



# SHORT SKIP



Sonoma County Radio Amateurs, Inc.

Club Station  
W6LFJ

P.O. Box 116  
Santa Rosa, CA 95402

Repeater Station  
WB6PVS

VOL 19 #5

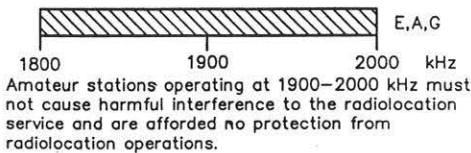
MAY 1994

Tnx W9IYG

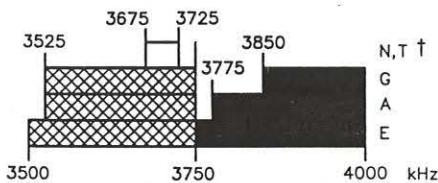
## US AMATEUR BANDS

December 1, 1993

### 160 METERS

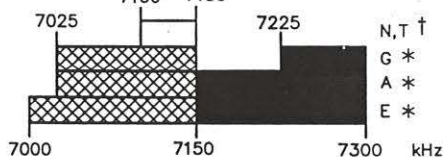


### 80 METERS



5167.5 kHz (SSB only): Alaska emergency use only.

### 40 METERS



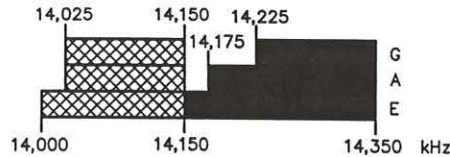
\* Phone operation is allowed on 7075–7100 kHz in Puerto Rico, US Virgin islands and areas of the Caribbean south of 20 degrees north latitude; and in Hawaii and areas near ITU Region 3, including Alaska.

### 30 METERS



Maximum power on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.

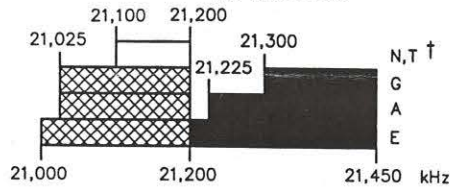
### 20 METERS



### 17 METERS



### 15 METERS



### 12 METERS

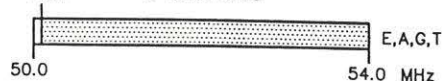


### 10 METERS

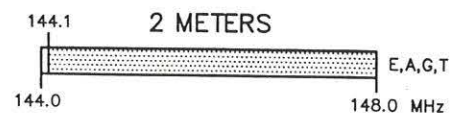


Novices and Technicians are limited to 200 watts PEP output on 10 meters.

### 6 METERS



### 2 METERS



### 1.25 METERS

Until Feb 1, 1994, Novices are permitted to use ONLY 222.1–223.91 MHz



Novices are limited to 25 watts PEP output from 222 to 225 MHz.

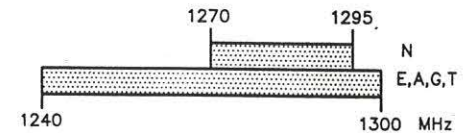
### 70 CENTIMETERS \*\*



### 33 CENTIMETERS \*\*



### 23 CENTIMETERS \*\*



Novices are limited to 5 watts PEP output from 1270 to 1295 MHz.

#### KEY

- = CW, RTTY and data
- = CW, RTTY, data, MCW, test, phone and image
- = CW, phone and image
- = CW and SSB
- = CW, RTTY, data, phone, and image
- = CW only

- E = EXTRA CLASS
- A = ADVANCED
- G = GENERAL
- T = TECHNICIAN
- N = NOVICE

† Only Technician-class licensees who have passed a 5-WPM code test may use these frequencies.

\*\* Geographical and power restrictions apply to these bands. See The FCC Rule Book for more information about your area.



**OFFICERS FOR 1994**

<b>PRESIDENT:</b>	Merlyn Pfeiff	N6VUC	584-3898
<b>VICE PRESIDENT:</b>	Kelly Cureton	KD6CJQ	837-9434
<b>SECRETARY:</b>	Alan Bloom	N1AL	538-7115
<b>TREASURER:</b>	Mike Michlig	KN6JQ	526-9655
<b>MEMBERS-AT-LARGE:</b>	Jim Pelmulder	N6PTM	823-7947
	Marie Mappus	KI6QY	664-1978
<b>REPEATER CHAIRMAN:</b>	Jim Rutherford	WB6PER	526-2972
<b>ACTIVITIES CHAIR:</b>	Mike Knope	KD6LYU	762-3236

**SHORT SKIP STAFF:**

<b>EDITOR:</b>	Alan Bloom	N1AL (e)	538-7115
	1578 Los Alamos Rd, Santa Rosa, CA 95409	(d)	577-3981
<b>CIRCULATION MGR:</b>	June Linnehan	KD6LSU	
<b>SWAP SHOP EDITOR:</b>	Jim Hudson	KD6WIS	584-3423

**BBS EDITORS:** Pete Sourek KC6UXM, and Allan Chapman W6MEO  
**AUDIO TAPING:** John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Bob Phillips N6RMW

**Activities Committee:**

**Pub. Service:** Maris Mappus KI6QY 664-1978  
**Pub. Relatns:** Steve Carniglia KK6VY 579-9608  
**Field Day Chairman:** Mike Knope KD6LYU  
**TVI/RFI:** Al Bloom N1AL 538-7115  
**Antennas:** Joe Senft KM6TN 578-5824  
 John KM6LI, Shep NH6ZY, N1AL  
**Awards:** Steve Lund WA8LLY 823-4544  
**VEC Exams:** Dave New AA6YX 829-6608  
 N1AL WX3K WW6D WB6FRZ  
 AB6OL K6UXO AA6UY KC7VS  
 KK6VY KK6XT WA8LLY  
**Education:** Steve Carniglia KK6VY 579-9608  
 N1AL WB6FRZ KC6RHA KK6VY  
 WB6TMY K6XZ K6ZWB KC7VS  
**Refreshmnts at meetings:** Bob Olsten WD6DPE  
**Raffle at meetings:** Lynn Dickerson KD6TYL  
**Membership lottery:** Pat Reynolds KD6TYJ  
**RACES RO:** Jim Pelmulder N6PTM 823-7947  
**ARRL Liaison:** Alan Bloom N1AL 538-7115  
**Badge Chair:** Fred Leoni N6YEU 431-8202  
**Packet BBS:** John WX3K and Jim KC6PJW

**Repeater Control Op's:**

WB6PER Jim 526-2972 N6PTM Jim 823-7947  
 WD6CKPHoppy 542-6750 N6VUC Merl 584-3898  
 KD6CJQ Kelly 837-9434

**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

**Club Meetings:**

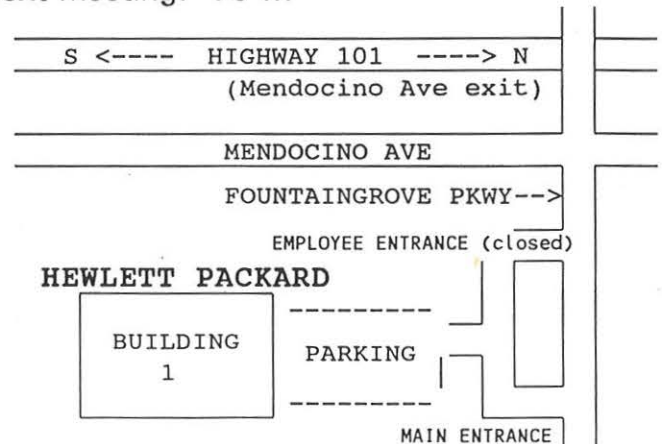
7:30 PM, 1<sup>st</sup> Wednesday each month at the Hewlett Packard plant in Santa Rosa. (See map below.) All are welcome.

**Next Meeting:** May 4, 1994  
**Program:** ARRL tape on emergency communications

**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. Membership in SCRA is open to anyone interested in Amateur Radio. If you would like to join, there is a membership application on page 11. Hope we can have an "eyeball" QSO with you at the next meeting! 73 ...



## SCRA Second Annual Campout!

by Kathy Mahan KC6UXJ



- \* Do you feel the need to experience the out of doors?
- \* Do you want to stay close to home?
- \* Are you ready for an incredible barbecue and/or brunch?
- \* Do you just want to have a good time and forget the everyday grind?

If you answered **YES** to one or more of these questions then this is for you!

Join us on Saturday, May 21 and Sunday, May 22 or if you're really desperate to get away, feel free to camp out both Friday and Saturday nights. A handful or so will be there both nights. We'll camp at one of the best kept secrets in Sonoma County!

**Sugar Loaf Ridge State Park:** on Adobe Canyon Road off Highway 12 in Kenwood.

This isn't your ordinary campout. You have 3 different activities you can attend or you may choose to stay for the whole weekend and enjoy everything!

**CAMPING** is available both evenings. Sites for RV's and tents are available if you make reservations NOW!

Saturday evening there is an **INCREDIBLE POTLUCK DINNER**. This is your chance to bring your specialty. Chicken for the barbecue will be provided. Dinner is served just as the evening sun goes down over the mountain tops and the deer begin to graze in the meadow!! Everyone is invited to attend whether you camp out or not. (Warning: There may be a \$5.00 vehicle fee if you plan to just come for meals Saturday or Sunday and do not campout).

**SUNDAY BRUNCH** is just as great as Saturday's dinner and again you may come just for the brunch. Whichever option you choose, you're bound to have a great time.

**FACILITIES** provided at Sugar Loaf are: Flush toilets, water faucets, drinking fountains, hiking trails, picnic areas. There are no showers!

**WHAT CAN YOU BRING?** Your own beverages and something for the potluck dinner on Saturday. (Friday campers must provide their own dinner). We'll let you know what we need for the dinner or if you have a favorite dish you'd like to share.

**RESERVATIONS:** Everyone is responsible for their own reservations if they plan to camp out. To place your reservation, call MISTIX 1-800-444-7275 and they will tell you the cost for your site. (I believe it's \$14.00 per night or you may want to share the same camp site with friends).

It is very important that you call either Jim WB6PER at 526-2972 or Kathy KC6UXJ at 823-4980 to let us know when you will be there. We will be calling all those who have already signed up to be sure you have your camp site reserved and also what we would like you to bring for the potluck dinner.

**REMEMBER: MAKE YOUR RESERVATIONS** with Mistix and also call either me or Jim with any questions or just to let us know you will be joining us for FRIENDS, FOREST and FOOD!

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## Special Election

There will be a special election at the May meeting to fill two vacancies on the Board of Directors. R.L. Caron KK6GP has regretfully resigned as VP because of business responsibilities that will take him to 0-land for an extended period. Kelly Cureton KD6CJQ has agreed to run to fill out the rest of the year, but that would leave Kelly's Member-at-Large position open, so we'll need an election for that one too. ■

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## SCRA Roster

Since we still have some club membership renewals coming in, we'll wait and publish the roster next month. ■

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**RENEW YOUR ARRL MEMBERSHIP THROUGH THE CLUB AND THE CLUB GETS TO KEEP \$2** (no expense to you). Make out your check to SCRA, and send it with your ARRL renewal form to SCRA, PO Box 116, Santa Rosa, CA 95402 or give it to the Treasurer. ■

## Valley of the Moon Annual Hamfest



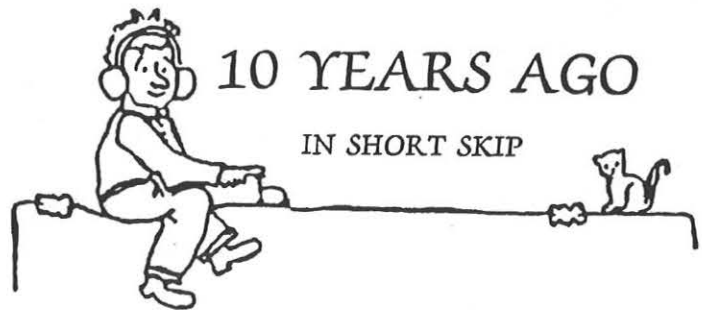
The Valley of the Moon Amateur Radio Club will hold its annual hamfest on Saturday, April 30 at the City of Sonoma Veterans' Memorial Building (First St West, across from the Police Dept) 8 AM to 2 PM.

VOMARC has been putting on its own 'fest since the late 1970's. This activity is open to *all*, not just amateur radio operators. The day will be filled with continuous radio and social activity, making an enjoyable event for all.

There will be a delicious breakfast, a swap meet full of electronic equipment, and demonstrations of all kinds, including the City of Sonoma Communications Van, Amateur TV, antenna building, etc.

New to ham radio, or ready to upgrade to a higher class? There will be exams too! For more details, call Darrel Jones at 996-4494. ■

Tnx Garry N6ONZ:



The feature article in the May 1984 *Short Skip* was a direction-finding antenna design, author not listed. The next "turkey hunt" was planned for April 14.

A quote from President W6CYM's column: "It seems like when the club has a job to be done, it becomes necessary to beg for help. As an example, when a Tuesday night Net Control operator was needed, the great show of apathy was most underwhelming..." *Plus ça change, plus c'est la meme chose.*

Classes were in full swing. One novice class ended the next night, with another scheduled for September. N1AL was to start another upgrade class April 12. ■

## How to Install PL-259 on RG-58 Coax

Installing a connector isn't difficult if you follow the proper sequence of steps. Here are our suggestions for how to install the PL-259, one of the industry's most popular.

### Step 1

File the end of the UG-175 adapter, and tin the end of the adapter. Slip the coupling ring and adapter on the coax and strip the coax one inch back from the end, exposing the shield. Fan out the shield. (Figure 1)

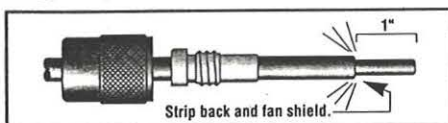


Figure 1

### Step 2

Slide the adapter up to the shield and solder the shield to the end of the adapter. Cut the excess shield from around the adapter. File the shield around the side of the adapter so that the side of the adapter is smooth. Strip one-half inch of the center dielectric back from the end of the coax. (Figure 2)



Figure 2

### Step 3

Place a dab of Super Glue on the threads of the adapter and insert the coax-adapter

assembly into the body of the plug. Tighten with pliers. (Figures 3 and 4)

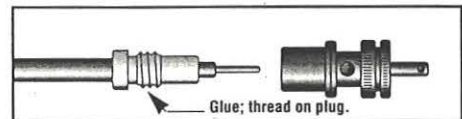


Figure 3

### Step 4

Solder the center conductor of the coax to the center pin of the coax connector. (Figure 4)

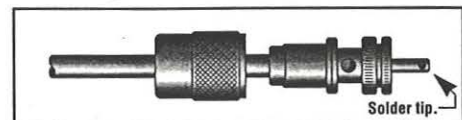


Figure 4



**Larsen® Antennas**


# A 40-ft Tilt-Over Antenna Mast

by Garry Palmer N6ONZ

This design is used at some state facilities as a flagpole for a 3 x 6 ft flag. A single vertical antenna will have much less wind loading than the flag.


The cement base is 2 x 2 x 2½ ft. The two 2" support pipes are filled with cement. Insert copper tubing through the support pipes at the hole locations before pouring in the cement.

Use 7" stainless steel swivel bolts. Leave 1" clearance between the bottom of the mast and the base.



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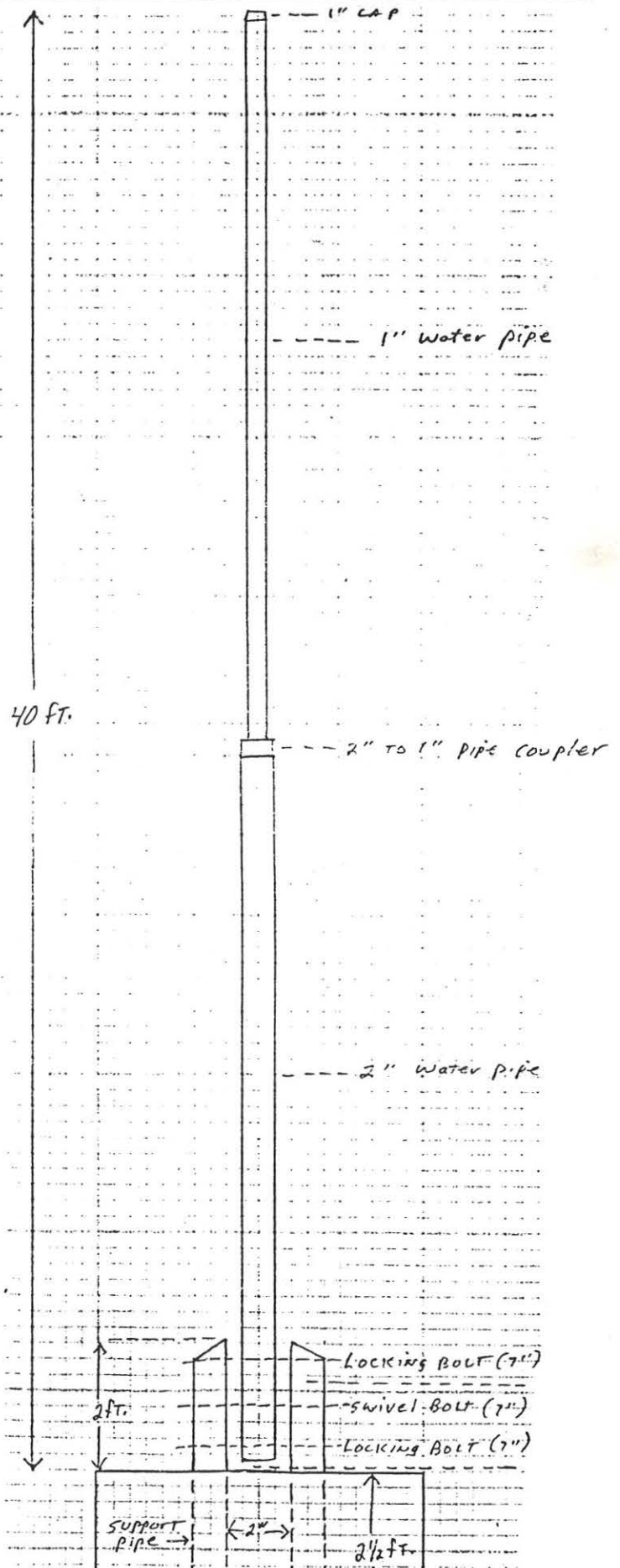
**George Shedore**  
Manager  
KS6W

6819 REDWOOD DRIVE COTATI, CA 94931      PHONE: (707) 792-2277  
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## NEWS of Amateur Radio

by Brad Wyatt K6WR  
ARRL Div. Director

**Last Chance to Save 13 cm. Band:** On April 7, at a public Q&A meeting, NTIA made it very clear that their overwhelming concern was to free up 50 MHz of the Federal Government primary spectrum allocation immediately and to minimize the conversion costs to the Federal Government, regardless of costs or problems caused to non-Federal Government entities. In their opinion, all other problems are to be resolved by FCC. NTIA's view appears to be "that unless you can prove us wrong, we have done our job based on OUR interpretation of the law passed in 1993".

ARRL has several actions underway to try to turn this situation around, but ALL depend on your documentation of current 2.3 GHz. activity and plans.

ARRL needs hard documentation of current activity by ATV and other operations at 2.3 GHz. Write me for a list of questions to use as a guideline and a four page NTIA report. Just ask! The NTIA deadline is May 11. Write your comments to Mr. Norbert Schroeder, Program Manager, Spectrum Openness, NTIA, Room 4092, U.S. Dept. of Commerce, 14th & Constitution Ave. N.W., Washington, DC 20230. FAX: (202) 482-4396. Please send a copy to Steve Mansfield, Legislative Affairs Mgr. in ARRL HQ. Do it today!

**Vanity "Preferred" Callsigns:** The ARRL Executive Committee adopted the recommendations of the Ad-Hoc Committee of which I was one member. The basic outline to be submitted to the FCC by April 21 is as follows:

- All hams should be eligible for preferred calls within the call sign blocks based on current license class (there are some exceptions). For example, this provision allows Extras to obtain 1X2 calls, but not Novices.
- A phase-in plan starts with those who have lost calls through the years for whatever reason and regardless of license class.
- Next would be Extra class licensees, then Advanced, and then open to all. Calls will be assigned based on availability within the current call areas.
- A one time fee should be charged for the preferred callsign rather than the \$7 per year enacted into law by Congress.
- Club call signs would also be issued.

Remember, this is a brief summary (there are many details) of what the ARRL is developing for its Comments. What the FCC will actually do is still to be seen. The text of this docket starts on page 84 in February QST. Timing is unclear but could be as early as late 1994.

**Katashi Nose, KH6IJ, Silent Key:** With great sadness I report the passing of Katashi Nose, KH6IJ, on April 7. In my opinion and that of many others he was the "father" of Amateur Radio in the Hawaiian Islands. Others have called him a "giant" in Amateur Radio. He was currently an

Assistant Director and had served in many capacities over the years. Many of us will remember his cheerful voice and wonderful CW fist. 73 and Aloha!

**Congressional Legislative Report:** Late information on HJR 199 shows 220 co-sponsors in the House, a majority. Lynn Woolsey of Marin County's 6th District is the latest co-sponsor. With a majority we can now plan to bring up the resolution for consideration. The identical resolution in the Senate (SJR 90) now has 42 co-sponsors. HR 2623 (Amateur Radio Volunteer Protection Act) has 70 co-sponsors in the House - not yet introduced in the Senate. Keep writing letters to your congressional delegation with copies to Steve Mansfield, Legislative Mgr. in ARRL HQ so he can use them when visiting your congressional delegation in Washington.

**Antenna Ordinances:** Rusty Epps W6OAT, Assistant Director and Volunteer Counsel, continues to lead a Pacific Division-wide effort to develop a database of antenna ordinances and related materials for the Pacific Division. Rusty reports that data is coming in from all parts of the Division -- thanks!

This effort is part of a national overall program to index and catalog cases and related materials with the goal to help develop more workable antenna ordinances. Please be actively involved in this program by visiting and/or calling your town and/or county Planning Commission. We need the help of all hams in the Pacific Division on this project.

Also, please let Rusty know if there is a proposal for an antenna ordinance in your town and, if so, the contents of the proposal. Rusty would also like to know if your town does NOT have an ordinance. Rusty needs everything related to this entire field!

All the information will, of course, be available to anyone in the ham community who needs it. Send all the material to Charles K. (Rusty) Epps, W6OAT, 651 Handley Trail, Redwood City, CA 94062.

**New FCC-ARRL Am-Aux Agreement:** The new agreement centralizes submission of interference reports by Amateur Auxiliary members. A new manual is at the printers and should be available in a few weeks. More next time.

**Scholarships and Awards:** There are many scholarships covering a wide range of situations available to licensed Amateurs. The ARRL Foundation, The Dayton Amateur Radio Association, The Foundation for Amateur Radio, to name only a few, will be announcing their dates for applications for their 1994 scholarships. Watch QST and other amateur radio publications for details.

The Pacific Division and ARRL each give many awards for outstanding service. Included are awards to clubs (by sizes), Ham of the Year, Volunteer of the Year, Ham Recruiter of the Year, and Certificates of Merit. These awards will be made at Pacificon94. Please give serious thought to nominations. Drop me a note for the details.

Brad Wyatt K6WR, Director, Pacific Division, ARRL  
18400 Overlook Rd. #5, Los Gatos CA 95030-5850  
(408) 395-2501 Packet: K6WR@NOARY.#NOCAL.CA ■

# SCRA MINUTES

April 6, 1994

Submitted by Secretary  
Al Bloom N1AL



The meeting was called to order by President Merl Pfeiff N6VUC at 7:32 PM. Other officers present were Secretary Al Bloom N1AL, Treasurer Mike Michlig KN6JQ, and Members-at-Large Kelly Cureton KD6CJQ and Marie Mappus KI6QY.

**VISITORS:** Kelly introduced 12 visitors.  
**UPGRADES:** Mark KE6BNP is now an Extra.

**SILENT KEYS:** Merl had the unpleasant duty to report four recent silent keys: Lorraine Hassett KD6KRW, Laurette Roberge N6LCR, Lyle Anderson K6MZ, and Dan O'Brien KD6NQT. We will miss them all.

Our **VICE PRESIDENT**, R. L. Caron KK6GP has regrettably resigned due to temporary but long-term commitments out of state. The Board of Directors will appoint a temporary replacement at the next Board meeting, and there will be a special election at the next general meeting.

**K6ZWB** was belatedly presented by Pete KC6UXM with an award for Rick's meritorious service as President in 1993.

The **MINUTES** were approved as printed in last month's *Short Skip*. m/s N6PTM/KA6CAG

The **TREASURER'S REPORT** shows \$626 in income and \$696 in expenses. Approved. m/s K6ZWB/KB6PTA

**REPEATER:** Merl presented a video of the installation of the battery backup system on 146.73. Since most members had never seen the repeater site, there was great interest. Besides 146.73, the system also backs up 220 MHz, 440 MHz and packet repeaters. The 146.73 repeater, antenna and site are owned by Sonoma County. The computerized controller, battery backup system, 220/440/packet repeaters and the license are owned by SCRA.

**PUBLIC SERVICE:** Marie KI6QY notes that the season is about to start. Upcoming events are the Super Cities walk, Wine Country Century bike ride, Human Race, and Special Olympics. Volunteers are still needed. The job of Event Coordinator involves contacting volunteer hams, scheduling shifts, checking the route for radio coverage, obtaining maps, and coordinating with event personnel.

**EDUCATION:** Marc KF6LN's Novice/Tech class is in its fifth week, with 3 students.

**ACTIVITIES:** Field Day is coming up June 25/26. A sign-up sheet for the club campout May 21/22 was passed around.

**NET CONTROL STATION:** We had volunteers! Jim WA2EWE volunteered for April and May, and Kelly for June.

The **SWAP SHOP** needs new listings. Jim KD6WIS notes that listings are only held for two months.

**PROGRAM: HOMEBREW CONTEST.** Rick K6ZWB, as last year's winner, was Judge. The entries were: (Someone please supply me the missing names) 7-element 2 meter beam made from an old TV antenna by Fred N6YEU; 2 meter Ramsey transceiver kit in the "before" state -- hopefully Lynn KD6TYL will enter it in next year's contest; coil-winding machine by Dave KD6KWM; a seismograph (performance proved by strip chart outputs) by Doug KC6RHA; Rick

K6ZWB's old homebrew KW amplifier from 1966 resurrected by Pete KC6UXM; a 3-frequency DSP-based WWV clock (both breadboard and finished surface-mount PCB version) from ??? of TrueTime Co.; combination code practice oscillator, Supermorse sidetone, and infrared optical straight key by Brian N6IYY, 20/15/10 meter 3-element beam of unusual design by Darrel KI6VY; CW keyer with capacitive paddles by Dave KD6LSA, a pair of computerized robots by ???; a cross-band (144/220 MHz) repeater circa 1988 by Peter N6JBV; a 2-meter antenna and mounting bracket by Jim KE6FSK; and a J antenna made of twinlead by Gary KE6FXK.

As a commercial entry, the WWV clock was not eligible for a prize, but Rick gave it a strong honorable mention for sophistication. Third prize went to KD6LSA's CW keyer for the original design modifications using junk-box parts. Second prize was the nifty coil winder of KD6KWM. And "Best of Show" went to Brian N6IYY's 3-in-one code machine for its ingenuity in combining ideas from several articles.

The **RAFFLE** was ably handled by Lynn KD6TYL, and the **LOTTERY**, administered by Pat KD6TYJ would have been won by Charlie KK6WN, had he been present.

The meeting adjourned at 9:28 PM. m/s KC6UXM/KD6WYF ■

## Going on Vacation?

Unless you tell the Postal Service otherwise, they will not hold 3<sup>rd</sup> class bulk mail for you when you are away. We get a number of *Short Skip* returns every month with "Temporarily Away" stickers on them. Each one costs the club an additional \$.29 and results in a missing issue for the member.

The best solution is to fill out the USPS form saying you want to receive bulk mail while you are away. You could also call and tell me to stop delivery, but you'll have to call again when you return, since I have no way to track the on/off dates. - N1AL ■

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WA6VAG

**CHARLES J. TARR**  
*Attorney at Law*

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## Board Meeting Minutes

April 13, 1994

The meeting was called to order by President Merle Pfiess N6VUC, at 5:43pm in the meeting room at the Northbay Savings Bank. Other officers present were Secretary Al Bloom N1AL, Activities Chairman Mike Knope KD6LYU, Repeater Chairman Jim Rutherford WB6PER and Members-at-Large Kelley Cureton KD6CJQ and Marie Mappus KI6QY. Also present were SCRA members Hoppy Bravin WD6CKP, Jim Pelmulder N6PTM, Joe Senft KM6TN, Kathy Mahan KC6UXJ and Rick Reiner K6ZWB.

**NEW VICE PRESIDENT:** A letter of resignation was received from Vice President R.L. Caron KK6GP. R.L. has business duties that will take him out of state for an extended period. The board appointed Kelly Cureton KD6CJQ to fill the position until the special election next club meeting (at which time Kelly will be nominated to fill out the rest of the term.) m/s N1AL/N6VUC

That will leave Kelly's Member-at-Large position open. Jim N6PTM agreed to fill in, but only until the election. m/s KD6CJQ/KI6QY

**PROGRAMS:** Kelly's first duty as VP/Program Chairman is to find a program for the May meeting. If anyone has any ideas for programs in the upcoming months, give Kelly a call.

**FIELD DAY** is June 25/26. Mike KD6LYU thinks the Coast Guard will waive the fee for the site at the lake. Payment for the Saturday dinner will again be taken in advance — we just about broke even last year. As is traditional, we will promote the dinner as a social event for the whole family.

**CORRESPONDENCE:** N1AL has answered a couple letters asking for info on SCRA. Al also submitted the serial numbers of the recently-donated HP8558 spectrum analyzer.

**REPEATER:** WB6PER needs a letter on club stationery appointing him SCRA representative to the upcoming NARC meeting. N1AL will FAX it to him.

There's a new version (5) of controller firmware that allows timed functions. That way, a control op won't have to remember to turn off/on the autopatch every night. The board authorized WB6PER to purchase a copy. m/s KD6CJQ/WB6PER

The **CAMPOUT** will feature a dinner Saturday night. Jim needs money for food. The consensus was that since we already budgeted \$175 for it, Jim should go ahead.

**PUBLIC SERVICE:** KI6QY reported on upcoming events.

**ANTENNAS:** Antenna Committee Chairman Joe Senft KM6TN has delivered his proposed Santa Rosa antenna ordinance to Ken McTaggart N6KM, the ARRL Volunteer Counsel from Sonoma who is working with us. Joe would like to have the Board OK it before submission to the City Council. N1AL suggested we also pass it by the Redwood Empire DX Assn, since their members have lots of big antennas.

The meeting was adjourned. m/s WB6PER/N6VUC



## COMING EVENTS:

SCARS NET: 146.73 MHz  
Tuesdays at 7 PM.

NEWHAM HOTLINE:  
1-800-326-3942  
SCRA INFO HOTLINE:  
(707) 579-9608  
VE EXAMS HOTLINES:  
(408) 984-8353/255-9000

### APRIL:

- 30 - Wine Country Century bike tour
- 30 - Sonoma Hamfest WD6BOR 938-8086
- Apr 29 - May 1 - Dayton Hamvention
- Apr 29 - May 1 - West Coast VHF Conference  
Bob Hastings K6HPE 714-990-9203

### MAY:

- 1 - Tour de Cure, Napa KD6KVO
- 1 - Livermore Flea Mart 510-447-3857
- 2 - RACES etc. Net 7:30 PM
- 4 - SCRA meeting 7/7:30 PM
- 7 - Human Race, Santa Rosa
- 7-8 - Fresno Hamfest 209-222-3105
- 14 - Foothill College Flea Market
- 14 - Deadline for June *Short Skip*
- 16 - RACES etc. Net 7:30 PM
- 19 - CDF/VIP Meeting 7:30 PM
- 21 - Special Olympics, Sonoma State Univ.
- 21/22 - SCRA club campout, Sugarloaf Park
- 28-29 - CQ Worldwide Prefix Contest, CW

### JUNE:

- 3-5 - ARRL NW Div. Conv. 503-657-1781
- 10-12 - ARRL Nat. Convention, Arlington TX
- 19 - Terrible Two Bike Tour, KK6GP
- 25-26 - Field Day

### AUGUST:

- 20 - SCRAPS picnic
- 26-28 - ARRL SW Div. Conv. 619-278-4284

### SEPTEMBER:

- 17 - SCRA Flea Mart, Seb. Holy Ghost Hall
- 17 - Clo's Classic
- 17 - Splendor in the Saddle, Healdsburg

### OCTOBER:

- 21-23 - Pacificon '94 Concord 510-932-6125
- 29-30 - CQ Worldwide DX Contest, Phone

### NOVEMBER:

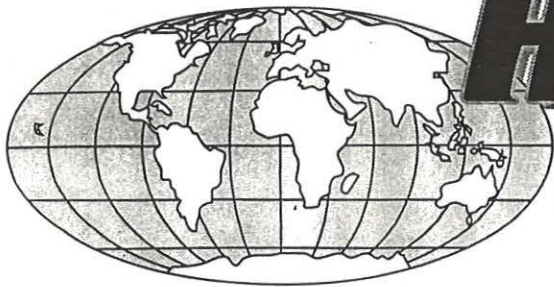
- 5-7 - ARRL Sweepstakes, CW
- 19-21 - ARRL Sweepstakes, Phone
- 26-27 - CQ Worldwide DX Contest, CW

### DECEMBER:

- ?? - SCRA Christmas party



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Bob Ferrero W6RJ, President/Owner

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**SALEM, NH 03079**  
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224 N. Broadway  
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(800) 444-0047  
Chuck, KM4NZ, Mgr.  
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28 mi. No. of Boston

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**WANT:** Cheap, 2meter mag-mount antenna.  
Bob N6RMW 542-5209.

**KENWOOD R1000** receiver USB/LSB/CW  
\$500 or trade. Lynn KD6TYL 526-3778.

**HEATH SB200** amplifier 80-10m \$200.  
**POWER SUPPLY** for Heath HW-101 xcvr \$35.  
**JERRY CESLER CODE TAPES** \$16. Ken  
WB6NOV 792-2634.

**BATTERIES** for Yeasu 470, new. One 7.5 one  
12V, both for \$110. Ron KD6CJM 527-7353.

**HYGAIN HF** antenna 80-10m \$75. Sal  
KC6WTO 539-4661.

**WANT:** Kenwood SP230 speaker or similar.  
Don KD6ZVG 823-0541.

**HR2600** multi-mode 10m mobile xcvr \$125.  
**NCG 15M MOBILE**, new in the box \$125.  
**MOTOROLA MX300 HTs** w/ant no batteries.  
Two for \$75 each. Gary WD6EVL 823-9324.

**YAESU FT-101EX** SSB xcvr. Loads up &  
transmits only on 40m. Needs xtals for other  
bands and a mike. \$200 or best offer. Mark  
KE6PMP 544-4267.

**HEATH SB200** amplifier \$200. Tracy  
WB6TMY 527-8124.

**COMMADORE 64** computer w/mono TV type  
monitor & PK-64 TNC \$200 firm. Bob  
KA6THE 542-4885.

**WANT:** Back issues of *QST*, *73*, *Ham Radio*,  
*Popular Electronics*, *Radio (Electronics now)*  
and any other electronics magazines for my  
class library. Will pick up. Darrel WD6BOR  
996-4494. ■

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