

Coming Events

October

- 6th SCRA Club Meeting 7.30pm - Hewlett Packard 1400 Fountain Grove Parkway
9th SCRA Fox Hunt 9.00am - Piner High School, Fulton Rd, Santa Rosa
VE Exam Marin
13th SCRA Board Meeting 5.30pm - 8979 Conde Lane Windsor

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

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Club Station
W6LFI

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 X

October 1999

ARISS INITIAL HARDWARE FLIGHT DELAYED

The recent grounding of the US space shuttle fleet will delay launch of the initial station hardware for Amateur Radio on the International Space Station. But pre-launch processing of Amateur Radio equipment bound for the ISS remains on schedule. The gear had been scheduled to launch in December aboard STS-101. With the shuttle launch hiatus, it now won't go up at least until late January and probably not until February.

NASA managers said this week that additional delays could result from the effects of Hurricane Floyd. NASA grounded the shuttles to allow a detailed inspection of electrical wiring on the entire shuttle fleet. The inspections come in the wake of problems during the July launch of the shuttle *Columbia*, when astronauts and ground controllers struggled with power failures in computers controlling two of the orbiter's three main engines. According to news accounts, the shuttle was one short circuit away from an emergency abort.

An electrical problem later in the same mission initially caused a Space Amateur Radio EXperiment school contact to be rescheduled. A orbiter power outlet subsequently was determined to be faulty.

So far, inspectors have found dozens of electrical defects on shuttles *Endeavour* and *Discovery*. Comprehensive inspections of *Columbia*--the oldest orbiter--and *Atlantis*--the one that will carry the initial ham gear to the ISS--get under way later this month, NASA says. "They have found about 64 problems among the four orbiters," said SAREX Principal Investigator Matt Bordelon, KC5BTL. With a scheduled Leonids meteor shower hiatus and holiday breaks already factored in, STS-101 won't go until January 22 at the very earliest, Bordelon said.

"We delivered our internal amateur hardware back in July, so nothing changes there," he said. The ARISS antenna hardware is due for fall delivery to be stowed aboard STS-101 for flight. "It's about a month or two delay," he said of the STS-101 launch. "I would expect it probably would not be launched until February."

On the other hand, "everything is pretty much on schedule as far as the ham radio hardware is concerned," Bordelon said. "There is no impact to our schedule. We're just moving along."

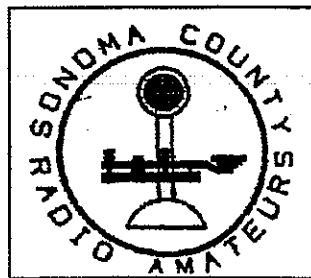
For more information on ARISS, visit <http://garc.gsfc.nasa.gov/~ariss/ariss.html>



The ARISS initial amateur gear in a NASA "soft stow" bag. The bag protects the gear during flight and transfer from the shuttle to the ISS. [NASA photo]

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			



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.

SHORT SKIP STAFF

EDITOR	TBA		
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	

SCRA HOTLINE: 707-579-9608
 Web Address: <http://cds1.net/scra>
 Short Skip On-line: <http://cds1.net/shortskip>

Next Meeting: October 6th
7:30pm
 Remote signal monitoring in CATV systems.
 John Mullen KD2LQ

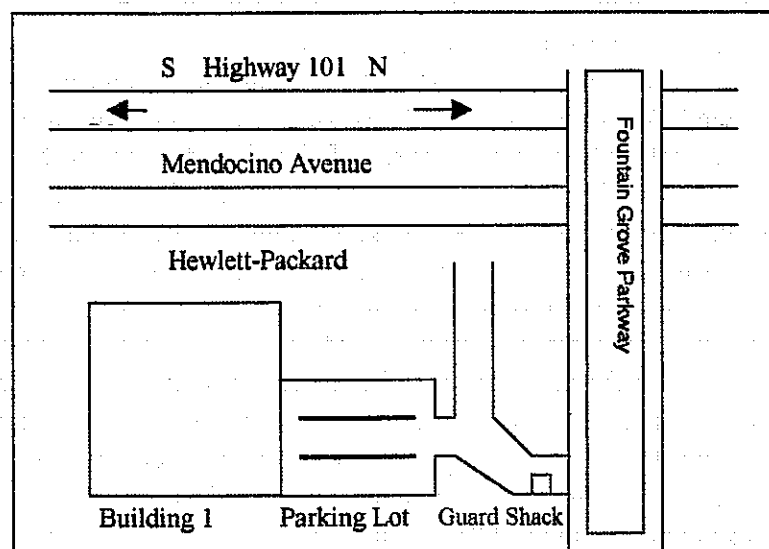
Tuesday Night Net

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

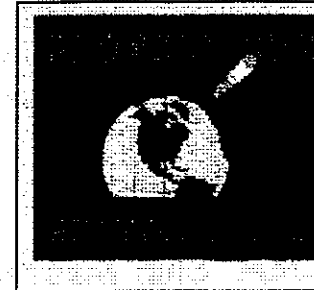
Guaranteed Circulation of 200 per month.



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	W2JAB	575-9354
Activities/Foxhunts	Greg Gordon	AC6VJ	523-7077
Antenna Ordinance/Legal	Lee Dibble	KE6EAQ	



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:

- Public Service Events
- Emergency Services
- Taking a Novice or Technician class
- Teaching a Novice or Technician class
- Taking an upgrade class
- Teaching an upgrade class
- Helping with SCRA Flea Market
- Acting as Net Control Station
- Helping with VEC license exams
- Field Day and other operating events
- Helping with *Short Skip* (newsletter)
- 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 9-8-99

MINUTES

Board Members Present: Larry Gustafson KD6VUM, Steve Brink KF6RCH, Bill Hillendahl KH6GJV, Joel Nadler KJ6LF, Greg Gordon AC6VJ, Brian Torr N6IYY, Jim Cardillo-Lee KE6VGV, John Mullan KD2LQ and Kelly Cureton KD6CJQ.

Board Members Absent: None.

Guests Present: Jeff Basham W2JAB and John Breckenridge WB6FRZ.

1. Call to Order, Verification of Quorum, Introductions - The meeting was called to order by club President Larry KD6VUM at 6:37 PM. The meeting was held at the offices of Master's Touch Mortgage, 8979 Conde Lane, Windsor. A quorum was present in that nine of the nine voting board members were present.
 2. Approval of Minutes - Bill KH6GJV moved that the minutes of the Board meeting of August 11, 1999, be approved as printed in Shortskip. The motion passed unanimously.
 3. Officer & Director Reports
 - a. Treasurer
 - i. Current Financial - There being no objection, the Treasurer's report was deferred until the next meeting. The status of club accounts was detailed in the last Shortskip. Joel KJ6LF noted that the club's postage account for the newsletter mailing needed to be replenished. Bill KH6GJV moved that \$150 be added to the account. The motion passed.
 - b. Officers - Steve KF6RCH reviewed the inventory listing. He noted that the soccer ball had not been returned. It supposedly is in the possession of Stacey Durham KF6NKF. Jeff Basham W2JAB said that he will call her to try to get the ball back.
 - c. Directors - None.
 4. Committee Reports
 - a. Activities Committee - Greg Gordon AC6VJ
 - i. Swap Meet - There being no objection, this agenda item will be discussed after the rest of the agenda items.
 - ii. Repeater Steering Committee - There being no objection, this item was deferred until the next meeting due to the length of the meeting agenda. Greg AC6VJ asked if there was phone line capability at the English Hill location of the backup 6.73 repeater. Kelly KD6CJQ said that he would look into it and report back to the board.
 - b. Newsletter - Henry Tate KE6ORF announced at the membership meeting that he would take over as editor of Shortskip. Henry was not present to make a report.
 - c. Public Service Committee - John KD2LQ reported the following events:
 - i. 9/19 Clo's Classic - all day; John needs a couple of more operators.
 - ii. 9/25-26 Waves to Wine; John said that he needs quite a few operators for the two day event.
 - d. Repeater Committee - Kelly KD6CJQ reported that he had worked on the repeaters recently. The new power supply was put in place. The 220 repeater was back on the air, but that an approximately 35 foot section of the feedline was bad. Kelly will replace the lead with a low loss line in the near future from the repeater maintenance budget. He also reported that while replacing the power supply that it was noted that the backup batteries for all the repeaters, four batteries total, were not maintaining the necessary voltage to power the equipment. The batteries are over four years old. The condition the batteries was discussed earlier in the year. With the Winter season facing the club, replacement batteries should be installed. Steve KF6RCH moved that the batteries be replaced and that the Board authorize up to \$500 for the purchase. The motion passed.
 - i. Net Control Operators for the Weekly Net - 9/14 JAB, 9/21 RMW, 9/28 VGV, 10/5 CJQ, 10/12 IY, 10/19 RMW, 10/26 LF
 5. Unfinished Business
 - a. Meeting Programs - Oct - Cable TV? (John KD2LQ to look into it)
Future program ideas - Member Shacks, Cell Phone Technology, Surface Mount Devices, CATV Systems,
- b. PG&E Safety, ARRL Pacific Division Director
 - b. Club Calendar - No changes.
 - c. Storage of Club Property - Most of the club property is still stored at Larry KD6VUM's employer's storage unit. Larry will contact Lee Dibble KE6EAQ about storage.
 - d. Dipole Antenna Purchase - Joel KJ6LF said that he will order the antenna soon. He will check to see if W9INN is producing antennas again.
 - e. November Meeting Location - Brian N6IYY is still working on the location, but it is probable that the club can meet in the cafeteria. Security may be an issue. Brian will report back at the next meeting.
 - f. Lee KA6VAF Antenna Raising - No volunteers at this time. Members are concentrating on the Swap meet. Bill KH6GJV asked if Marie Mappus KI6QY's antenna/rotor issue had been resolved yet. Kelly said that he will be going to her home soon and see if he can get the rotor to operate. He will report back.
 - g. Coffee Pot Purchase - Bill KH6GJV reported that when he advised Ted KB6PTA about the \$100 authorization for new coffee pots that Ted advised that he had repaired the pot. Ted said that he did not need the funds at this time. John KD2LQ moved that the prior authorization of \$100 for the purchase of up to two coffee pots be rescinded. The motion passed unanimously.
 - h. Shortskip Audio Tape Co-ordinator - John WB6FRZ turned in the tape mailers which are postage free mailers. A replacement co-ordinator is still needed. Larry KD6VUM took possession of the mailers and will put them with the rest of the club property in his employer's storage unit.
 - i. Official Observer Notice - The club's call W6LFI received an OO notice alleging out of band operation during Field Day. Greg AC6VJ was operating the club's Drake TR-7 transceiver at the time. Greg's log entry indicates that he was operating in the band. Greg will be checking out the TR-7 to see if it is operating on the frequency it is indicating. Greg also commented that he has found articles on the internet that deal with the frequency stability of the radio. Greg said that he wrote a letter to the Official Observer stating that he would check the radio out. Bill KH6GJV asked to have a copy of the letter for the club's records. Larry KD6VUM said that he had advised Steve Camiglia KV6A, the trustee for W6LFI, of the notice. Bill asked that Larry give the notice to him to put in the club's records. Larry suggested that the repair of the TR-7 and the other club radios could be the subject of a repair class.
 - j. Sale of Generator - Steve KF6RCH moved that a minimum price of \$1,000 be set for the generator. The motion passed.
6. New Business
 - a. Corporation Tax Return - Bill KH6GJV asked for a copy of the tax return that was filed for the club records. Joel KJ6LF said that he would get Bill a copy.
 - b. World Radio Club Listing - Bill KH6GJV reported that Ted KB6PTA had suggested at a past membership meeting that SCRA should be listed in the World Radio "Visit a Club" listing. Bill said that he contacted World Radio and found that the listing would cost \$65 per year and the club would be given eight, one-year subscription certificates for magazine to use as raffle or door prizes. Larry KD6VUM moved that the club pay the \$65 for the listing. The motion passed.
 - c. Club Roster - Bill KH6GJV noted that a club roster had not been included in Shortskip so far this year. Joel KJ6LF was directed to supply a roster to the newsletter editor to include in the next edition.
 - 4.a.i. Swap Meet - Jim KE6VGV reported on the preparations for the swap meet. Signup lists were circulated and the logistics of the event were discussed. Bill KH6GJV submitted paperwork to the ARRL through Brad Wyatt, ARRL Pacific Division Director, to obtain door prizes for the event. Bill also ordered additional PIO material. Other raffle/door prizes will be solicited by Jeff W2JAB from Basham's, Larry KD6VUM from HSC and Bill KH6GJV from Radio Shack. Members helping with the event should be at the park at 5:30 AM on the 18th to help set up. Jim KE6VGV negotiated with HRO for a Kenwood V7 dualband mobile for the grand prize. Jim will pick it up this Saturday.
7. Announcements - Elections are around the corner.
 8. Adjournment - The meeting was adjourned at 8:33 PM



JOHN T RONAN III
K3ZJJ

CANDIDATE FOR VICE-DIRECTOR ARRL PACIFIC DIVISION

The year 2000 will bring great challenges to Amateur Radio. Challenges to our spectrum by the government auction block, malicious interference, the need to attract the younger generation, anti-ham antenna zoning ordinances, the continuing challenge to build the stature of Amateur Radio as a national resource.

I can do much to help our ARRL membership meet these challenges at a national level by representing you on the Board of Directors. *My highest priorities will be:*

- To aggressively support our Official Observers to help solve interference and enforcement problems, building upon existing relationships with the FCC.
- To support license restructuring -- to make it more relevant to modern times, but still maintaining traditional values.
- To recruit new members through education programs in the public schools.
- To support State PRB-1 legislation.
- To work to pass the Amateur Spectrum Protection Act.
- To promote fair and effective band planning.
- To reach out to the Field Organization and our Radio Clubs, becoming visible and accessible.

I am excellent organizer, delegator and motivator. *I make things work.* As ARRL Section Manager for Connecticut, I organized emergency communications during the 1987 Hurricane, and for "The World Torch Run for Peace," featured in QST. As President I improved the efficiency and responsiveness of NARCC, our Northern California coordination council.

As Connecticut Director for the Tri-State Amateur Repeater Council (NY, NJ, CT) I arbitrated interstate coordination disputes. As President, I established the Fairfield (Conn.) Amateur Radio Association as a tax-exempt charitable organization, installed a Two Meter FM repeater and produced a PBS television program on Amateur Radio.

My 35 years in active Amateur Radio leadership positions, as an Attorney, and in legislative activities qualifies me to represent you as Vice-Director.

Effective representation requires active amateurs who understand -- because they have been involved in all facets of our Service. Active on all bands, DXing, as well as public service, I have spent the last 35 years working to make our hobby better for all. With your support I can take that experience to your Board of Directors.

Thank you! John K3ZJJ

FOR SALE:**9-14-99 Listing.**

Yaesu FT 890 HF transceiver - 1 - 30 MHz receive, 160 - 10M (WARC), built in keyer, All mode, internal auto antenna tuner, RS-232 interface, manual, immaculate. \$800.

MFJ 20 Meter CW QRP transceiver - with matching power supply. MFJ Model 9020 XCVR, MFJ Model 4114 rechargeable power pack, MFJ folded dipole included. All mint! \$125.

Kenwood HF Transceiver TS-820 HF - 150 watts out. \$125.

Contact Leland, W6GEE @ 707-942-9076 or email: WA6DFA@aol.com

ICOM IC-24AT Dual Band (2m, 440) HT w/ case, alkaline pack, 7.2V 1.2 Ah battery, wall charger, manual. In original box. \$150.

Contact Jeff, W2JAB @ 707-575-9354 or email: w2jab@sonic.net

Vibroplex chrom with red paddles. New. In original box. Speedex "semi-automatic key" E.F. Johnson -- for the collector? Vibroplex -- for the collector All three a bargain for the CW OP.....\$25.00

Dummy load, 50 ohm antenna\$10

Transceiver - ICOM - IC-765/AT - Dual VFO A/B HF all bands - receive continuous coverage - two CW filters - (includes FL 53A) Full BK-IN - IF shift - pre-amp - elect. keyer, etc. Manual - Heil headphones & boom mike included.....\$1050.00

Antenna - 20 Meter monobander YAGI four element... TELEX/HYGAIN.....\$25.00

Antenna - 15 Meter monobander - TELE X - YAGI - FIVE ELE. \$25.00

Speaker with enclosure.....\$5.00

Transceiver - ICOM - IC-255A - 2 Mtr. base stn./mobile - manual.....

Morse Machine - AEA - + manual.....\$25.00

Bencher Paddle \$20.00

Regulated power supply 5-24 Vdc ... \$5.00
Super Scaf Outboard Audio HI/LO pass filter - adjustable from 40 Hz to 3700 Hz (amazing!)... \$25.00

Antenna - thirteen elements on 2 mtrs! KLM boomer.....\$25.00

Antenna - four el. on 2 mtrs. harness -- toss it in the car trunk...\$15.00

Tower - heavy duty - Tristao tower - 3 section - freestanding 55' extended - 22'2" nested - crank up - supports 16 square foot antenna @ 80 MPH wind.... offer??

Alpha 78 amplifier - no tune up operation - QSK - 2+ kW.... (\$2569.00 New).... \$750.00

Bird "Trueline" wattmeter - 2-30MHz. Comes with three elements for 50, 250 and 2500 watts. (\$250.00 new).....\$50.00

Transmitter - CW only - 100 Watts - solid state with pair of 6146 tubes in final. Neat rig -- looks good...\$15.00

Grid DIP meter.....\$10.00

Low pass xmitting filter (Ind. Comm. Engr.) DC to 30MHz....300WDC (\$38.00 new)....\$10.00

Low pass xmitting filter (I.C.E.)...Passband DC - 30MHz. 8 kW PEP....(\$54.00 new)....\$13.00
(These can sure top TVL.)

Palomar Rx Noise Bridge.....\$8.00

MJF antenna bridge.....\$20.00

Hygain Tailtwister antenna rotor (modified for slow breaking).....\$180.00

Give me a call if interested. K6BV - Dick (707) 578-8825

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Membership Meeting 9-1-99**MINUTES**

1. Call to Order, Verification of Quorum - The meeting was called to order by President Larry Gustafson KD6VUM at 7:37 PM at the Santa Rosa HP facility. There were 24 people present.
 - a. Introductions
 - i. Officers & Directors - The club officers and directors introduced themselves.
 - ii. Guest Speaker - Brian Torr N6IYY will demonstrate the operation of Spectrum Analyzers
 - iii. Visitors - Lee Peevy KA6VAF and Steve Emerson who is taking an EARS class introduced themselves.
 - iv. New Calls & Upgrades - None.
2. Approval of Minutes - Ted DeCroff KB6PTA moved that the minutes of the July 7, 1999, meeting be approved as printed in Shortskip. 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. Joel reminded the membership about renewing their ARRL dues through the club.
 - b. Officers - Larry Gustafson KD6VUM reminded the members of the up coming ARRL Pacificon in Concord on the weekend of October 15 through 17.
 - c. Directors - None
4. Committee Reports
 - a. Activities Committee - Greg Gordon AC6VJ is ill and not able to attend.
 - b. Newsletter Editor - Henry Tate KE6ORF volunteered to take over as Shortskip editor.
 - c. Public Service - John Mullan KD2LQ reported on the following events:
 - i. 9/19 Clo's Classic bike ride; 10 AM until 2 PM; 2 rest stops, 2 SAGs and Net Control will be in use.

- ii. 9/25-26 Waves to Wine for the MS Society; LBC Center; signups needed.
 - d. Repeater Committee - Joel Nadler KJ6LF reported for the repeater chairman that the new power supply will be going in this weekend and that the 220 repeater was off the air.
 - e. PCAM Special Event Station - Bill Hillendahl KH6GJV reported on the operation of the special event station at the Pacific Coast Air Museum Air Show. There were over 11,000 people in attendance at the air show. There was a lot of interest in the radio station. Those that participated requested a repeat next year.
 - f. SCRA Swap Meet 9/18 at Luchesi Park in Petaluma. Jim Cardillo-Lee KE6VGV requested those willing to assist to contact him.
5. Unfinished Business - None
 6. New Business
 - a. Sale of Generator - John Mullan KD2LQ moved that the club's 7 KW generator be sold. The motion passed.
 - b. Raffle Chairman - A new raffle chairman is needed. There were no volunteers.
 7. Show & Tell - Ed Aho KF6HAB showed the Yaesu VX5-R handheld and an infrared body heat sensor.
 8. Recess - The meeting went into recess at 8:16 PM and resumed at 8:35 PM.
 9. Program - Brian Torr N6IYY showed what a spectrum analyzer does and how to operate the device.
 10. Raffle
 - a. Regular - The raffle was not conducted.
 - b. Membership - The membership raffle was not conducted.
 11. Announcements
 - a. Next Program - To be announced.
 - b. Board Meeting next Wednesday at Master's Touch Mortgage, 8979 Conde Lane, Windsor, at 6:30PM.
 12. Adjournment - The meeting was adjourned at 9:37 PM.

HSC ELECTRONIC SUPPLY

* NEW LOCATION! *

5681 Redwood Drive, Rohnert Park

RAMSEY KITS

- VHF power amplifiers
- All-mode HF receivers
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- Etc...

ARRL BOOKS

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

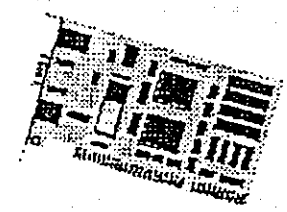
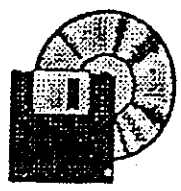
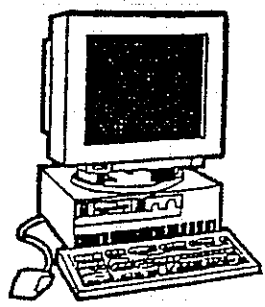
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- MFJ accessories
- Code keys
- Van Gorden Antennas
- Surplus Electronics
- Tools, parts, etc...

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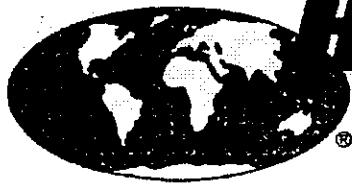


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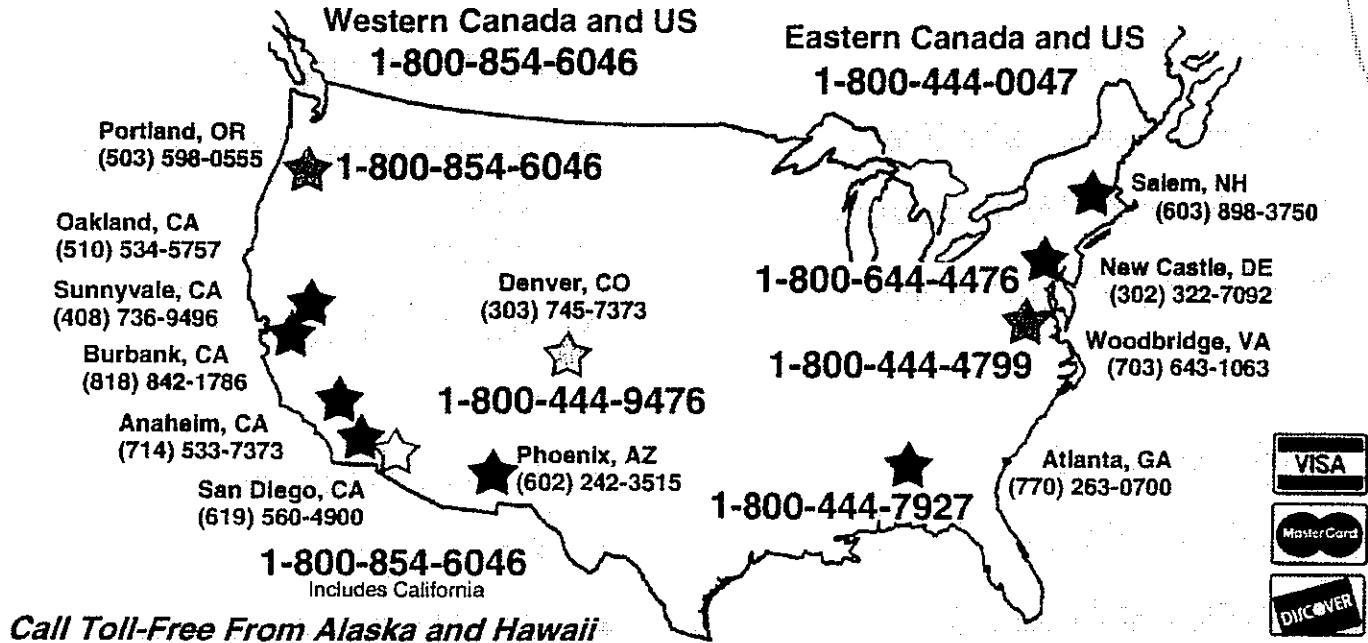
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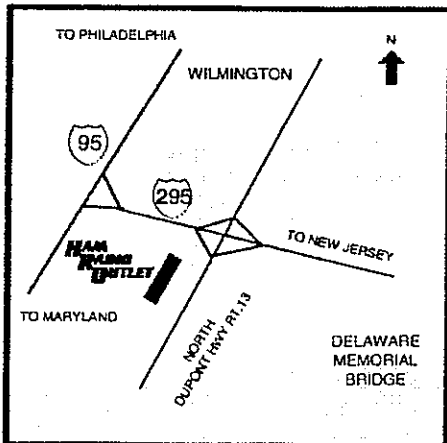
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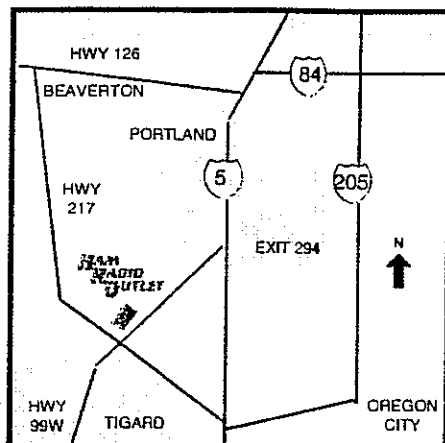
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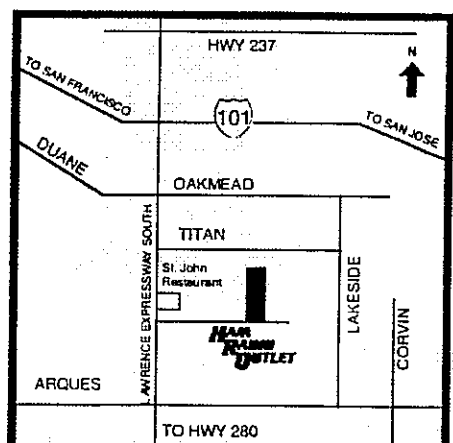
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Bob N9GG Mgr
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Rick K3TL, Glenn N3WIM
Gene K1NR,
Joe K13B, Eli



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