



HANK'S SWAP SHOP

Hank Davis, W6DTV 7822 Washington Ave
Phone 823-7885 Sebastopol, CA 95472
(Noncommercial ham ads are printed for free)

HEWLETT-PACKARD LASERJET PLUS 8 ppm, 512K tech manual spare parts \$490 delivered.
HP SOFT FONTS, Letter Gothic for above \$45.
CENTRONICS 737-1 dot matrix printer with manual/original box. Uses pin-feed paper. \$25
AVERY ADDR. LABELS 5000 15/16x3.5" \$8.
JOHNSON TRANSMATCH 250W manual \$90.
117V HOUR METER in box w/switch/lamp \$3.
CAR STEREO 15+15W pwr booster new \$20.
TAPE CABINET, plastic, holds 36 cassettes \$5.
EICO 315 sig gen 75 kHz-50 MHz, good \$15.
HEATH IM-18 VTVM w/manual, works. \$15.
PARTS CABINET 20-drawer (1 missing) \$4.
POWER SUPPLIES adjustable AC output with meter. These were used to power microscope lamps. \$4 ea. Al N1AL 538-7115.

BELDEN RG-62A/U. The club still has some 93-ohm coax left. Brand new Belden RG-62 good for phasing lines or TV antennas (1.24:1 SWR). \$.05/foot. See AL N1AL 538-7115.

MFJ DUMMY LOAD \$25. Bill KA6JLP 823-5652.

KDK-2015R 2M 20W base transcvr, 4 memory VFO, center cont. pwr sup manuals mic \$175.
MOBILE MOUNTS, quantity 2. \$25.
WILSON 1402SM 2M HT, 6-chan xtal all local, no manual \$65. Don W6CPE 795-1269.

VIDEO TAPE RECORDERS 1", 3/4" and 1/2" Black/White and color, plus special effect **VIDEO GENERATORS**, best offer. Selling out **UHF PORTABLES** Icom/Yaesu/Kenwood. Fred W6LOU, Clearlake, 277-7377.

15 MTR STATION: NCG-15 SSB-CW, 10/2 W transceiver, 15M Hamstick antenna, Astron RS6A power supply, HK5A ham keyer. \$150.
10 METER STATION: Realistic HTX-100 10M SSB/CW 25W transcvr, Asotron 10M antenna. \$125. George KN6S 523-2436. ■

(Cont page 10)

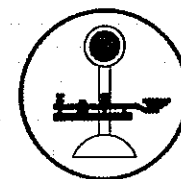
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SHORT SKIP



Sonoma County Radio Amateurs, Inc.

Club Station

NOVEMBER 1991 W6LFJ

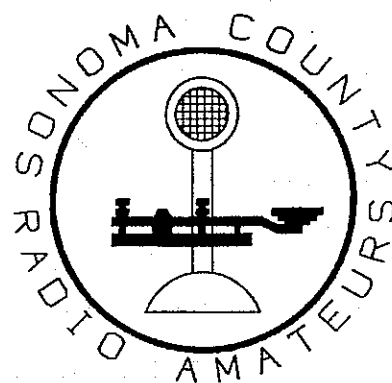
P.O. Box 116

Santa Rosa, CA 95402

Repeater Station

WB6PVS VOL 16 # 10





OFFICERS FOR 1991			
PRESIDENT:	Jim Pelmulder	N6PTM	823-7947
VICE PRESIDENT:	Brian Torr	N6IIY	575-5871
SECRETARY:	Alan Bloom	N1AL	538-7115
TREASURER:	Merlyn Pfeiff	N6VUC	584-3898
MEMBERS-AT-LARGE:	Lou Schneider	N6YMQ	
	John Wallack	W6TLK	833-1873
REPEATER CHAIRMAN:	Jim Rutherford	WB6PER	526-2972
SHORT SKIP STAFF:			
EDITOR:	Alan Bloom	N1AL (e)	538-7115
	1578 Los Alamos Rd, Santa Rosa, CA 95409	(d)	577-3981
CIRCULATION MGR:	Harvey Lawrence	K6KZ	
ADVERTISING MGR:	John Wallack	W6TLK	833-1873
SWAP SHOP:	Hank Davis	W6DTV	823-7885

ARRL Liaison: Alan Bloom N1AL 538-7115
 Ast. Director: Chuck Sabin N6DDK 795-2371
 Badge Chair: Connie Freitas N6FYV

Activities Committee:

Pub. Service: Bill Splaine N6GHG 431-8636
 (days) 577-2913
 Flea Market: John Wallack W6TLK 833-1873
 QSL Mgr: John Wallack W6TLK 833-1873
 TVI/RFI: Al Bloom N1AL 538-7115
 Awards: Steve Lund WA8LLY 823-4544
 VEC Exams: Steve Lund WA8LLY 823-4544
 +N1AL WN6D W6DTV WB6FRZ
 N6OLD AA6RD K6UXO AA6YX
 Education: John WB6FRZ 838-6398
 +N1AL KF6WV K6XZ K6ZWB
 Refreshmnts at meetings: Bob Olsten WD6DPE
 Greeter at Meetings: Jane Vanderslice N6NTB
 Raffle at meetings: Philip Gaul KC6BSI
 Membership lottery: Bob Scolnick K6GEV
 Club Flyer: Gary Gouger KC6WTE

Repeater Control Op's:

WB6PER Jim 526-2972 N6PTM Jim 823-7947
 WD6CKP Hoppy 542-6750 W6TLK John 833-1873
 N6VUC Merlyn 584-3898

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: 10th of previous month

ARE YOU NOT AN SCRA MEMBER?

IF SO, then this is a complimentary copy. Our club is involved with almost every area of Amateur Radio: Repeaters (13/73), Field Day, license classes (Novice through Extra), volunteer exams, RACES, DX programs, packet radio, hidden xmtr hunts -- you name it.

We invite you to attend our next monthly meeting (see below) or check into the Tuesday night SCARS net on the 146.13/73 repeater at 7PM. You will hear the latest Amateur Radio Newline broadcasts, announcements of SCRA activities and a Swap Shop. If you would like to join SCRA, please refer to the dues listed below. Hope we can have an "eyeball" QSO with you at the next meeting! 73 ...

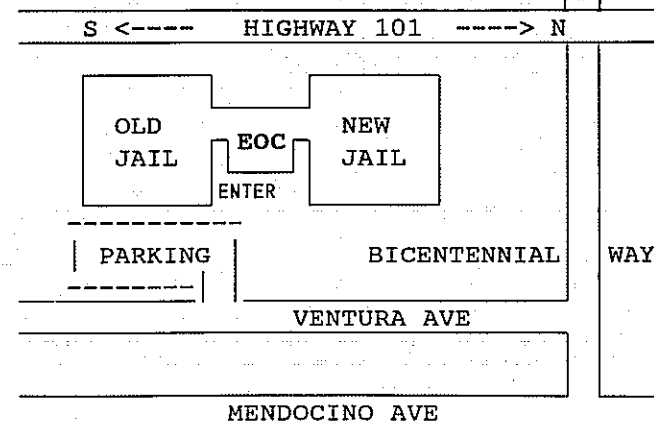
Club Meetings:

7:30 PM, 1st Wednesday each month at the EOC (Emergency Operations Center). Anyone interested in Amateur Radio is welcome.

NEXT MEETING: November 6, 1991

PROGRAM: Elections of Officers

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



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GOODIES FOR THE RADIO AMATEUR:

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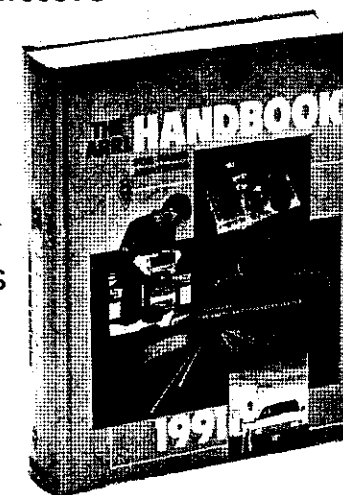


POPULAR BRANDS:

- MFJ
- Ameco
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- Antenna Specialists
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ARRL BOOKS:

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



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ARRL NATIONAL CONVENTION REPORT

by Steve Lund WA8LLY

While on vacation in Michigan, I attended the ARRL National Convention in Saginaw. As you might expect, it was much bigger than the typical Pacific Division convention and much smaller than the Dayton HamVenture. The flea market was full of bargains, but not at the excess baggage rates that the airlines charge.

I only saw one new toy on display. ICOM had a new 2m handheld that receives 88-1000 MHz. If you get tired of the local repeater, you can listen to your favorite FM broadcast station. It seemed odd that it could receive, but not transmit on 222 and 440 MHz. I also got to look at the Ameritron line of high power amplifiers. I was surprised to find that they are identical except for the tubes.

Of course, the forums are what make any convention. The big news at the DX forum was the upcoming ZA operation and field checking of initial DXCC applications.

I learned several interesting things at the Contesting forum. ARRL has finally decided on an ASCII format for submission of contest logs on disk (or via modem!). Unfortunately, you need CT rev 7.10 to meet their specs. In the ARRL DX contest, all scores above 500K are entered into the computer. They check for busted reports and busted and unique calls. It was pointed out that dupes should be left in the logs (but scored as 0 points) as the second QSO might be the 'good' one. They also reduce scores for busted exchanges. The most common problem is recording incorrect power level with JAs. Often JAs report 50 watts on 10m, but 500 watts on 80/40m. CT automatically inserts any previous exchange, which may be incorrect.

Due to scheduling conflicts I missed one of the more interesting forums. GM reported on RFI/EMC performance of its new cars. Since microprocessors control the engine, braking, and suspensions in new cars, GM is quite concerned about RF causing malfunctions! In my new Toyota computer hash trashes my 2m and 70cm handhelds, yet the AM and FM radio bands show no signs of it. How did they do that?

The FCC forum was by far the most interesting and disturbing. The recent power audits had two purposes. First was to find out if hams are using the minimum power needed to maintain communications (generally not!). The second was to determine if reducing power levels reduced interference to consumer electronics. Typically, it did, but not to levels acceptable to most consumers. Telephones generate the most complaints. FCC is aware that hams are not at fault, but seems unwilling to use the power granted by the Goldwater Bill to create standards for consumer electronics. They want the EIA to create voluntary standards for RFI/EMI. Don't hold your breath on that one. It was ironic that this forum's audio was being blasted by W1AW/8!

The real zinger was the FCC's future vision of amateur radio. To them it should be a personalized radio service. Calling Domino's on the auto-patch would be perfectly fine. Running your family business on 2m, why not? I got the impression that they would like to reduce the load on the cellular telephone system by moving it into the ham bands! Won't have to worry about UPS taking over 220 MHz, just have the employees get a Technician license. Oh boy!

HANK'S SWAP SHOP (Cont. from p 12)

BUTTERNUT HG5B butterfly beam 10/20M \$100. Bill N6GHG 431-8636.

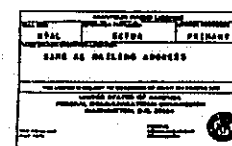
HENRY CLASSIC 2 KW linear, console model, pair 3-500. \$850. Chuck W6JOX 542-0348.

COCO 2 & 3 computers. Used for packet. \$300/\$400. Jack WB6ZRP 578-1937.

KENWOOD TS-950SD, new in box \$3200. **HY-GAIN W51** self-sup tower, **HAM-M** rotor, **HY-GAIN TH6** tri-band beam \$750. **IBM-XT** computer, printer, color monitor, 32M hard disk, V20 chip \$500. Warren AE6H 527-7955 home, 527-9372 work.

CUSHCRAFT R5 vertical \$200. Gary KC6WTE 575-9119.

ASDEN PCS-4000, with manual \$225. **GENAVE GM-1000** 4 ch 140-175 MHz, 40W good for packet \$200. Al W6MEO 538-4935.



UPGRADE EXAM RESULTS

by Steve Lund WA8LLY

On 28 September, 31 candidates took 52 exam elements at the latest SCRA ARRL-VEC exam session held at the SCRA Flea Market. 22 either obtained new licenses or upgraded, and 3 others obtained element credit.

New no-code Technician licensees are: Ron Spaulding, Philip Lamaison, Douglas Owens, David Verenkoff, Edmund Cureton, Steven Feil, and Christopher Solomon.

Showing that code is not dead, the following earned the Technician license with HF privileges: Paul KD6AAG, Mike KD6ATT, Jim KC6YUV, Bill Hiscox, Dave KC6CYE, Margaret KC6ZXI, Megan Linnehan, David Austin, Charles Byerly and Shelly KD6AFZ.

Roger N6TNF, Mike KC6YUW, and Mitsuhiro Takehina all earned the General license.

John KC6YFH is now an Advanced operator.

Robert K2MDM passed that final exam and is now an Extra.

Such a large exam session would not be possible without the help of Dave AA6YX, Ken K6UXO, Gary AA6CC, Robin N6PHP, John KK6XT and Steve WA8LLY.

The next exam session will be at the completion of Al and John's licensing classes. There are several methods to find out when the session will be held. A notice will always be posted at HSC Electronics in Cotati. The next best way is to send a business-size SASE to Steve Lund WA8LLY, PO Box 476, Graton, CA 95444. As soon as the date/time are determined, I'll send you a flyer in the SASE. The worst method is to call me at home.

HAMMING IN CANADA

We received a nice note from May N6GZV with a clipping of a article on ham radio from the Edmonton Journal. It included a large, full-color photo of a ham operating the station at the "Space and Sciences Center," a Morse code chart, and a long article on the local ham club and Amateur Radio in general.

USING FOREIGN LANGUAGES ON THE REPEATER

Recently, an new SCRA member was heard talking on the autopatch in a foreign language. The control operator on duty was concerned as he couldn't understand the conversation, and didn't recognize the operator's callsign. It turned out the member had a minor emergency and needed to call his wife, who speaks no English. At the last Board meeting, it was decided that the club should have rules to cover this kind of situation. The board voted to allow foreign-language autopatches only under the following rules:

- The operator using the patch must be an SCRA member.
- One party of the conversation must be non-English-speaking.
- The operator must notify a repeater control operator before initiating the call.
- The operator must announce in English the intent and substance of the communication.

These rules should prevent any abuse or misunderstanding.

MAKE YOUR OWN PRINTED CIRCUIT BOARDS

Doug Carter KC6RHA will demonstrate the photo resist method of circuit board fabrication on Friday Nov 22 at 7:30 PM at:

Northwestern Graphics
1314 Petaluma Hill Rd.
Santa Rosa, CA

If interested, call Doug at 528-9116.

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EARTHQUAKE PRECURSORS AT RADIO FREQUENCIES

by Vince Migliore N6UMC

Amateur Radio operators have often reported anomalies and increased noise levels on the ham bands just before earthquakes. There are stories that AM radio stations have increased levels of static and transmitter drift before a shaker. There was even a news report that an audio equipment salesman in the SF Bay area could tell when an earthquake was about to occur by the "misbehaving" electronics in the showroom. These, however, are just anecdotal accounts. Is there any scientific evidence that radio frequency anomalies occur prior to earthquakes?

The answer is a resounding *maybe*. There are a number of interesting studies that point in that direction, but they are controversial, and no one has yet "proved" the case.

One popular theory says the bending, crushing and stretching of the earth before a quake causes the rock to generate electrical signals. This is known as the piezoelectric effect, and was championed by Helmut Tributsch in *When the Snakes Awake*, 1982.

The mechanism of radio wave earthquake precursors is unclear, but there is certainly enough evidence for the phenomenon to warrant further experimentation. Earthquake prediction may be possible using relatively simple radio frequency and ULF monitoring equipment. The problem is that earthquakes are relatively rare, and many hours of monitoring time would be required to conduct experiments verifying the relationship.

I have been trying to organize a network of Amateur Radio operators, tinkers and just plain curious people to help monitor radio anomalies. To that end, I publish a newsletter called Geo-Monitor, 1055 W. College Avenue, Suite 321, Santa Rosa, CA 95401. Article contributors and participants in certain ongoing experiments can receive the subscription free.

In addition to the radio experiments, we track odd animal behavior and runaway pets. If RF or ULF radiation is in fact present prior to earthquakes, then perhaps animals, birds, sea mammals, and even humans may be able to

detect the radiation. Numerous examples are cited in the Tributsch book mentioned above. Even traditional scientists at the US Geological Survey are open minded on the question. The USGS has installed low-frequency monitors at Parkfield, CA, where a quake is expected in the near future. As Allan Lindh, seismologist at the Menlo Park center, admits in *Omni*, March 1991:

"Since the stories about electromagnetic waves came up, it's been running through my head that perhaps some animals some of the time -- and even people -- directly sense changes in electromagnetic radiation. If true, and if there are big electromagnetic frequency changes before quakes, it will re-open the question of animal behavior before earthquakes."

Amateur Radio operators have made significant contributions to the sciences over the years. Here we have an opportunity to participate in an exciting new science as secrets of the earth's dynamics are revealed to us. Who knows? Maybe we can catch the Big One before it happens. ■



Hi Alan,

Just thought I would drop you a line to add some information to the membership roster. I am listed as "sponsor" but have since passed my Technician test. My callsign is KC6VJI.

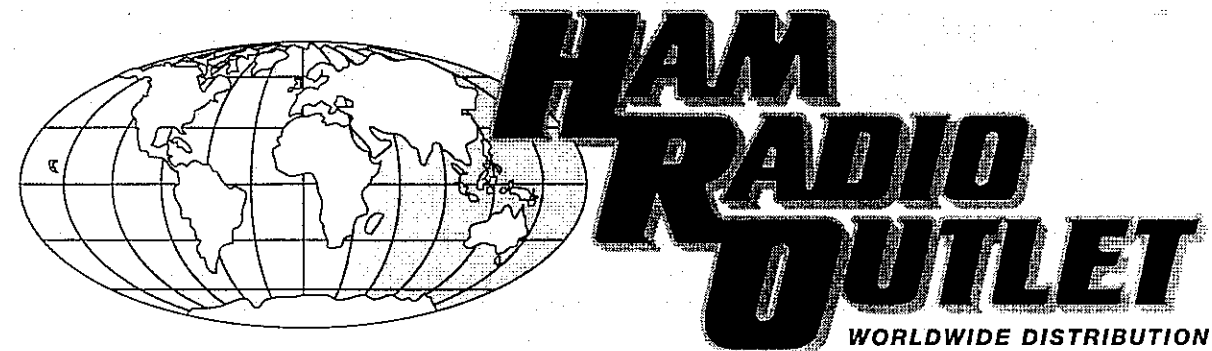
I had hoped to make it to more meetings, but have been traveling on business more than normal. Keep up the great work on the newsletter. I was a newsletter editor for 3 years for another club, so know how much work it is!

I hope to continue to expand my ham radio knowledge and equipment in the near future -- packet, home base station, etc.

Thanks -- see you at the next meeting.

Larry Roberts KC6VJI ■

— 11 STORE BUYING POWER —



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(800) 854-6046
Rich, WA9WVB, Mgr.
I-880 at 23rd Ave. ramp

DENVER, CO 80231
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(303) 745-7373
(800) 444-9476
George, KD8RW, Mgr.

SAN DIEGO, CA 92123
5375 Kearny Villa Rd.
(619) 560-4900
(800) 854-6046
Tom, KM6K, Mgr.
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Claremont Mesa

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Gary, WB7SLY, Mgr.
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Advanced Technology Performance
108 db Dynamic Range, Optional DSP
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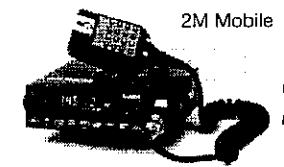


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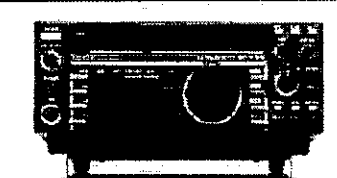


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Reprinted from *On Frequency*, newsletter of the North Hills Radio Club:

WHY A NEWSLETTER?

What is the best way every club member can be informed of the club happenings? How can you tell every member the same news in the same way? Not every member will "check in" on the club net. Of those who do "check in", some listen for an assigned call, announced in the net roll, acknowledge it and leave. Also, not all members attend every meeting. Telephone calls are a pain in the wallet when toll calls are needed. Who will call every member every month and tell them the club news? (Any volunteers?)

Few clubs can survive with scarcely attended meetings and nets. The mortality rate is very high. Clubs die without reliable communication with other members. What do successful clubs have and unsuccessful clubs do not? How does every member get the same information at the same time? The answer is simple: all successful clubs use NEWSLETTERS!



What information does a newsletter have? First are the permanent items like the name of the club and newsletter, a listing of officers and directors, net times and meetings with adequate directions for arrival. Secondly, items from the officers: a president's report containing the ideas and direction the president, other officers and directors think the club should take; a secretary's report of the meetings held since the last newsletter; a brief treasurer's report summarizing income, expenditures and balances on hand; reports from permanent and temporary committees. Thirdly, items of general or specific interest for the club such as the latest FCC actions, member articles on do-it-yourself projects, and items from other newsletters.

Please notice I have not listed the newsletter editors as contributors. The editors, more rightly called newsletter assemblers, are the persons responsible for the assembly and production of the newsletter. They should not be expected as the major article or news item contributors. All club members are responsible for the newsletter because they are the main beneficiaries of it.

So be a responsible club member and contribute for a better club and newsletter. The club will last when others fail. ☐
by Earl S. Mead, AB6CN

WRITING FOR A NEWSLETTER

You need not be a literary giant when writing an article for your club newsletter unless the club members are literary giants. Writing an article is easy. Most people can state ideas or opinions very clearly. Putting them on paper is merely writing what you think.



Ideas and thoughts are important parts of a club and newsletter. So do something important, write a newsletter article! ☐
by Earl Mead, AB6CN

HOW CAN YOU HELP?

If you would like to write for *Short Skip*, and can send the text to me electronically, it would be wonderful! Here's what we really need:

DX NEWS: We need someone to download ARRL and other DX bulletins from the packet bulletin boards (and possibly DX newsletters) and edit them into a monthly column.

AMATEUR RADIO NEWS: The club gets the *ARRL Letter* and the *Westlink Report* that are gleaned for the NEWS column each month. If someone could take this job off my hands, it would save me an hour or so a month.

OTHER COLUMNS: What are you interested in? Share it with other club members! ■

TREASURER'S REPORT



For month ending September 30, 1991

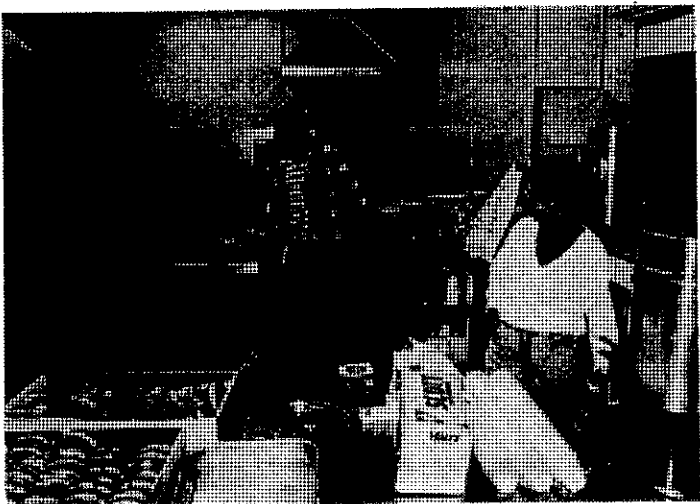
ACCOUNT	REVENUE	EXPENSE
Activities (Field Day).....		
Refreshments at meetings ..	12.00	16.36
Raffle at meetings		
Dues and Initiations	91.00	
Fund-Raisers (ARRL)		
Fund-Raisers (Donation) ...		
Badges		38.69
World Radio		
Awards		
X-mas party prizes		
Misc	30.00	25.00
Repeater		
Short Skip Newsletter	32.00	305.50
Training and Education		
Amateur Radio Newslne		
Membership Supplies		
Officers' Expenses		20.81
Flea Market*	1753.15	619.87
	1918.15	1026.23

*Not all FM income & expenses reported yet.

ASSETS:

General Fund Account	4558.92
Cash/checks on hand	72.50
Total General Fund	4631.42
Total Repeater Fund	755.43

- de N6VUC



1991 FLEA MARKET

by John Wallack W6TLK, 1991 FM Chairman

From all accounts, this year's flea market was a rousing success. The weather was perfect for a fine morning of bargain hunting and good ham radio camaraderie. The annual SCRA Flea Market has become a regional ham radio event. For many, this is the only opportunity for eyeball contacts.

An event like this is only possible with the generous support of many SCRA club volunteers. Nearly 30 members were responsible for an outstanding and enjoyable day. Special thanks go to Pete KC6UXM for organizing and running the food stand, Jim N6PTM and John WB6FRZ for an excellent cleanup, and Kam KC6NDU for helping from 6 AM to closing. Here is a list of volunteers. I apologize if I missed anyone. It was a busy morning. THANK YOU TO EVERYONE WHO HELPED.

Rick K6ZWB, Al N1AL, Joe KC6RKY, Rick KC6UXI, John KK6XT, Kam KC6NDU, Steve WA8LLY, John W6CCY, Hank W6DTV, Sarah N6FAX, Merl N6VUC, Bob N6PLQ, Jim W6ESJ, Bob WD6DPE, Ron KC6PEY, Shelly KD6AFZ, Fred N6YEU, Pete KC6UXM, Ted KB6PTA, Drew Pelmulder, Jim KC6PJW, Brian N6IHY, Clyde N6RIG, Greg WB6UHH, Doug KC6RHA, Dave AA6YX, John WB6FRZ, John W6TLK and Jim WB6PER. ■



THE CQ WORLDWIDE DX CONTEST

by **TOM TAORMINA K5RC**
Editor, National Contest Journal.

CQWW Phone -- October 26-27
CQWW CW -- November 23-24

The CQ Worldwide DX Contest is the most popular contest in the world. Everyone can work everyone and participants range from world class contesters to those who are just looking for some new countries on their favorite bands. The CQWW spawns lots of contest DX-peditions yielding goodies that aren't normally plentiful. The Contest has been going for over 40 years and has always been sponsored by CQ Magazine.

The exchange is a signal report and your CQ Zone. These 40 zones were invented by the founding fathers of the contest. They have no particular meaning, but add a second dimension to looking for multipliers. For instance, a UA0 counts for Asiatic Russia, but it can be in Zone 18, 19 or 23. That causes you to work every UA0 you hear until you've worked all the zones. Some countries have more than one Zone and some Zones are in more than one country. You need a copy of the CQ Zone map or a good computer data base to become familiar with the Zones. The contest uses the ARRL DXCC Countries list plus, the WAE list. The later adds such goodies as GM Shetlands, UN1 and IS (Sicily) to the list of possible multipliers.

There are a number of categories of entry. The most fun for a group of new conesters is multi-single (several operators, multi-radios). In this category, one station can continually work stations and the other can search for new multipliers, changing bands no more often than every 10 minutes. It allows you to learn together what is going on. There is no other way to break into contesting than to get involved! If you are fortunate to have a multi-op station nearby, get yourself an invite to come help log or keep the coffee pot full. As with all other aspects of operating, listen first, and become familiar with the rules of the road. Then jump in and join the fun. The rule of thumb is to be on the highest frequency band that is producing the best QSO rate. It is no more intimidating than that.

If you have a computer, contest logging programs like K1EA's "CT" take all of the pain out of book keeping a contest. If you enter, no matter how small your score, submit your log. You never know when you might be the only one in your category and wind up with a nice certificate to hang on the wall!

COUNTY HUNTING

by **Bob Damon N6PLQ**

You can work all 3076 US Counties, including the four districts of Alaska and four counties of Hawaii by emphasizing mobile operation, both phone and/or CW. CQ magazine offers a very nice award for all counties, and you will receive a USA-CA number. Only 730 hams have certified to CQ of completion of all counties. You may work fixed-to-mobile, or mobile-to-mobile if you wish.

For information on county hunting, write MARAC, Mobile Amateur Radio Awards Club, Inc, POB 64, Newport MN 55055, and request the information packet. Send a business-sized envelope with 29 cents of postage.

You can QSL at minimal cost via the Mobile QSL Bureau, if you wish, using MRC's, or Mobile Reply Cards. Their address is PO Box 6436, Florence SC 29501.

You may also get information on mobile operations from Bill Nash W0OWY, MARAC Awards Custodian, PO Box 83403, Phoenix, AZ 85071. The net operates during the day on 14336 (SSB) and 14056.5 (CW). There are also frequencies on 10, 15, 40 and 80 meters, which are listed in the packet.

Come join us. This is a prestigious award, and you meet lots of nice people. For further info, you can contact me directly.

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SCRA MINUTES

October 2, 1991



The meeting was called to order by President Jim Pelmulder N6PTM at 7:32 PM. Other officers present: Vice President Brian Torr N6Ily, Secretary Al Bloom N1AL, Treasurer Merlyn Pfeiff N6VUC, and Members-at-Large John Wallack W6TLK, Lou Schneider N6YMQ.

VISITORS: Jane N6NTB introduced the visitors

UPGRADES since last time include KC6YFH from Tech+ to Advanced and KC6PDA to General. Larry Roberts is now KC6VJI.

The **MINUTES** were approved as published in *Short Skip*. m/s N6DDK/N6FYV

The **TREASURERS REPORT** shows \$4631.42 in General Fund and \$755.43 in Repeater Fund. Report accepted m/s KK6WN/KC6VJI

PUBLIC SERVICE events have garnered over 400 member-hours this year, according to Bill N6GHG. The bike tour Saturday and Sunday went very smoothly. Upcoming events: west coast bike trek which passes through Sonoma Co. Oct 6/7, HazMat exercise Oct 24, LA bikeathon Oct 25-27. There was a large round of applause for Bill's excellent performance as Public Service Chairman this past year.

The **ARRL SECTION MANAGER** for the SF Section is now our own John Wallack W6TLK.

EDUCATION: WB6FRZ's next novice class started Monday with 14 students. K6XZ's Friday code class has been discontinued -- only 2 or 3 students were left. Al N1AL still plans a no-code Tech class soon. Thanks to Rick K6ZWB for the assembly class and to Doug KC6RHA for his PC board photo resist demo. Doug plans a re-run Friday Nov 22 at 7:30.

John W6NGZ rose in praise of K4VX's shareware antenna program "Yagimax." It can handle up to 40 elements and up to 8 stacked beams.

PROGRAM: John Zantek AL7IN educated us all about how to send radiograms via the packet bulletin board system.

John mentioned a net to discuss packet radio which meets on 145.35 MHz, 8 PM Sundays. Local packeteers meet in person the 4th Thursday of each month at various locations.

FLEA MARKET volunteers WB6FRZ, N6PTM and Kam KC6NDU did a great job cleaning up the hall. John W6TLK thanked all who helped.

The annual **RACES** drill is scheduled for Oct 19. The County communications trailer will be taken to Spring Lake park.

ELECTIONS are coming up next meeting. N6GHG and WB6FRZ are on the Nominating Committee.

Jim Andrews KC6PJW volunteered to be the **NET CONTROL STATION** for this month.

There was good interest shown in the idea of a **10 METER CLUB NET** on 28.400 MHz. Jim N6PTM will be looking for a volunteer net control station. There was also some interest in a 10 meter CW net.

WORK REAL DX: Dave AA6YX has accepted Hewlett-Packard's "golden parachute," has quit his job, and plans to activate some Pacific islands in the next 2-3 years. Look for him.

Steve KK6VY has offered to conduct a class in **MS-DOS** for IBM-compatible computers. A half-dozen members expressed interest.

The **MEMBER LOTTERY** can was properly shaken up this month -- Hank W6DTV won \$32.75, which he donated back into the pot.

The meeting was adjourned at 9:00 PM. m/s WA6ACX/K6ZWB

Respectfully submitted by Secretary Al Bloom N1AL

Jim Pelmulder
N6PTM

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