

SHORT SKIP

Sonoma County Radio Amateurs, Inc.



APRIL 1988

Club Station

W6LFJ

P.O. Box 116

Santa Rosa, CA 95402

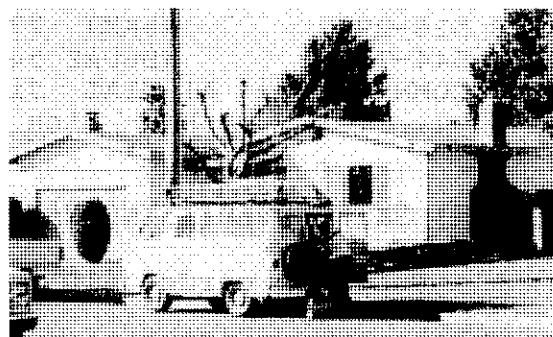
Repeater Station

WB6PVS

VOL 13 # 4

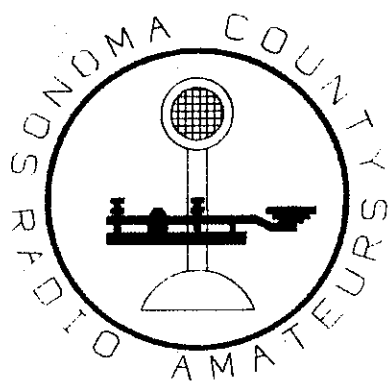


N6FAX, KI6QY and WB6EKV
at the "Mucky" biathlon
(see page 4)



WA6RNF packing his antennas
for Idaho. (See minutes)

PHOTOS BY BOB KB6EOC



-----OFFICERS FOR 1988:-----

PRESIDENT:	Russ O'Neill	N6KMJ	823-9691
VICE PRESIDENT:	Glen Crownover	N6DNB	938-5986
SECRETARY:	Alan Bloom	N1AL	538-7115
TREASURER:	Jim Pelmulder	N6PTM	823-7947
MEMBERS-AT-LARGE:	Chuck Sabin	N6DDK	795-2371
	Chris Clarke	VE3PBC	584-7577
REPEATER CHAIR:	Hoppy Bravin	WD6CKP	542-6750
ACTIVITIES CHAIR:	Steve Schaffer	KD6GC	546-8860

-----SHORT SKIP STAFF:-----

EDITOR:	Alan Bloom	N1AL (e)	538-7115
	1578 Los Alamos Rd, Santa Rosa, CA	95405 (d)	577-3981
CIRCULATION MGR:	Tracy Reese	WB6TMY	
SWAP SHOP:	Hank Davis	W6DTV	823-7885

ARRL LIAS: Alan Bloom N1AL 538-7115
 ASST. DIR: Chuck Sabin N6DDK 795-2371
 BADGES: Hank Davis W6DTV 823-7885
 HISTORIAN: Connie Freitas N6FYV

-----ACTIVITIES COMMITTEE-----

PUBLIC SVC: Bob Sones WB6EKV 546-3873
 PROGRAM CHAIRMAN: Bob WD6DPE 546-5593
 REFRESHMENTS AT MEETINGS: Bob WD6DPE
 GREETER AT MTGS: Jane N6NTB
 MEMBERSHIP LOTTERY: Warren WB6RHP
 QSL MANAGER: Doug Bender WW6D
 VEC EXAMS: Steve Lund WA8LLY 823-4544
 WA6ACX N1AL K6ANP AG6C WD6CKP WN6D
 WW6D W6DTV WW6F WB6FRZ KF6FX W6RIA
 WB6UDR WU6W
 EDUCATION: Steve Lund WA8LLY 823-4544
 WA6ACX, WW6D, WB6PDP, W6TLK, KF6WV
 AWARDS CHAIRMAN: Steve Lund WA8LLY
 FIELD DAY: Steve KD6GC and Al N1AL
 INTERFERENCE CHR: John W6CCY 823-1357

-----REPEATER CONTROL OPERATORS-----

WD6CKP 542-6750 W6DTV 823-7885
 WB6PER 526-2972 N6KMJ 778-1758
 WN6D 544-7943 WB6UAZ 544-7943
 PACKET COMMITTEE: Al N1AL Jim WN6D
 Terry WA6RNF 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 1st Wednesday each month at the Emergency Operations Center (EOC) (see map below). All welcome.

NEXT MEETING: April 6, 1988

PROGRAM: HOMEBREW CONTEST

DUES: \$12/year plus a one-time \$4 initiation fee. (Includes call sign/name badge) Family membership: \$18.

SHORT SKIP ADVERTISING RATES:

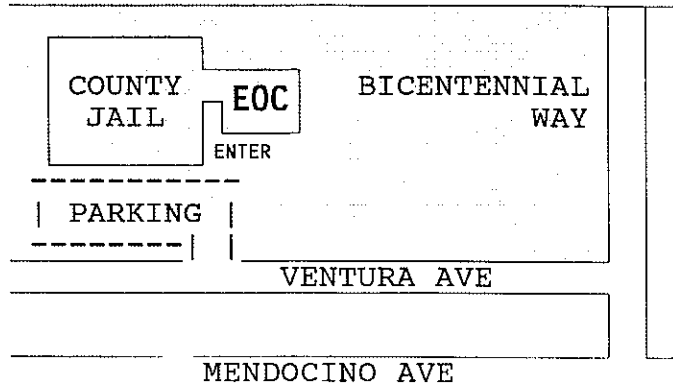
Business cards: \$10

\$14 First 1/4 Column
 \$2 Additional 1/4 Columns
 (\$28 Full Page, 1 side)

Pre-printed inserts: \$28/sheet

Guaranteed circulation: 200/month
 AD DEADLINE: 15th of previous month

S <---- HIGHWAY 101 ----> N



HOME BREW CONTEST

Bring your latest creation to the April meeting for the sixth annual SCRA Homebrew Contest. You do not have to be an electrical engineer to win this one. Don't forget that the winner's name is added to the plaque in the club's trophy case.

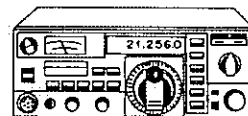
RULES

1. Contest open to SCRA members only.
2. Schematics or program listings should be supplied if possible.
3. Separate award category for kits.
4. Project must be amateur-radio related.
5. The equipment or program listing must be brought to the club meeting on the contest night. Exceptions will be made for large projects, such as antennas. In such cases bring a photo or other documentation.
6. Proof of operation shall constitute plugging the gear in and operating it. Otherwise submit test data to show that it works as intended.
7. The winner will receive a certificate, and his name will be engraved on the SCRA homebrew contest plaque.

ENTRY FORM

Name:

Project:



JUDGING CRITERIA

Circuit complexity and sophistication of function:	_____ (15)
Novelty/ingenuity/economy of operation (original designs only)	_____ (10)
Proof of operation	_____ (15)
Utility and operating convenience	_____ (10)
Neatness, appearance, workmanship	_____ (20)
Use of surplus and/or readily available parts	_____ (15)
Judges discretion	_____ (15)
TOTAL	_____ (100)

(Numbers in parentheses are the relative weights of each factor.)



MUCKY MOODOO

In 1939, the forefathers of our club affiliated with the ARRL. This would place the year of 1989 as our 50th with the League.

Now the question is: Does the membership want to celebrate this anniversary? The club has progressed a great deal in that period, from a small group to nearly 200 at present.

What does the membership wish to do? Maybe a special QSL could be available for all those working W6LFJ. Perhaps a special certificate for working the coastal 5 counties with Sonoma Co. through W6LFJ.

This means that W6LFJ would have to be on the air weekends for a period of time. Maybe working 10 club members and W6LFJ, or 15 members without W6LFJ, would be good for a certificate.

Many ideas are out there -- send yours to the Board or better send it to the Board Members at Large; they are your representatives.

This is a one-time chance for most of the club members, as by the time the century mark arrives, most of us will be on vacation.

- W6DTV

CLUB QSL CARDS

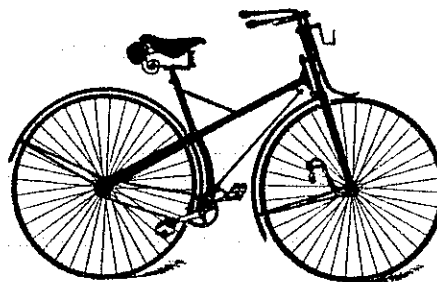
The order was taken to the printer March 24, and we should have everyone's order ready at the April club meeting.

We will have 4-5000 cards left after printing W6LFJ and W2ØØLFJ cards, so you can still order (see last issue for details).

The Mucky Moodoo Biathalon is a combination footrace/bikerace for the benefit of the Poppy Creek Nursery School. The one on March 6 drew 175 entrants and 19 Amateur Radio volunteers who provided communications.

Those who helped out were Hoppy WD6CKP, Chuck N6DDK, Glenn N6DNB, Hank W6DTV, Bob KB6EOC, Sarah N6FAX, Ken N6GXI, Georgia N6GZU, Rudy N6KLU, Jeremy KB6KUI, Wilbur N6MGY, Jane N6NTB, Gary N6ONZ, Phil N6OOA, Hank KI6PD, Marie KI6QY, Wayne W6RIA, Brad KB6SQY, and John N6TLK.

If you see Hoppy at the next meeting, ask him about his unscheduled stroll in the woods...



NEW MEMBERS SINCE LAST MONTH

Brad Silva KB6SQY/KT
1279 Slater St.
Santa Rosa, CA 95404
527-5677

Harold Baldwin KB6UCM
110 11th St.
Santa Rosa, CA 95401
527-0868

Steven Consani KB6UQB
1140 Olive St.
Santa Rosa, CA 95407
545-2010

Jon James KB6UWX
2549 Lewis Dr.
Sebastopol, CA 95472
823-9743

If everybody renews, we now have 206 members.

SCRA / HSC COMPUTER BULLETIN BOARD**NEW PHONE # 527-7734**

We now have a new bulletin board program! If you checked in before and saw garbage on the screen, then this system should look MUCH better.

Many fine Ham Radio programs for PC-compatibles have been uploaded. There are some especially nice ones for learning Morse code or improving your code speed. Also there are several Text files about Sonoma County ham radio activities and a NEW FEATURE: you can now upload articles for Short Skip.

The following is a rough guide to help you get started if you are new to computer bulletin boards. It may sound confusing to read this without actually seeing the computer screen, so I encourage you to learn by doing with your computer. Set your modem parameters to:

Parity: none
Number of bits: 8
Stop bits: 1

I have not tried the system with any monitors with less than 80 characters per line. It may work fine, but I can't guarantee it.

The first time you connect, you will be asked to read a couple short bulletins. Then if you wish, choose "R" for register. The BBS will then ask you for the type of graphics your computer supports:

"N" = NONE (No graphics)
"IBM ASCII" = IBM monochrome monitor (uses IBM ASCII characters to draw boxes etc.)
"C" = Color monitor (IBM CGA or better.)

When asked if you want nulls, almost everyone should answer "N". Next is the type of protocol to use for uploading or downloading files. If you aren't sure, just choose "N" for NONE: you will be asked again if you download something later.

It's really simpler than it sounds: just enter a "N" for the last 3 questions. You don't have to go through this every time you log on -- the computer will remember.

If your computer is non-IBM-compatible, you can read and leave messages in the message section, or you can read Text files from one of two file areas: HAMTEXT or TEXT.

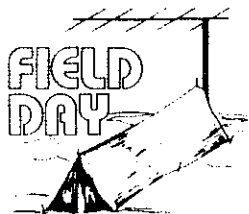
To get to the file area from the main menu, type "F". When the menu comes up, type "L" and then press <ENTER> to list file areas. Then type "L" again, but this time type "HAMTEXT" when asked for which files. You will see a list of all Ham Radio Text files. To look at one, type "D" (for Download), and when asked for kind of protocol, answer "A" for ASCII. If your terminal program allows, you can "capture" the data coming in to your disc drive or send it to a printer.

TO SEND AN ARTICLE FOR SHORT SKIP
[Ed: a little Editorial prerogative used here...]
From the file menu, press "U" for upload. When asked for the filename, make sure it is 8 characters or less, and put a period and the letters "SS" after the file name: "ARTICLE.SS". This will allow ONLY N1AL to read or download the file to include in Short Skip. Type your article, followed by <Control> K to signal the end of the file.

The bulletin board is an excellent way to experiment and learn more about the world of computer communications. So far, no one has injured anything by typing the wrong commands or by getting lost and hanging up the phone. So be brave, experiment, and have fun! You may be surprised at how much you learn.

- WN6D sysop (system operator)





So far we only have band captains for 80 CW/SSB (N1AL), 40 CW (KD6GC), and 28/220 MHz novice (N6ONZ). We need separate CW and phone stations for 80/40/20 and one station on 15. On 10, we'll have the Novice station plus a "swing" station that can go on either 10 or 15 as needed, plus act as a backup station on 20.

Antennas are pretty well in hand. On 80 we have N1AL's "secret weapon" from last year. Dipoles on 40. The 15 and two 20m quads will be checked out by W6CCY. John is also working on a TA-33 for the "swing" station.

We could use some more good antenna masts. WB6RHP will have his trailer/tower -- anybody else happen to have access to a nice 100 foot construction crane???

Rigs: N1AL's old Heathkit with receive filters worked well on 80 CW last year, & we have our "new" TR-3 on phone. A Drake 4-line is available for one other CW station. We need good Drake or Collins tube-type rigs on 80/40/20 so we can run phone & CW simultaneously without QRM. If you have anything, call Steve or Al.

Food: Come hungry Saturday night -- N6DDK's famous chili will warm your cockles.

OPERATORS: This was our biggest lack last year. We need as many "experienced hands" as possible to assign to the best shifts on the "hot" bands. If you are a "green hand", we still need you to keep the rigs going on the secondary bands. (10/15 meters may not be all that "secondary" this year, now that the sunspots are coming back!) If you want to operate from 2AM-7AM, we can almost guarantee you a choice spot!

Call: Al N1AL 538-7115 (eves)
577-3981 (days)
or: Steve KD6GC 546-8860 (eves)

NEW ANTENNA BOOK

Once in a while, a book will come to print that is worth buying. The new book by W1FB titled Antenna Notebook should be in the radio shack of all Novice to General license holders. Good review for Advanced and Extra. It goes into all types of antennas and covers theory as well as building. It explains antenna height above ground, and the space antenna as against the real-world antenna.

This one is available locally at our advertiser in Short Skip.

- W6DTV

COMPUTER QRM

FCC regulations specify maximum Radio-Frequency Interference (RFI) emissions for computers. How far away from the ham antenna does the computer have to be if it is not to cause interference?

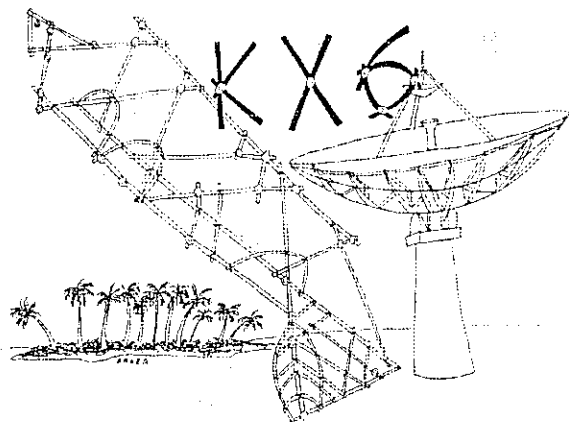
FREQ MHZ	CLASS-A COMPUTER	CLASS-B COMPUTER
30	3913m(12838 ft)	1304m(4279 ft)
50	2368m (7770 ft)	789m (2590 ft)
150	1364m (4474 ft)	409m (1342 ft)
460	600m (1969 ft)	171m (562 ft)

Class-A limits apply to business computers, while Class-B is for home computers.

Assumptions: Computer just meets FCC spec, 1/4 wave vertical antenna, square-law propagation loss, separation required to reduce interference to .25 uV at receiver input. See "Microprocessor Interference to VHF Radios", Daryl Gerke, March 1988 RF Design Magazine.

- N1AL





COMMUNICATION WITHIN THE MARSHALL ISLANDS

Communication within a country of only 70 square miles normally would not be a problem. But in the Republic of the Marshall Islands, this tiny amount of land is spread amongst more than 1000 islands scattered over a half-million square miles of the Pacific Ocean. So, from the earliest days of human habitation, communication has been the backbone of this society.

Initially, outrigger canoes were the only means to send word from one island to another. One has to admire both the courage and navigational abilities of these so-called "primitive" sailors, for they would cross hundreds of miles of open ocean and accurately arrive on a strip of flat land that is not even visible beyond the near horizon. Each navigator would carefully study a chart of pandanus wood, coconut fiber and sea shells. From these, wave patterns and island locations were precisely known.

The ancient art of Marshallese navigation has vanished into history. The communication now making history on the Marshall Islands is the modern electronic version.

Granted, three-element beams do not dominate the skyline, and even telephones are absent from the homes of the highly Westernized capital of Majuro, but there are a few amateur operators based on the atolls of

Majuro and Kwajalein, where they have their own club and two meter repeater. Individual hams have as up-to-date gear and radio interests as anywhere on earth!

Most of these hams come from other parts of the world, bringing with them both their hobby and their distinctive accents. If you want to become portable or permanent DX yourself, check with the Department of Transportation and Communication.

"Radio Marshalls" WSZO, broadcasts at 6.070, 4.940 & 1.090 MHz between 7AM-10PM local time (1900-1000 UCT) at 10,000W. World news is the simple re-transmission of the Voice of America or Radio Australia. Local news is given in both Marshallese and English, with popular music of all sorts (rock to country) interspersed with Marshallese songs.

In the two main population centers of Majuro and Ebeye, there are only 1000 telephones for over 20,000 people. For only 30 cents a taxi ride, you can visit cheaper than phone! If you need to talk overseas, the Satellite Communication Station charges \$4.00 a minute to the U.S. and as much as \$5.00 to other places -- One has a tendency to talk rather quickly! The outer islands are linked by means of government-owned SSB shortwave stations on a marine frequency.

As Telex, HF, VHF, Business and other commercial radio begin to grow with this new nation, amateur radio will also expand. More and more KX6 call signs should be heard on the airwaves, and island names such as Jaluit, Enewetak, Namorik, Maloelap, Alingalapalap, Mili, and Ailuk may no longer be such oddities to non-Marshallese ears.

Yokwe im jiljilimjounnoul-jilu
(Greetings/love and seventy-three)

- Nancy Vander Velde AA3EA

MINUTES OF THE GENERAL MEETING OF SCRA MARCH 2, 1988



The meeting was called to order by President Russ O'Neill N6KMJ at 7:34 PM. Other officers present: Treasurer Jim Pelmulder N6PTM, Secretary Al Bloom N1AL, Activities Chairman Steve Schaffer KD6GC, Repeater Chairman Hoppy Bravin WD6CKP, and Member-at-Large Chuck Sabin N6DDK. 44 people were present.

NEW CALLS since last meeting: Bob KB6EOC is now N6RMW.

PROGRAM: Bob WD6DPE introduced Col. James Peters of the California Air National Guard, 149th Communications Squadron. Col. Peters presented an interesting slide show describing the ANG's communications gear used both to back up the U.S. Air Force as well as for State responsibilities.

The MINUTES of the last meeting were approved as printed in Short Skip. m/s N6DDK/N6IIV

The TREASURER'S REPORT as of Feb. 29 listed \$752.12 in the General Fund and \$1888.07 in the Repeater Fund. Approved. m/s K6GEV/KA7YXF

REPEATER COMMITTEE: Hoppy WD6CKP discussed the intermod problem the '73 repeater is having with the 145.35 machine as well as others on the hill. KF6WV asked why the receiver sensitivity is not up to snuff. Hoppy replied that the repeater's range depends a lot on propagation. Also our commercial-grade repeater has "tight" IF filters which means you have to be within 2 kHz or so if your signal is not strong. [Ed note: many ham transceivers specify 20 ppm which is almost 3 kHz on two meters!]

ACTIVITIES: Steve KD6GC reminded everyone about the upcoming Homebrew Contest at the club meeting in April. He also passed around sign-up sheets for Field Day and the W2ØØLFJ operation in September. We DO have authorization to set up antennas at the FD site on Friday night of Field Day weekend. [Ed note: see FD article this issue...]

PUBLIC SERVICE: Bob WB6EKV talked about the upcoming event at Annadel Park.

BADGES: Hank W6DTV has badges ready for: N7ØN, KB6UXA, WA6HYE, WA6BPA, KB6IOT, and KB6UWY.

Chuck N6DDK attended the ARRL DIRECTOR'S MEETING and relayed our request for a QRP category on Field Day. N.D. (After all, QRP already gets a low-power multiplier.) They did recommend that class F, battery operation, be considered a separate category.

OLD BUSINESS:

Al N1AL read a letter from the Sebastopol Community Center denying our request for the return of our \$100 cleaning deposit from the Flea Market in September. There followed discussion on alternative sites for next year's event.

Al also mentioned that QSL cards will be printed in a week or so, so get your order in right away.

NEW BUSINESS:

Terry WA6RNF is going on a permanent DX-pedition to W7-land to work for HP at their Boise, Idaho plant. Terry has been an active member of SCRA since 1968 and will be sorely missed.

Aaron KA7YXF is offering special T-shirts for the operators at Field Day. They cost \$12 with callsign or \$10 without. (The shirts, not the operators.)

MEMBERSHIP LOTTERY: See Warren WB6RHP if you DON'T want to participate. Otherwise your name will be on the list, and you'll be hit up for 25 cents at every meeting. Hans KI6PD would have won \$20.15 if he were present tonight. The money will be held over until next time.

The meeting adjourned at 8:53 PM. m/s WA6RNF/WA6ACX

Respectfully submitted by Alan Bloom N1AL, Secretary.



TREASURER'S REPORT

FOR MONTH ENDING
FEBRUARY 29, 1988



<u>ACCOUNT</u>	<u>REVENUE</u>	<u>EXPENSE</u>
Activities		
Refreshments	8.23	10.56
Dues & Initiations	302.00	
Fund-Raiser		
Badges		3.18
Donations		
World Radio		
Awards		
Misc (club radio)		200.00
Repeater		
Newsletter	76.00	92.53
Training/Education		
Westlink		
Member supplies	9.75	
Officers expenses		
Insurance		
	-----	-----
	395.98	306.27
ASSETS:		
General Fund Account		683.47
Cash/checks on hand		68.65
Total General Fund		752.12
Total Repeater Fund		1888.07

-- de N6PTM

EVENTS CALENDAR:

Don't forget SCARS nets on Tuesdays.

APRIL:

- 4 - RACES etc. Net 7:30 PM
- 6 - SCRA meeting 7/7:30 PM
- 9 - Foothill College Flea Market
- 11 - ARRL 144 MHz Sprint
- 16 - NARCC Meeting, Carmichael
- 18 - RACES etc. Net 7:30 PM
- 19 - ARRL 220 MHz Sprint
- 21 - CDF VIP Meeting 7:30 PM
- 24 - March of Dimes Walkathon
- Coddington Lions Biathalon
- 27 - ARRL 432 MHz Sprint
- 29-May1 - Dayton Hamvention

MAY 1 - SRCC Wine Century Bike Tour
JUNE 25-26 - Field Day

SEPTEMBER:

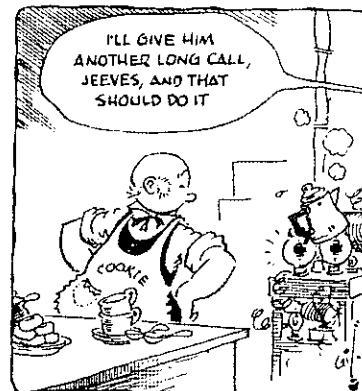
- 3-9 - W2ØØLFJ Bicentennial Stn.
- 17 - SCRA Flea Market

UPS WANTS THE 220 MHZ BAND. FCC has accepted the late comments filed by United Parcel Svc. on Docket 87-14 re-allocation of 220-222 MHz to the land mobile service. Reply comments were due March 31, giving most hams no chance to respond. (ARRL)

COORDINATION WARS CONTINUE in Chicago. KB9FO has informed the Ill Rptr. Assoc. that he intends to take over from outgoing UHF coordinator WA9ZZU. N6DBX has also applied for the job. The IRA had intended to call a meeting of all UHF repeater owners to decide, but KB9FO says he will insist on an election by ALL amateur users of the 70 cm band as specified by former FCC Division Chief Kowalski. It is unknown if the IRA has the will or the funds to conduct such an election. (Westlink)

AND IN NORTHERN CALIF. In addition to the PARROC group in Humboldt Co. which works in conjunction with NARC, a San Jose amateur recently proclaimed himself a 450 MHz coordinator for the region, and a recently-licensed Novice class ham in the Sunset district of San Francisco is getting into the act as well. (Westlink)

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



H.S.C. ELECTRONIC SUPPLY

6819 Redwood Avenue
Cotati, CA
792-2277



H. S. C. ELECTRONIC'S

24-Hour Bulletin Board
300/1200/2400 Baud

COUPON SPECIAL

Bring this ads in for the following specials:

- ** BEARCAT SCANNER BC 100XL
16 Channel with aircraft.
Reg. \$324.79 -- Sale \$199.00.
(limited to stock on hand)
- ** DELCOM HANDHELDS with ad
Sale price \$160.00.
500 MAH Battery Pac with ad
Sale price \$28.00.
(Fits ICOMS, too)
- ** We stock a full line of GORDON
WEST TRAINING TAPES -- 15% off
with this ad!

NEW MFJ 7-MODE
DATA CONTROLLER
MFJ #1278

Due in stock the end of February.
Place your orders now. Don't be
disappointed!

ONLY

\$ 249.95

The Bulletin Board is
now on-line 24 hours
a day. The new phone
number is:

* 527-7734 *

(The old number will be disconnected
soon, so please note new number).

STORE HOURS:

MONDAY TO FRIDAY
9 am to 7 pm

SATURDAY
9 am to 5 pm

SUNDAY
10 am to 4 pm

\$\$\$ SPECIAL \$\$\$

SPECIAL...SPECIAL...SPECIAL

\$\$ Dual Clocks...MFJ 108...\$ 15.95
\$\$ Single Clock...MFJ 107...\$ 7.95
\$\$ CW/Notch Filter
...MFJ 723...\$ 44.95

\$\$ Porta-Sol Butane Soldering
Iron...\$24.95. Great for
FIELD DAY!!

\$\$ ER Soldering Iron 12V for
Lighter Plug...\$ 4.00.

\$\$\$ WITH THIS AD ONLY!! \$\$\$

AMATEUR EXAMS IN NORTHERN CALIFORNIA

PO=PREREG. ONLY.
 PP=PREREG. PERFERRED
 WO=WALK-INS ONLY
 SW=SOME WALK-INS

APRIL

2 SOUTH S.F.-----PP-415-333-1916
 2 CUPERTINO-----WO-408-243-8349
 9 LOS ALTOS HILLS--WO-408-255-9000
 10 PLEASANT HILL---WO-408-255-9000
 10 CHICO-----PP-916-342-1180
 16 CUPERTINO-----WO-408-243-8349
 16 MONTEREY-----WO-408-624-2564
 17 SUNNYVALE-----WO-408-255-9000
 20 EUREKA-----WO-707-442-9245

MAY

7 CONCORD-(DAY-#)--WO-415-254-5090
 7 CUPERTINO-----WO-408-243-8349
 14 LOS ALTOS HILLS--WO-408-255-9000
 14 NEVADA CITY-----WO-916-273-2326
 15 SUNNYVALE-----WO-408-255-9000
 21 CUPERTINO-----WO-408-243-8349

JUNE

4 STOCKTON-----WO-408-255-9000
 4 CUPERTINO-----WO-408-243-8349
 5 PLEASANT HILL---WO-408-255-9000
 5 CHICO-----PP-916-342-1180
 11 LOS ALTOS HILLS--WO-408-255-9000
 11 NOVATO-----WO-415-897-8950
 18 CUPERTINO-----WO-408-243-8349
 19 SUNNYVALE-----WO-408-255-9000

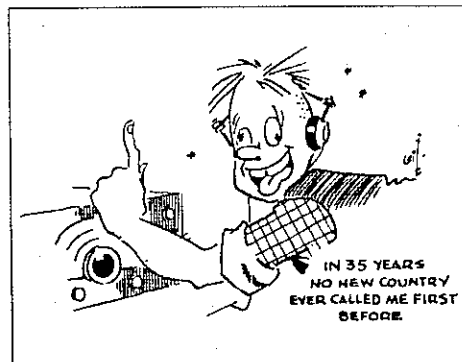
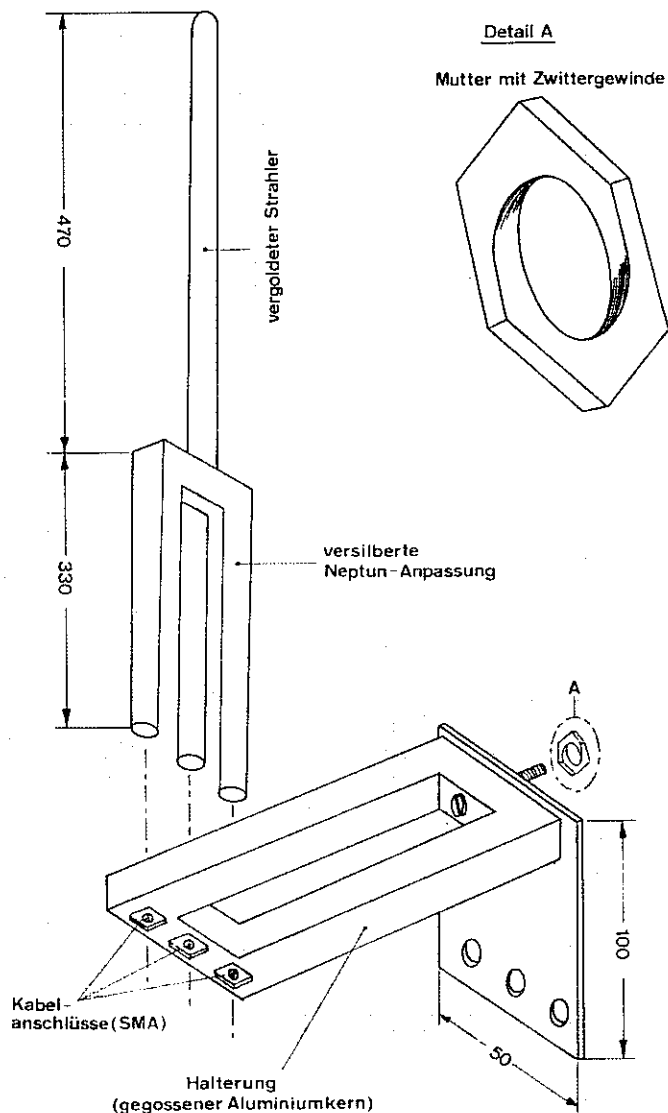
JULY

2 CUPERTINO-----WO-408-243-8349
 3 WATSONVILLE-----WO-408-255-9000
 9 LOS ALTOS HILLS--WO-408-255-9000
 9 CONCORD-(DAY #)--WO-415-254-5090
 9 JACKSON-----PP-209-295-7947
 16 SOUTH S.F.-----PP-415-333-1916
 16 CUPERTINO-----WO-408-243-8349
 17 SUNNYVALE-----WO-408-255-9000

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THE THREE-BAND NEPTUNE ANTENNA

This antenna design appeared in the German ham radio magazine CQ-DL. I thought reprinting it here would be appropriate for this time of the year.



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THE NORTHCOAST IS BACK! With STJOHN:W6AMT-7 operational once again, the Northcoast emerges from behind the Redwood curtain. The path from W6AMT-7 through KE6LF to the Oregon Packet Network is very reliable, and stations may wish to consider using that path for both formal and informal traffic.

It's sure nice to be linked to the rest of California again!
(Tnx KE6LF via N6IIU BBS.)

NETROM HAS BEEN TRASHED. The now-infamous <<<<<-BIGSAW is evidently an illegal copy of NETROM programmed to erase the forwarding files of any other NETROM nodes within radio range. It can propagate itself to other linked networks such as those in Washington, Oregon, and Maryland.

A NEW FEATURE OF NETROM version 1.3 is the ability to call CQ through a distant node. First connect to the node. Then send a USERS command to see if anyone is calling CQ there. To call CQ yourself, type something like: "CQ from Al in Santa Rosa CA." Your CQ remains active for 15 mins. To abort the CQ, either disconnect or issue another command. (N6IIU)

SHOULD DIGIPEATERS BE COORDINATED? Send your thoughts about how digipeater frequency coordination does work, does not work or ought to work to Chairman, ARRL Committee on A. R. Digital Communication, 225 Main St, Newington, CT 06111. (Gateway)

Thanks to the N6IIU bulletin board and the ARRL Gateway newsletter for permission to reprint.



----- HANK'S SWAP SHOP -----

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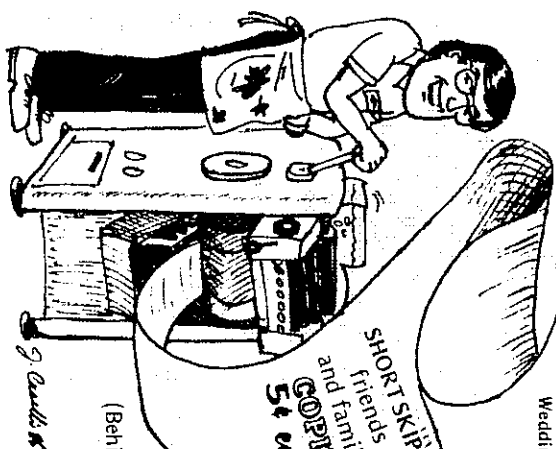
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