commission for authorization to put up a 51' tower. He went through all the required notifications of neighbors, etc., and got the permit without protest. It seems that Bruce's neighbor is Anthony Donato, the Pittsburg City Manager. Apparently he, like the numerous neighbors who showed up, tossed out the official notice, not realizing what was up (or would be, and how close). The day after the use permit was granted, Donato rescinded it.

This hearing was Bruce's appeal. He gave an excellent 25 min prepared speech mentioning federal preemption of local regulation of ham activity, the role of Amateur Radio in times of communications stress, and the reliance of the Pittsburg emergency plan on hamming. His delivery was excellent, until he got into the details of his particular case which turned toward emotion and threats.

Bruce was followed by a number of hams whose speeches varied in relevance. Bruce's attorney spoke next with a light, common sense appeal. He questioned why Bruce was being singled out, since there are many other towers in town; some with permits and some without.

It was then time for Mr. Donato, the protagonist (antagonist?) He stressed the loss of equity based on the eyesore factor. His presentation and those of other neighbors, was comparatively poor, and was based on emotion, conjecture, and erroneous facts. He showed slides of existing objectionable antenna installations some of which were TV antennas, and finally one of Bruce's QTH with 3

almost invisible verticals. His only relevant shot was of a monstrous 40 meter beam with two others above it. They missed their chance to reap the potential it represented.

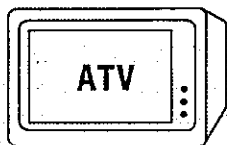
He was followed by 6 or 7 neighbors whose concerns went from aesthetics, to the presence of underground utilities, to worries that Bruce couldn't possibly know how strong the winds could get up there.

Questions from Council members followed. The first concerned what Bruce's 3 existing antennas were for. The answer was that the new antenna was necessary to be able to use all of his equipment (HF). The next question was what bands were necessary to "communicate over the hill to Walnut Creek and the rest of the world in times of disaster." Here Bruce tap danced around with comments about absorption by foliage and other irrelevancies. The arguments started growing weak.

The disasterous question was what if the tower were not allowed, would there be no outside emergency communication; & what about all the other towers in town? Bruce put his foot in it by answering that he was the only ham currently active. Councilman Davis then speculated that the hams were not in communication with each other, since he has visited ham friends of his own, and listened to QSO's with stations all around the world.

Fortunately, it was decided not to make a ruling that night, but to hold a separate meeting to reach a compromise. Bruce almost botched this offer by stating that there "could be no compromise concerning height", which almost brought immediate defeat. Bruce and his attorney related recent cases in which cities who lost have had to pay lawyers costs. This was taken as a threat by the Council, and did not help the cause. The session broke up around 10:30. Stay tuned for further resolution.

Excerpted from Don Pomplun K2BIO in the Livermore ARK LARK Newsletter.



The Palo Alto Red Cross has installed an ATV repeater on the top of Black Mountain above Palo Alto.

Inputs are on 426.25, 434.00 and 910.25 Mhz. Output is on 2400 Mhz.

Using 2400 Mhz as the output will require the use of a 20" dish antenna and down converter. We are putting together a quantity discount buy of dish converters. If you want more information on the purchase of a dish, leave your name and address as a message to N6IIU. Or call 415-851-4991 and leave a message with your address on the machine.

Our coverage area will be about 15 miles from the transmitter site, with good quality pictures in Menlo Park, Palo Alto, thru San Jose. Testing of the coverage is still going on.

The machine will be dedicated to Public Service and open to all. More info when you send for the info package.

73 Ted, N6IIU @ N6IIU-1

NOTE: The ATV repeater on Mt. Diablo can be tuned in on "cable ready" TV sets by connecting an outdoor antenna (vertically polarized) to the cable input, and tuning to cable channel (not UHF) 58. You may need a preamp such as Radio Shack's \$35 model.

(Tnx LARK Newsletter)

## **\*\* AMATEUR TELEVISION FOR BEGINNERS \*\***

Amateur Television, (ATV) has played a part in our hobby for quite some time. But only the die-hards with their modified television tuners and army surplus transmitters made it happen. Now due to advanced technology, the price of ATV gear is now in range. This mode of transmission still has quite a way to go, but the tools are now here to work with. ATV in public service events has opened many eyes at state, county, and city levels. Due to this positive press, we need a more structured network to better serve these agencies.

The equipment you need to get started is a receiver and a receiving antenna. It just so happens that a cable-ready television using a PLL tuner will tune to two ATV frequencies: cable channel #58 (426.25) and #59 (434.0). They are not dead on but the PLL will lock just fine. ATV can be operated simplex or through a repeater. There are many different configurations of repeater systems: they range from 434.0/426.25 in and 23cm out, 23cm in 434.0/426.25 out, and 434.0/426.25 /910.0 in 2.4ghz out.

There are 2 or 3 brands of transmitters on the market. Most of us use the TC 70-1 from PC Electronics. This model has many features including a 70cm receiver. The RF output is 1 watt in the 70cm band and runs on 12vdc. An RF AMP is almost a must in this part of the band. Most of us use the Mirage, D24N 50 watts or the D1010 100 watts. You should use a beam antenna for ATV on the 70cm band. Polarization is a hot item out there right now so I recommend that circular polarized be considered. Programing has quite a future for ATV, from club meetings to training forums to live events, all in living color, in the warmth and comfort of your own ham shack. See you on the tube!!

'73 Eric, N6OIM @ N6IIU-1 TCP/IP N6OIM-2 44.4.0.39 144.950

## THE STORY OF THE GROUNDPLANE

The Groundplane Antenna was not invented in 1939 in the USA by G. H. Brown, J. Epstein and R. F. Lewis, as has been widely reported (for example, Ham Radio Magazine 1/77 and 2/86, and Radio Communication 7/81).

This interesting VHF/UHF antenna was, on the contrary, invented six years earlier in France by M. Ponte.

The corresponding French patent, number 764,473 dated 1933, already showed all the essential details of this antenna type: the quarter-wave radiator, coax feed, & radials used as counterpoise & decoupling sleeve.

The patent describes an essential part of the invention: the blocking of undesired radiation from the coax by either a horizontal disc a half wavelength in diameter or a number of horizontal 1/4-wave radial wires.

Before long, the invention became known in the USA and Great Britain through corresponding patents filed in these countries (US-Pat. 2,026,652 registered 1933 granted 1936, and GB-Pat. 414,296 registered in 1934).

The term "groundplane", referring to the counterpoise, was first used in August 1935 in an article in Electronics Magazine called "UHF Antenna Terminations". The terms "groundplane antenna" and "ground radials" come from "Design Data for Groundplane Antennas" in Electronics of August 1943. Radials were called "guy wires" in the 1st article, & later "quarterwave rods" and "ground rods" by G. H. Brown in 1939/40.

At this point, we should mention four remarkable early contributions to the history of the groundplane antenna:

In Germany in 1936, W. Buschbeck registered a patent for a groundplane antenna with a reactance-compensation network at the feedpoint to reduce amplitude and phase distortion for TV use.

In the USA in 1937, A. B. Bailey submitted a patent for a coaxial antenna which used

as counterpoise and decoupling sleeve either a quarter wave tube or an inverted pyramid-shaped wire basket.

In Great Britain in 1937/38, E. C. Cork and J. L. Pawsey registered a patent for a groundplane antenna using tuned radials with inductive loading and capacity hats.

Finally, in France in 1938, a GP antenna was patented which used several quarter wave decoupling sleeves spaced a half wave apart.

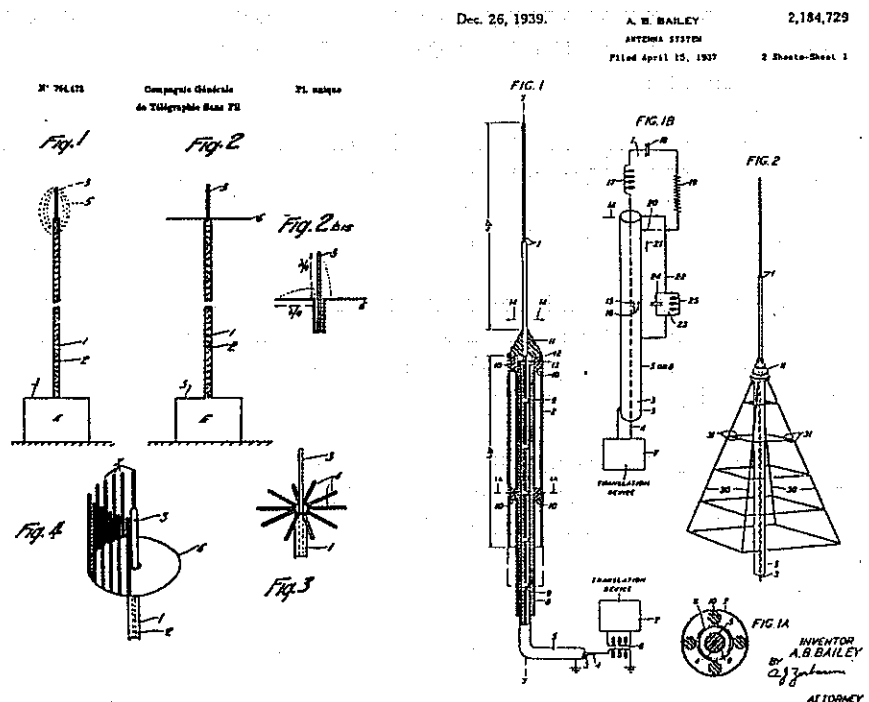
[Ed note: a pre-war isopole!]

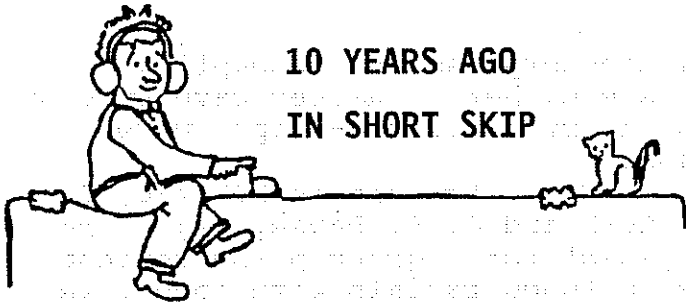
Brown's Patent application did not come until 1939, followed by that of H. A. Wheeler in 1943.

This information about the early history of the groundplane antenna should not, however, diminish the importance of Dr. Brown as a great inventor and antenna specialist.

In memory of his accomplishments, we enumerate some of his work in this field: Ground currents (1933), Turnstile antenna (1935), broadcasting antennas (1935), two-band antenna (1936), ground system and antenna efficiency (1937), square antenna (1938), rotary beam (1940), collinear (1941), duplexer (1942), and HF wattmeter (1943).

[From "Die Geschichte der Groundplane", by Alois Krischke DJØTR/OE8AK, in CQ-DL, Nov. 1987.]





Vol 3, issue 5 of Short Skip discussed preparations for Field Day. Editor WB6NBR mentioned that N6IP and WB6NBR would be working 20 meters once again, so that will give the other stations "something to work for."

Dues had just gone up from \$5 to \$8. Those who only paid the old fee still owed \$3.

Hank W6DTV won the liar's club contest. Prize was an exposure meter donated by Ray WA6JNY.

This issue featured photos and biographies of Pres. Ray WA6JNY, Sec/Treas. Betty WD6CKR (now AG6C), VP Dave WD6AJR and Editor WB6NBR.

## WERE YOU A MEMBER OF SCRA

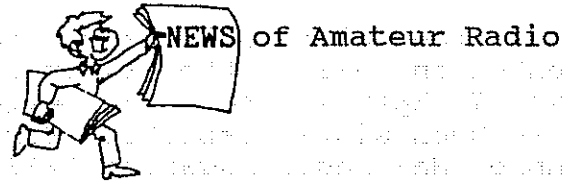
### IN YEARS PAST?

Please, if you have any of the following issues of Short Skip in your collection, call Al Bloom N1AL so we can photocopy them for our records. 577-3981 (days) or 538-7115 (eves).

- Vol. II (1977) all issues.
- Vol. III (1978) issues # 1, 2, 3, 4, 7, 9, 11 & 12.
- Vol. IV (1979) issue # 4.

Also, some of our pre-1985 issues are in poor shape, so if you decide to throw away any old copies, throw them this way instead!

Thanks to Bob WD6DPE, Betty AG6C, Terry WA6RNF, Warren WB6RHP & Brian KE6WL for their past donations.

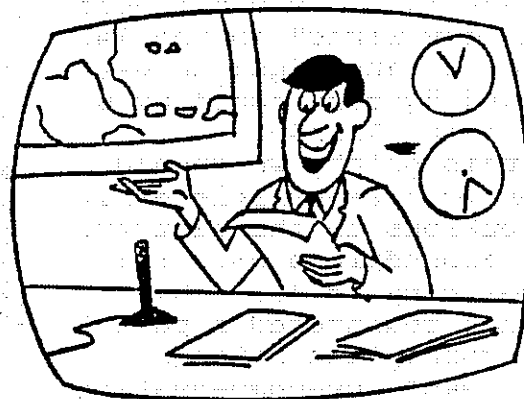


AN OVERHAUL OF AMATEUR REGULATIONS has been proposed by FCC in Docket 88-139. Existing regulations will be simplified, and new regulations will appear to clarify: swap nets, disaster/public service communications, newsgathering on ham bands, etc. Comments due Aug 31. (ARRL)

A LEGAL DEFENSE FUND has been set up for the Westlink Radio Network, the 220 Spectrum Mgmt Assn of So. Cal., and the 4 other defendants in the defamation suit by a pirate repeater coordinator. Ham Radio Magazine Assoc. Editor W9JUV will manage the fund: Westlink Legal Defense Fund, Joe Schroeder, PO Box 406, Glenview, IL 60025. (Note: the Westlink Report and Westlink Radio Network are separate organizations.) (Westlink)

AMSAT's PHASE 3C SATELLITE is set for launch May 26. It should be ready for full use by late June. (Field Day?????) (Gateway)

Thanks to the ARRL Letter, Westlink Report, and ARRL Gateway newsletter for the above info.







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## MINUTES OF THE GENERAL MEETING OF SCRA APRIL 6, 1988

The meeting was called to order by President Russ O'Neill N6KMJ at 7:33 PM. Other officers present: Vice President Glen Crownover N6DNB, Treasurer Jim Pelmulder N6PTM, Secretary Al Bloom N1AL, Activities Chairman Steve Schaffer KD6GC, and Repeater Chairman Hoppy Bravin WD6CKP.

Jane N6NTB presented the VISITORS: Marilyn Franz, Dan Hancock, Rick Sealock, and Jud Goodrich. NEW CALLS: N6LDP is now KJ6EC.

Lyle WW6F presented the DXCC award to Hank W6DTV. It took Hank 4 years running 100 Watts on "mostly 10 and 15 meters", using an antenna that "came over with Columbus on the Mayflower."

A plaque was presented to Terry WA6RNF in appreciation of his "many years of service to the club and Amateur Radio." After 20 years of active membership, Terry is moving to Idaho.

The MINUTES were approved as printed in Short Skip. m/s KB6PTA/K6GEV  
The TREASURER'S REPORT, by N6PTM, as of March 31 shows \$1104.74 income and \$364.29 expenses for a total of \$1492.57 in the General Fund and \$1888.07 in the Repeater Fund. Accepted: m/s K6GEV/WB6RHP

REPEATER: Hoppy WD6CKP reports no problems. The mysterious voices from Oakland who were using the '13 input frequency as an intercom (sans ID) have disappeared. WB6RHP asked if we could lower the ID volume. Hoppy said yes, but it will require a trip to the hill. Steve WA8LLY noted that FCC requires the ID be audible over the audio.

EDUCATION: Steve mentioned the upgrade exams 3 weeks ago. Next Novice class will have to wait until Fall unless we get a volunteer instructor.

ACTIVITIES: Steve KD6GC passed around a sign-up sheet for Field Day. WA8LLY discussed the W2ØØLFJ operation Sept. 3-9 and proposed we also activate WB2ØØPVS since WB2ØØ is a "rare" one for prefix hunters. We'd like to operate from the site of the Bear Flag Revolt in Sonoma. A letter was sent to the VOM club proposing we make it a joint operation.

QSL's: Doug WAØJRB reports we just got some Oscar QSL's from Field Day!

PUBLIC SERVICE: Bob WB6EKV listed 3 events for next month: On April 24 we have the March of Dimes Walkathon coordinated by Hans KI6PD. We need 12-13 operators. The Coddington Lion's Club event is the same day. On May 1 is the Santa Rosa Wine Country Century 100 bike race.

BADGES: Hank W6DTV listed the badges that need to be picked up.

The FOX HUNT will be Saturday May 21. It will be a 2-legged event with the first leg "easy" and the second leg a trifle more "challenging".

After coffee and donuts, we went on to NEW BUSINESS:

ANTENNA RESTRICTIONS: Sam WN6W had a 35-foot crank-up tower in his backyard. After one complaint from a neighbor, the City ordered him to lower it to 20 feet. The Environmental Impact Reports and other procedures to get an antenna over 20 feet approved are nearly impossible.

Sam has the antenna packet from ARRL. WA8LLY stated that the city's regulations do not conform to the model ordinance of the National Council of Cities. After considerable discussion, the consensus was that the club should try to talk the city into allowing reasonable ham antennas. Volunteers to look into the matter were WN6W, WB6PTA, KB6GIV, KB6UCL, N6NTB and WB6DPE. At some point, we may need to get as many club members as possible to "mob" a city council meeting.

HOME BREW CONTEST: Judges KD6GC and WA8LLY had great difficulty deciding on winners from the numerous excellent entries. Third prize went to Mike KG6YR for his direction finding unit. Second prize was the LED power meter by Brian KE6WL. First prize was earned by Jeremy KB6KUI for his 80 meter receiver. Jeremy's name will be added to the Homebrew Contest plaque.

POSTAL RATES are going up, according to N1AL. Our bulk mail rates went

up over 4 cents a copy. We will have to increase Short Skip advertising rates to cover it.

The club voted to pay the \$416.37 printing bill for the club QSL cards. m/s N1AL/KD6GC

WB6RHP announced the 25 cent membership raffle was lost by Jack Osborn NA9X. It was ruled that "Don Osborne" WA6ACX was not close enough, so the money will be held over. Should be about \$39 next month..

We need an NCS STATION for the net next month. If no volunteers, Hoppy will start making phone calls.

The meeting adjourned at 9:00 PM. m/s WD6CKP/WA6ACX

Respectfully submitted by Al Bloom N1AL, Secretary.



### TREASURER'S REPORT FOR MONTH ENDING MARCH 31, 1988

ACCOUNT	REVENUE	EXPENSE
Refreshments	11.24	10.56
Dues & Initiations	780.00	
Fund-Raiser (ARRL)	50.00	46.00
Badges	4.00	47.91
Misc	30.00	5.93
Newsletter	48.00	182.70
Westlink		18.96
Member supplies	181.50	11.43
Officers expenses		40.80
	-----	-----
	1104.74	364.29
ASSETS:		
General Fund Account		1443.04
Cash/checks on hand		49.53
Total General Fund		1492.57
Total Repeater Fund		1888.07

-- de N6PTM



----- HANK'S SWAP SHOP -----  
Hank Davis W6DTV 7822 Washington Ave  
Sebastopol, CA 95472 823-7885  
(Noncommercial ham ads printed free)

IC-299 multimode 10W 2m transceiver:  
USB/LSB/CW/FM/AM, mic, manual \$235.  
P/L board \$25. Rich KA6SSL 823-0431.

DSI FREQ COUNTER 30/450 MHz, probe,  
tap box. \$85. Bob WU6W 578-8480.

COMMODORE SX-64 portable computer  
built-in disk drive, 5" color  
monitor, printer intfc, your choice  
of software, 3 free hours of  
instructions. \$400. Garry N6ONZ  
(707) 584-3425.

### NEW MEMBERS SINCE LAST MONTH

Leslie W. Goodrich KB6LEG  
6396 Stone Bridge Rd.  
Santa Rosa, CA 95409  
538-4391

Judson E. Goodrich KA6MUB  
6396 Stone Bridge Rd.  
Santa Rosa, CA 95409  
538-4391

Ken Rawles N6PWV  
613 Hewet St.  
Santa Rosa, CA 95401

Rick Sealock KB6QIV/KT  
7540 Camino Colegio  
Rohnert Park, CA 94928  
792-1840

A complete club roster will be  
published next month.

NEW LOCATION!

# LETTER SHOP PRINTING

4283 Montgomery Dr., P.O. Box 2618

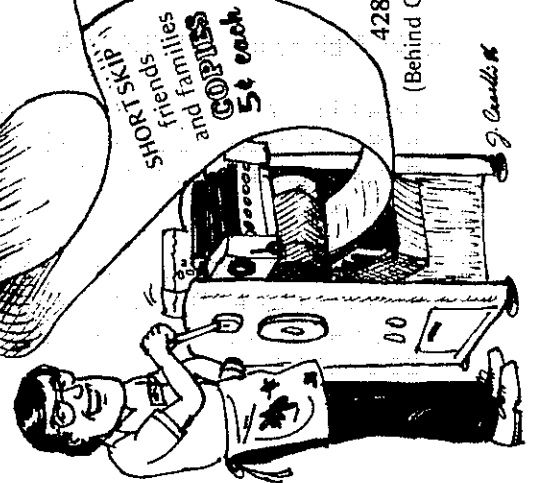
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## A FULL SERVICE PRINT SHOP

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| Brochures      | Flyers          | Newsletters   |
| Business cards | Film processing | Numbering     |
| Business forms | Graphics        | Pamphlets     |
| Binding        | Hole punching   | Postcards     |
| Bulletins      | Invoices        | Posters       |
| Copying        | Illustrations   | Price lists   |
| Collating      | Labels          | Reductions    |
| Catalogs       | Layout dept.    | Resumes       |
|                | Letterheads     | Reports       |
|                | Manuals         | Rubber stamps |
|                | Mailing labels  | Stapling      |
|                |                 | Stationery    |
|                |                 | Stats         |
|                |                 | Typesetting   |
|                |                 | Tickets       |

Wedding announcements

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(Behind Carns Restaurant — Lakeside Shopping Center)

*J. Cantello*

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