

Coming Events

June

25th SCRA Field day setup - Youth Park, Santa Rosa

26th & 27th ** Field Day **

July

7th SCRA Club Meeting 7.30pm - Hewlett Packard 1400 Fountain Grove Parkway

10th SCRA Fox Hunt 9.00am - Piner High School, Fulton Rd, Santa Rosa

14th SCRA Board Meeting 5.30pm - 8979 Conde Lane Windsor

17th SCRA VE Exam - 9.00am Hewlett Packard 1400 Fountain Grove Parkway Talk-in
146.730

Sonoma County Radio Amateurs, Inc.
PO Box 116
Santa Rosa CA 95402-0116

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Club Station
W6LFJ

Short Skip

Sonoma County Radio Amateurs, Inc.

PO Box 116, Santa Rosa, CA 95402-0116

146.730 MHz • 224.48 MHz • 441.375 MHz



Repeater Station
W6SON

Volume 24 Number VI

June 1999

Become the 'Ultimate' Dx'er

Join the SCRA in the search for Extraterrestrial Intelligence!

By Jeff Basham KF6TGQ, Larry Gustafson KD6VUM, Wesley Chapman K7DXG

Larry KD6VUM and I (KF6TGQ) have created a SCRA SETI team. SETI is an acronym for Search For Extraterrestrial Intelligence. The project is based at UC Berkeley. SETI@home is a scientific experiment that will harness the power of hundreds of thousands of Internet-connected computers in the Search for Extraterrestrial Intelligence (SETI). There's a small but captivating possibility that your computer will detect the faint murmur of a civilization beyond Earth.

How SETI@home works

Story by Ron Hipschman

The Problem — Mountains of Data

Most of the SETI programs in existence today, including those at UC Berkeley build large computers that analyze that data from the telescope in real time. None of these computers look very deeply at the data for weak signals nor do they look for a large class of signal types. The reason for this is because they are limited by the amount of computer power available for data analysis. To tease out the weakest signals, a great amount of computer power is necessary. It would take a monstrous supercomputer to get the job done. SETI programs could never afford to build or buy that computing power. There is a trade-off that they can make. Rather than a huge computer to do the job, they could use a smaller computer but just take longer to do it. But then there would be lots of data piling up. What if they used LOTS of small computers, all working simultaneously on different parts of the analysis? Where can the SETI team possibly find thousands of computers they'd need to analyze the data continuously streaming from Arecibo? The UC Berkeley SETI team has discovered that there are already thousands of computers that might be available for use. Most of these computers sit around most of the time with toasters flying across their screens accomplishing absolutely nothing and wasting electricity to boot. This is where SETI@home (and you!) come into the picture. The SETI@home project hopes to convince you to allow us to borrow your computer when you aren't using it and to help us "...search out new life and new civilizations." We'll do this with a screen saver that can go get a chunk of data from us over the internet, analyze that data, and then report the results back to us.

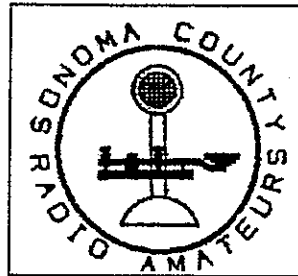
Continued on page 3

1999 Club Officers

PRESIDENT	Larry Gustafson	KD6VUM	523-0266
VICE-PRESIDENT	Stephen Brinck	KF6RCH	415-693-7095
SECRETARY	Bill Hillendal	KH6GJV	538-0331
TREASURER	Joel Nadler	KJ6LF	545-1782
MEMBERS-AT-LARGE	Brian Torr	N6IY	575-5871
	Jim Cardillo-Lee	KE6VGV	
REPEATER CHAIRMAN	Kelly Cureton	KD6CJQ	837-9434
ACTIVITIES	Greg Gordon	AC6VJ	523-7077
PUBLIC SERVICE	John Mullen	KD2LQ	575-9176
PAST PRESIDENT	Dave New	AA6YX	820-6608

SHORT SKIP STAFF

EDITOR	Wesley Chapman	K7DXG	206-0669
CIRCULATION	Ken Harrison	N6MHG	539-2701
AUDIO TAPING	John Breckenridge	WB6FRZ	
	Laurel Meyer	KC6FKX	
	Bob Phillips	N6RMW	
	Ken Harrison	N6MHG	
SWAP SHOP EDITOR	Ken Harrison	N6MHG	
SCRA Webmaster	Ken Harrison	N6MHG	
Assistant Webmaster	Claude Jones	AB6OL	



CLUB MEETINGS

7:30pm on the first Wednesday of each month at the Hewlett-Packard plant in SANTA ROSA. See map below.

ALL ARE WELCOME!!

We invite you to attend our next monthly meeting. Membership in SCRA is open to anyone interested in Amateur Radio. If you would like to join, there is a membership application in this issue.

SCRA HOTLINE: 707-579-9608

Web Address: <http://cds1.net/scra>

Short Skip On-line: <http://cds1.net/shortskip>

Next Meeting: July 7th
7:30pm
Dayton Hamfest

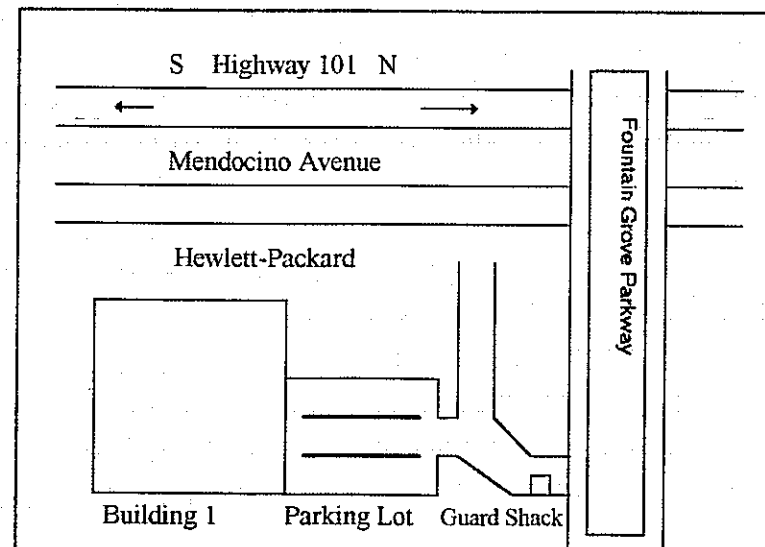
Tuesday Night Net

Check into the Tuesday Night SCRA net on the 146.73 repeater at 7:00pm. Announcements of upcoming SCRA activities, a Swap Shop, and the latest Amateur Radio News line broadcasts can be heard.

Short Skip Advertising Rates

Business Cards:	\$10
First Quarter Column:	\$11
Each Additional Quarter Column	\$ 3
Full Page, one side	\$32
Pre-printed inserts	\$32/sheet

Guaranteed Circulation of 200 per month.



Short Skip is published monthly by the Sonoma County Radio Amateurs, Inc. Permission to reprint articles is granted, provided the source is properly credited. Items printed do not necessarily represent the views of the SCRA and/or its editors. Letters, photos, and articles sent to the editor are subject to editing, publication, or rejection at the discretion of the editor.

CONTACTS

ARRL Public Relations	Steve Carniglia	KV6A	579-9608
QSL Manager	Fred Leoni	N6YEU	431-8202
TVI/RFI	Al Bloom	N1AL	538-7115
Field Day	Greg Gordon	AC6VJ	523-7077
Education	Greg Gordon	AC6VJ	
VEC Exams	Bill Kinder	KO6ZG	894-9591
Refreshments	Ted DeCroff	KB6PTA	
Meeting Raffle	Ken Harrison	N6MHG	
Membership Lottery	Jeff Basham	KF6TGQ	575-9354
Activities/Foxhunts	Greg Gordon	AC6VJ	523-7077
Antenna Ordinance/Legal	Lee Dibble	KE6EAQ	

PROTECT OUR**AMATEUR RADIO****Repeater Control Op's**

Kelly	KD6CJQ	837-9434
Ken	N6MHG	539-2701
Steve	KV6A	579-9608
Merl	N6VUC	584-3898
Joel	KJ6LF	545-1782
Larry	KD6VUM	523-0266

Application for Membership in SCRA

Name _____ Call sign _____ License Class _____

Address _____ Phone _____ Date _____

City _____ Zip _____ E-mail _____

☐ New ☐ Renewal

SCRA Dues: The renewal date is March 1st. Dues are \$18/year for individuals and \$27/year for families. New member initiation (badge) fee is \$6/person. New member dues are prorated at \$1.50/month for individuals and \$2/25 per month for families starting at renewal time.

ARRL Dues: \$34/year or \$28/year for seniors with proof of age. (Under 21 rates require application form.)

Make checks payable to SCRA**I WOULD LIKE MORE INFORMATION ABOUT:**

- | | |
|--|--|
| <input type="checkbox"/> Public Service Events | <input type="checkbox"/> Helping with SCRA Flea Market |
| <input type="checkbox"/> Emergency Services | <input type="checkbox"/> Acting as Net Control Station |
| <input type="checkbox"/> Taking a Novice or Technician class | <input type="checkbox"/> Helping with VEC license exams |
| <input type="checkbox"/> Teaching a Novice or Technician class | <input type="checkbox"/> Field Day and other operating events |
| <input type="checkbox"/> Taking an upgrade class | <input type="checkbox"/> Helping with <i>Short Skip</i> (newsletter) |
| <input type="checkbox"/> Teaching an upgrade class | <input type="checkbox"/> Other _____ |

BADGE (New Members Only)

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

Call sign _____

First Name _____

City: _____

Auto slot Request: Licensed SCRA members are entitled to a repeater auto slot. Fill in the information below to apply and send the form to: SCRA, PO Box 116, Santa Rosa CA 95402

Name: _____

Call sign: _____

Phone Number: _____

Sonoma County Radio Amateurs, Inc. Board of Directors Meeting 6-9-99

MINUTES

Board Members Present: Larry Gustafson KD6VUM, Steve Brink KF6RCH, Bill Hillendahl KH6GJV, Joel Nadler KJ6LF, Jim Cardillo-Lee KE6VGV, Greg Gordon AC6VJ and John Mullan KD2LQ.

Board Members Excused: Brian Torr N6IHY

Board Members Absent: Kelly Cureton KD6CJQ, Wes Chapman K7DXG and Dave New AA6YX.

Guests Present: Bill McCall KF6VNR and Sue Mullan.

1. Call to Order. Verification of Quorum, Introductions - The meeting was called to order by Vice President Steve KF6RCH at 5:43 PM. The meeting was held at the Bank of the West meeting room at Guerneville and Marlow Roads. A quorum was present in that seven of the ten voting board members were present.

2. Approval of Minutes - Bill KH6GJV moved that the minutes of the Board meeting of May 12, 1999, be approved as amended. The motion passed unanimously.

3. Officer & Director Reports

- a. Treasurer
 - i. Current Financial - Joel KJ6LF reviewed the income, expenses and balances in the club accounts. Steve KF6RCH moved that the Treasurer be authorized to purchase 60 first class postage stamps. The motion passed. John KD2LQ moved that the Treasurer be reimbursed for the Quicken accounting software update. The motion passed.
- b. Officers - No reports.
- c. Directors - No reports.

4. Committee Reports

- a. Activities Committee
 - i. Field Day 6/25-27 - Bill and Larry will co-ordinate office supplies for FD. Public Service Announcements were given to Ted KB6PTA to give out to radio stations. The county communications trailer 2929 (formerly OES-1) will not be available. It is being reworked. Six tables, ten chairs, the generator, two BBQs and a grill will be obtained from Big 4 Rents. Larry will purchase the EZ-Up canopy approved by, but not purchased by last year's BoD. Setup will be on Friday the 25th starting at 2 PM. Larry, Joel and Jeff KF6TGQ will be staying over Friday night to watch the equipment. John KD2LQ showed a Timex large digit clock that might be modified to show 24-hour time. Joel KJ6LF moved that the club purchase five MFJ Dual-Time clocks. The motion did not pass. Joel KJ6LF moved that the club purchase six clocks, either Timex if they can be modified to display 24-hour format or MFJ single display clocks. The motion passed. John KD2LQ said that he will be shopping for the food on Thursday before FD.
 - ii. Swap Meet - Jim KE6VGV reported that the Petaluma Marina office building is not available. Greg AC6VJ said that the Petaluma Poultry Products lot may be available. Food service by Richardson's Ribs was out. Willie Bird's did not reply. Jim KE6VGV will check on a catering truck suggested by Joel and on using Luchese Park.
 - iii. Repeater Steering Committee - Lee Dibble KE6EAQ is Chairman. Next meeting will be on Thursday, July 8th at 6:30 PM at Round Table Pizza by Coddington.
 - iv. PCAM Special Event - Aug 21/22 - Co-ordinated by EARS. No report.
 - b. Newsletter - Wes Chapman K7DXG - Wes was not present to make a report.
 - c. Public Service Committee - John KD2LQ reported the following events:
 - June 20th - Mini-Vineman - Starts at 6 AM on Sunday. Information will be sent to volunteers shortly.
 - June 26th - Terrible Two - Event seems to be staffed.
 - July 31st - Full Vineman
 - September 26/27th - Waves to Wine
 - d. Repeater Committee - No one was present to make a report.
 - i. Net Control Operators for the Weekly Net - 6/15 RMW, 6/22 IY, 6/29 LF, 7/6 VGV, 7/13 TGQ, 7/20 RMW, 7/27 RCH, 8/3 VUM, 8/10 VGV, 8/17 RMW, 8/24 VNR, 8/31 LF

5. Unfinished Business

- a. Meeting Programs - July - Dayton Hamvention; August - Repeater Resources. Future program ideas - Member Shacks and Use of the Club's Spectrum Analyzers.
- b. Club Calendar - No changes.
- c. Storage of Club Property
 - i. Storage Facilities - Larry has most of the property at this time. He has not had the opportunity to explore the offer of free storage made by a club member. He will continue working on this issue.
- d. Club Property Inventory - Steve KF6RCH will start updating the inventory at Field Day.
- e. Club Stationary - Bill KH6GJV reported that he had found about a ream of old letterhead with the old WB6PVS callsign on it and envelopes. The BoD members asked Bill to get a price on new letterhead.
- f. Dipole Antenna Purchase - Joel reported that the W9INN was going out of service for about sixty days. The antenna will be made and shipped late in the Summer.
- g. Club Shirts/Logo - Larry KD6VUM had the logo screens made for silk-screening shirts. Cost of a printing run will depend on the number of shirts. No one presented shirts from the Spring Bud Break for printing. The issue of screened versus embroidered logos was discussed. Bill KH6GJV will look into who made the embroidered club patches and if the program was available to sew on to shirts.

6. New Business

- a. Board Retreat - The BoD members felt that there was no need for a mid-year retreat.
- b. New BoD Meeting Place - Bill McCall KF6VNR offered his conference room as a meeting place. There being no objections, the BoD agreed to use the conference room and thanked Bill McCall. Larry KD6VUM asked the BoD members to indicate whether a 6 or 6:30 PM meeting time was better. The preference was for 6:30 PM. The BoD meetings will continue to be held on the second Wednesday of each month, but will be located at the offices of Masters Touch Mortgage, 8979 Conde Lane, Windsor, CA. The meetings will start at 6:30 PM.
- c. Magnetic Signs - Bill KH6GJV discussed some magnetic signs that he had seen at Dayton. The signs promote amateur radio and the special event/emergency communications services that the ham community provides. They can be produced with the club logo. Members in the past have asked for such signs. Bill will bring in samples to the next meeting.

7. Announcements - None

8. Adjournment - The meeting was adjourned at 7:45 PM

Sonoma County Radio Amateurs, Inc.



A note from the editor

CQ, CQ, CQ DE K7DXG...

Hi everyone, I'm looking for someone with artistic talents who would be interested in drawing stuff for Short Skip. I am going to purchase a scanner soon and I see great potential. If you're interested please contact me at 707-206-0669 (weird prefix but it is a local call) or by E-mail: westerly@pacbell.net 73's and Thanks!!! ☺

Continued from front page...

When you need your computer back, our screen saver instantly gets out of the way and only continues it's analysis when you are finished with your work. It's an interesting and difficult task.

There's so much data to analyze that it seems impossible! Fortunately, the data analysis task can be easily broken up into little pieces that can all be worked on separately and in parallel. None of the pieces depends on the other pieces. Also, there is only a finite amount of sky that can be seen from Arecibo. In the next two years the entire sky as seen from the telescope will be scanned three times. We feel that this will be enough for this project. By the time we've looked at the sky three times, there will be new telescopes, new experiments, and new approaches to SETI. We hope that you will be able to participate in them too!

If you are interested in participating in this project as part of the SCRA team, please visit the SETI@home web site to download the software. The software is available for Windows, Macintosh, and UNIX. After you download the software, during the installation process you will create an account. You will then have to get your password by visiting:

<http://setiathome.ssl.berkeley.edu>

After having your password emailed to you, return to the SCRA SETI Team Page at: <http://setiathome.ssl.berkeley.edu>, click on Groups, go to the bottom of the page and run a search for SCRA. Once our club is located, the statistics and members are listed. Click 'Join This Group', you will be asked for your email address and password. After completing the form with that information, you will be participating as part of the SCRA SETI Team.

See you at the next general meeting!

Hank's Swap Shop FOR SALE:

FREE! - Two 220 MHz beam antennas. Pick up ONLY.

Contact Rick, K6ZWB @ 707-575-4455

Compaq Presario 7232 Computer - 120

MHz., 1.2 Gig HD, 75 Meg of mem. CD Rom, 1.44 FD., 28.8 Modem, Packard Bell Monitor with Amp. and speakers mounted on sides of monitor, Super Good Phone system answering mach. Fax, Also a Epson Stylus IIs Color Printer. \$400.

Contact Bill, KA6JLP @ 707-823-5652 or email: billkik@msn.com

Swan Astro 102BX SSB/CW transceiver.

160-10 meters (no WARC). Can do split operation, 100 watts output, all factory updates, with matching PSU-6 power supply/speaker unit. 110/220 vac. \$500. INDEX LABS QRP+ SSB/CW transceiver, 5 watts (adj.) QRP rig. All band receiver with transmit on all bands, internal keyer, digital display, memories, w/mic. \$420. DENTON 160-40V Vertical Antenna for 160 through 40 meters. Unused. \$30. ICOM IC-735 SSB/CW transceiver, 100 watts, general coverage receiver, 160-10 meters including WARC bands, narrow CW filter, w/matching PS-55 power supply. \$725.

Contact Ken, N6KM @ 707-938-2626 or email: kmct@vom.com

HyGain 153 BAS 3 element, 15 meter mono

band yagi. \$25. ICOM IC-751A HF transceiver. \$500. Contact John, W6TLK @ 707-833-1873 or email: jwallack@jps.net

TRI-EX Tower - Model LM-470D. Weight

1148 lbs. Height extended 70'. Height nested 23'6". Self supporting Ham and Industrial Crankup with 40:1 ratio winch. Top section can accommodate Ham-IV or prop pitch motors. Can support 16 sq ft @ 60 MPH. Down and ready to move. \$2000 /BO. Contact Bill, N6GHG @ 707-431-8636

WANTED:

No wants at this time.

SCRA INCOME AND EXPENSES

5/21/99 - 6/13/99

ASSETS AS OF 5-21-99**CASH AND BANK ACCOUNTS**

SCRA CHECKING	3333.91
SCRA PETTY CASH	96.62
SCRA SAVINGS	1543.14

TOTAL CASH AND BANK ACCOUNTS \$4973.67**INFLOWS**

ARRL INC	28.00
DONATION INCOME	6.65
DUES	85.50
REFRESHMENT INC	10.35
SHORTSKIP INC	10.00

TOTAL INFLOWS \$140.50**OUTFLOWS**

ACTIVITIES: FIELD DAY	157.67
ARRL MEMBERSHIP	26.00
BADGES, NEW MEM	40.68
BADGES, REPLACE	5.38
OVERHEAD:	
MISCELLANEOUS	10.00
OFFICERS' EXP	19.80
REFRESHMENTS	11.97
REPEATER: PHONE	19.58

TOTAL OUTFLOWS \$291.08**ASSETS****CASH AND BANK ACCOUNTS**

SCRA CHECKING	3191.33
SCRA PETTY CASH	88.62
SCRA SAVINGS	1543.14

TOTAL CASH AND BANK ACCOUNTS \$4823.09**More on the K7IJ Repeater**

ARRL PACIFIC DIVISION UPDATE

JULY 1999

by Brad Wyatt, K6WR, Director, Pacific Division, ARRL

[UPDATE] OAKLAND, CA: The FCC has dismissed the pending Amateur Radio application of James C. Walker, formerly KF6VAA. In February, the FCC had set aside Walker's Technician class grant in conjunction with the K7IJ repeater shutdown, alleging that Walker had transmitted on the K7IJ repeater before getting his amateur license. In a letter to Walker May 26, FCC Legal Adviser Riley Hollingsworth, K4ZDH, dismissed Walker's still-pending Technician application. Hollingsworth said the Commission had evidence that, despite the setback, Walker had continued to transmit on amateur frequencies using KF6VAA and had been operating on the WA6SEK 145.21 MHz repeater in the Stockton, California, area. Walker was warned May 20 about that operation. Hollingsworth issued a second warning notice for unlicensed radio operation in his May 26 letter. He said that if Walker later reapplies for an amateur license, he would have to attest that he had ceased unlicensed operation. Hollingsworth also said that the FCC wants to resolve issues related to Walker's operation on the K7IJ and WA6SEK repeaters before it entertains another amateur application from Walker. Hollingsworth said that Walker could face criminal prosecution if he operates radio transmitting equipment again without a license. The call sign KF6VAA no longer appears in the FCC database.

BASHAM'S ELECTRONIC SUPPLY

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(2 Doors West of Dutton Ave.)

Mon.-Fri. 8:00-5:30
Saturday 9:00-12:00
Sunday Closed

Steve Basham
OWNER

(707) 527-8000
(800) 875-7557
Fax (707) 527-1368

Membership Meeting 6-2-99**MINUTES**

1. Call to Order, Verification of Quorum - The meeting was called to order by President Larry Gustafson KD6VUM at 7:40 PM at the Santa Rosa HP facility. There were 37 people present.
 - a. Introductions
 - i. Officers & Directors - The club officers and directors introduced themselves.
 - ii. Guest Speaker - Field Day presentation by club members.
 - iii. Visitors - Betty Brown WA6KQC introduced herself.
 - iv. New Calls & Upgrades - Andy Goldstein KF6TYQ upgraded to Advanced and changed his callsign to KR6BF.
2. Approval of Minutes - Bill Hillendahl KH6GJV read the minutes of the May 5, 1999, meeting. Bill moved that the minutes of the May 5, 1999, meeting be approved as read. The motion passed.
3. Officer & Director Reports
 - a. Treasurer - Joel Nadler KJ6LF reported the current club account balances, and, the income and expenses for the last reporting period. No one ordered a new callbook CD. Joel also asked if anyone knew of a meeting place for the Board of Directors. The Bank of the West branch was moving and the meeting room would no longer be available. Bill McCall KF6VNR offered the conference room at his office in Windsor. Location: Masters Touch Mortgage, 8979 Conde Lane, Windsor.
 - b. Officers - None.
 - c. Directors - None
4. Committee Reports
 - a. Activities Committee - Greg Gordon AC6VJ announced the coming events. 6/3 Repeater Steering Committee at Round Table Pizza on Montecito Blvd. at 6:30 PM; 6/6 Livermore Swap Meet; 6/12 Foothill Swap Meet; 6/16 REDXA meeting at Petaluma Carrows at 7 PM; 6/26-27 Field Day
 - i. Field Day - John Mullan KD2LQ circulated a signup sheet for Field Day meals. The menu will be chicken and ribs. Pre-event dinner sales are now open at \$8 per meal. Cost the day of the event will be \$10. Dinner will be at 6 PM on Saturday and breakfast will be at 8 AM on Sunday. Larry KD6VUM will be getting the media information out. Larry said that with the county communications trailer not being available that the club needed to purchase another tent for VHF/UHF operations. Bill KH6GJV moved that the club purchase another tent. The motion passed.
 - b. Newsletter Editor - No report. Members were invited to submit articles of interest to the membership.
 - c. Public Service - John Mullan KD2LQ took signups for the 6/20 Mini-Vineman and the 6/26 Terrible Two bike race. The Mini-Vineman starts at 6 AM. The TT starts at about 7 AM. John needs volunteers to help out from 5 to 10 PM on the TT.
 - d. Repeater Committee - Kelly Cureton KD6CJQ reported that he and Ken Harrison N6MHG had spent time at the Sonoma Mountain site last Monday. The 440 repeater transmitter power was bumped up to about 60 watts. The Uniden transceiver needs to come off the site to have the frequency drift problem fixed. He expressed concern about a repeater in the Sacramento Valley area that shares the same frequency conflicting if the repeater is off the air for too long. The 220 repeater was cleaned and is now operating better. It has a power output of about 55 watts and the antenna shows an SWR of 1.3 to 1. Kelly also reviewed how to deal with jammers on the air.
5. Unfinished Business
 - a. QSL Cards - Larry KD6VUM laid out QSL cards that had been received. Larry encouraged members to pick up the cards of stations that they had worked for their own collections. Some of the cards date back to the 1996 Alcatraz trip.
6. New Business - None.
7. Show & Tell - Jeff Basham KF6TGQ showed a dualband telescoping antenna for HTs by Pryme. The antenna sells for about \$35.
8. Recess - The meeting went into recess at 8:24 PM and resumed at 8:43 PM.

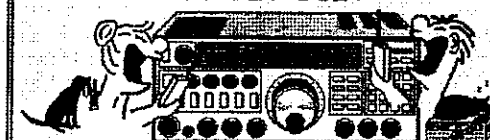
9. Program - Field Day - Larry KD6VUM made a presentation on the Field Day layout and setup at Youth Park. Brian Torr N6IIV showed the membership the logging and "duping" process.
10. Raffle
 - a. Regular - The raffle was not conducted.
 - b. Membership - The membership raffle was conducted. Greg Gordon AC6VJ was drawn. Greg was present and won 6.65.
11. Announcements
 - a. Next Program - The program for the July meeting will be on the Dayton Hamvention.
 - b. Board Meeting next Wednesday at Bank of the West, Guerneville and Marlow at 5:30PM.
 - c. Andy KR6BF asked for help obtaining 20 wpm code tapes. John Breckenridge WB6FRZ offered his help.
 - d. Rich Freitas KF6SZA announced that the Empire Amateur Radio Society was co-ordinating a trip to the Rail Fair '99 in Sacramento on Saturday, June 19th. They will be leaving the east Macy's parking lot at Coddington at 8 AM. Everyone is responsible for their own tickets.
 - e. Al Bloom N1AL has an article in the most recent edition of QST.
 - f. Ken DeBrecht WB6NOV spoke about the new radio club forming on the Red Oak Victory ship in Richmond. They currently have about 12 members. Ken also reported that a website was up for the USS Hornet radio club.
 - g. Larry KD6VUM showed the new president's badge. A similar Life Member badge is available. All past presidents and life members are eligible to receive a badge at club expense. Contact the club Secretary to order.
12. Adjournment - The meeting was adjourned at 9:47 PM.

Operate with NO transmitter or antenna in your mobile home, apartment or antenna restricted residence!!!!

The *Full Duplexers* club

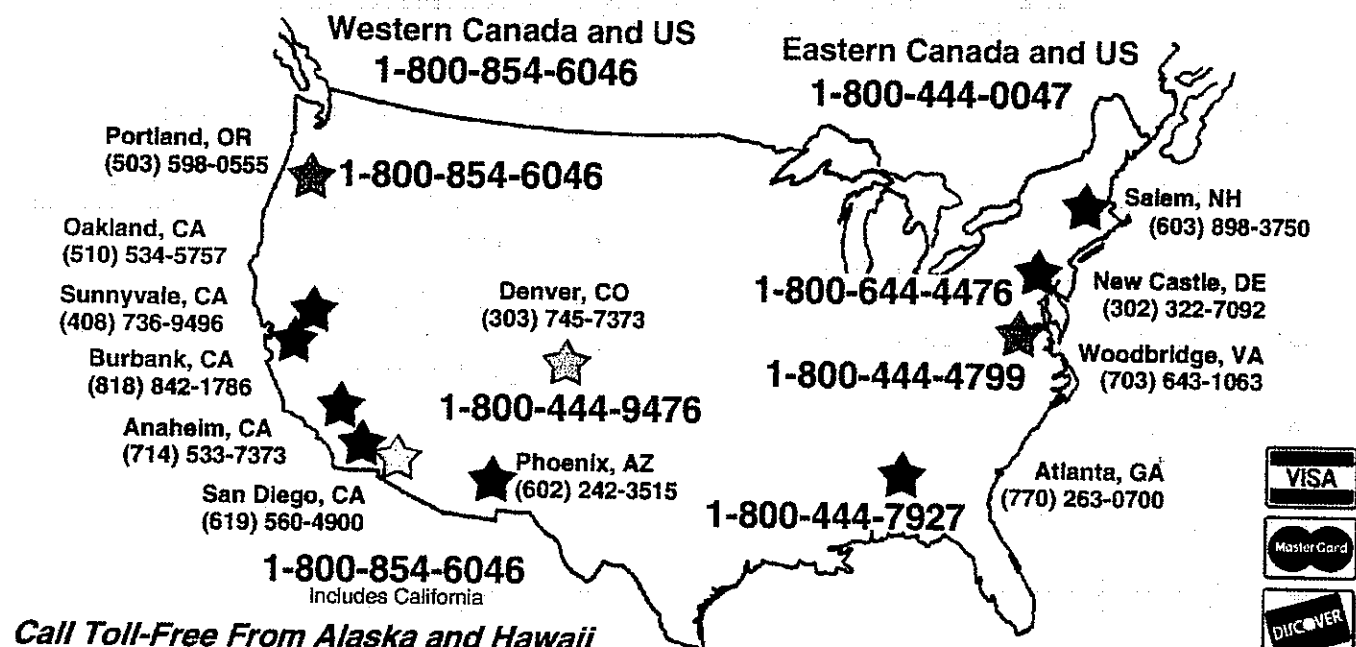
www.jps.net/radions/amateur.htm

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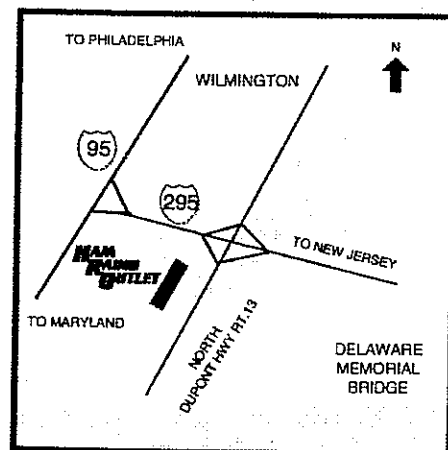
If your closest 800 number is busy, please call one of our other numbers.

Phone Hours: 9:30 AM to 5:30 PM Monday - Saturday



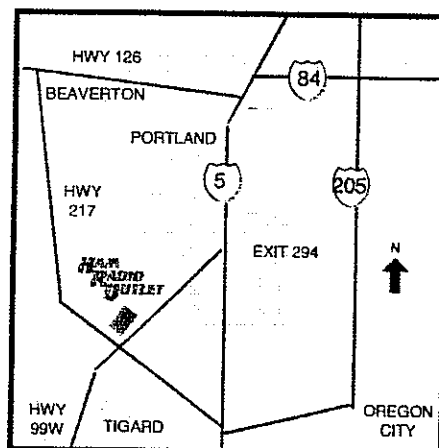
24-Hour Internet Ordering: <http://www.hamradio.com>

24-Hour FAX Order Lines: At All 12 Locations



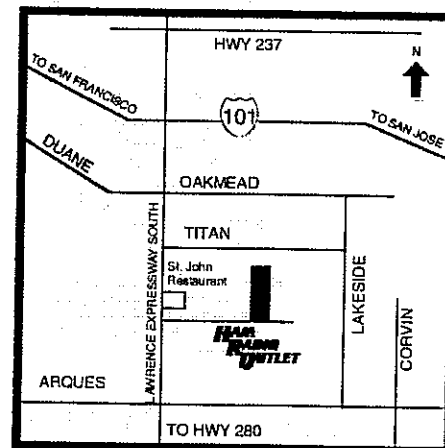
NEW CASTLE, DE 19720
1509 North Dupont Hwy, US13
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(800) 644-4476
24 Hour Fax (302) 322-8808

Bob N9GG Mgr
Jimmy KA3LLL
Rick K3TL, Glenn N3WIM
Gene K1NR,
Joe K13B, Eli



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(800) 854-6046
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Jack KG7LX Mgr
Rene K7YG
Rich K1K7PL
Ron W7ATX



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Ken K1ZKM Mgr
Jack AC6FU
Rob W6KR
George WB6DSV
Roy W6II, Jim W6KVA
Jon, Harry KR6RR

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Participating CEPT countries as of June 7, 1999, include Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France (including Corsica, Guadeloupe, Guiana, Martinique, St Bartholomew, St Pierre et Miquelon, St Martin, and Reunion/Dependencies), Germany, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Monaco, Netherlands, Norway, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom (including Great Britain, Northern Ireland, the Channel Islands, and the Isle of Man). For updates, visit the ERO Web site, <http://www.ero.dk> and click on "Implementation," then "Decision/Recommendation," then "T/R-61-01".

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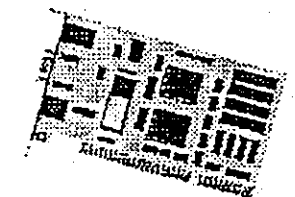
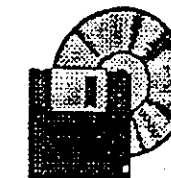
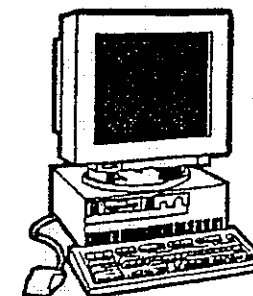
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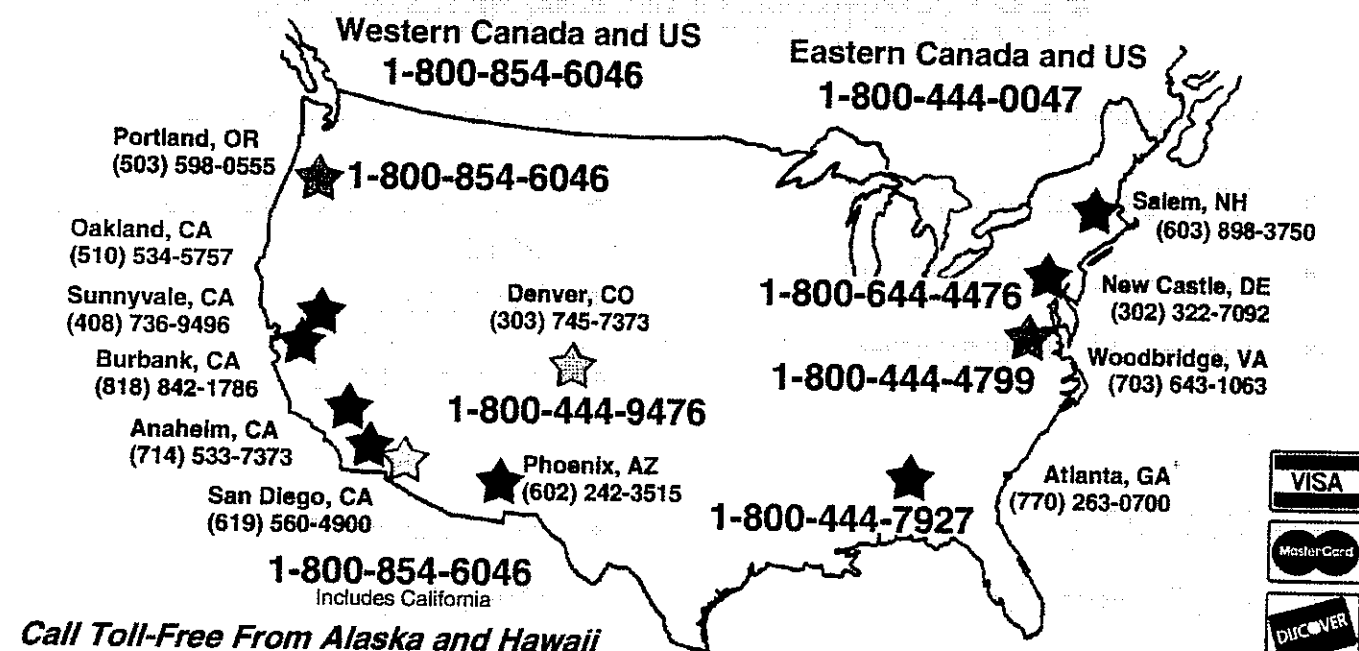
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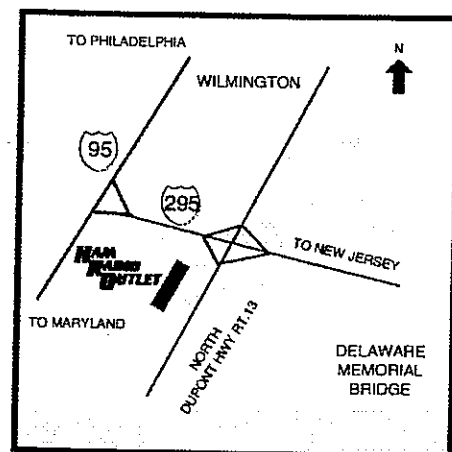
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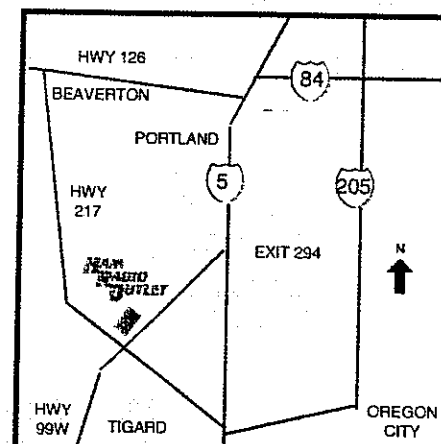
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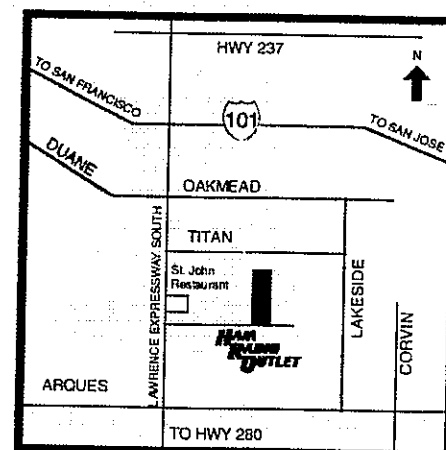
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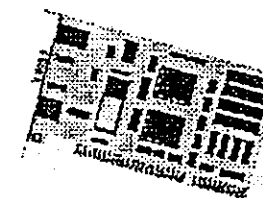
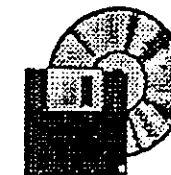
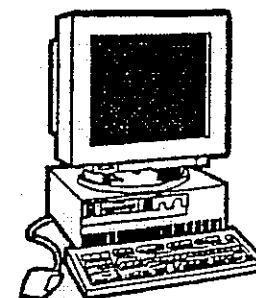
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