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modes or condition \$ 75.00.
WANT: TS-440/AT. WB6NOV Ken 792-2634.

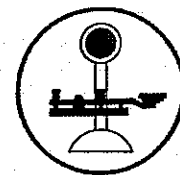
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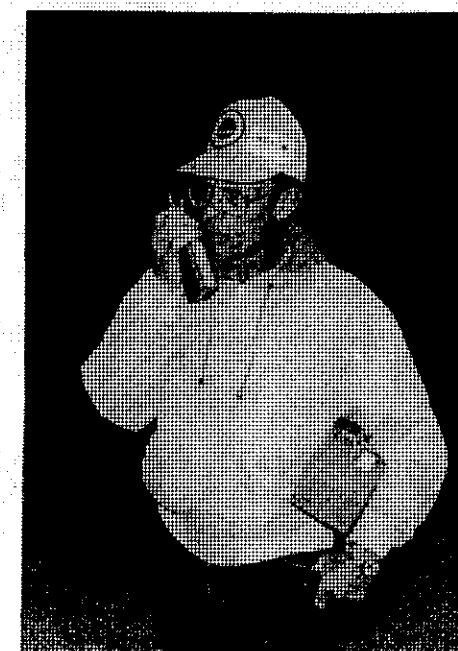
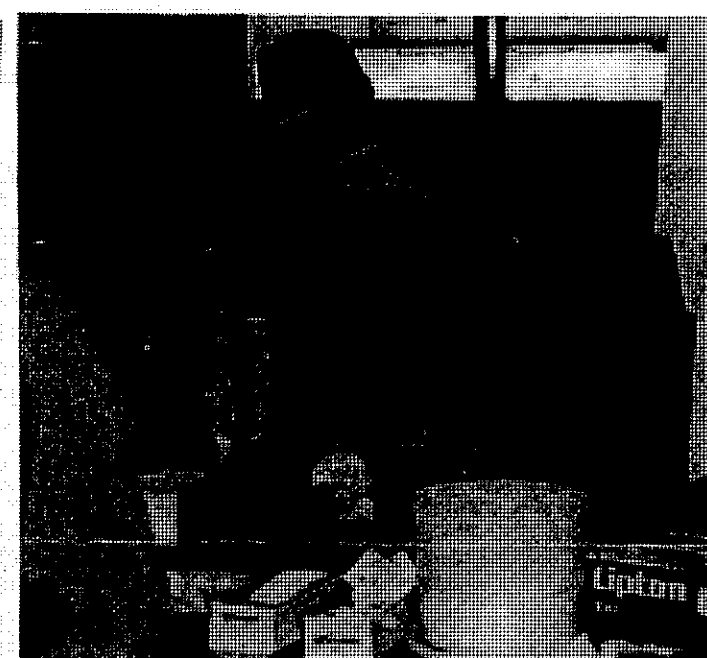


Sonoma County Radio Amateurs, Inc.

Club Station
OCTOBER 1993 W6LFJ

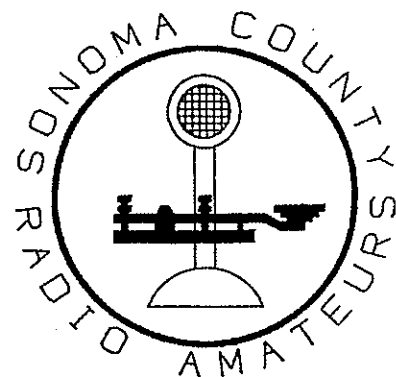
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Repeater Station
WB6PVS VOL 18 #10



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 ACTIVITIES CHR: Merlyn Pfeiff N6VUC 584-3898
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SHORT SKIP STAFF:

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 1578 Los Alamos Rd, Santa Rosa, CA 95409 (d) 577-3981
 CIRCULATION MGR: June Linnehan KC6LSU
 SWAP SHOP: Dave Willey KD6KWM 577-0558
 HAM NEWS: R.L. Caron KK6GP

BBS EDITORS: Pete Sourek KC6UXM, and Allan Chapman W6MEO
 AUDIO TAPING: John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Pat Malone KD6MAZ

Activities Committee:

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 Doug Carter KC6RHA 528-9116
 QSL Mgr: Bill Splaine N6GHG 431-8636
 TVI/RFI: Al Bloom N1AL 538-7115
 Antennas: Joe Senft KM6TN 578-5824
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 Greeter at Meetings: Shelly Sourek KD6AFZ
 Raffle at meetings: Adam McLaughlin KD6POC
 Membership lottery: Jim Andrews KC6PJW

RACES RO: Jim Pelmulder N6PTM 823-7947
 ARRL Liaison: Alan Bloom N1AL 538-7115
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Repeater Control Op's:

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Business cards: \$10

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Pre-printed inserts: \$32/sheet

Guaranteed circulation: 200/month
 AD DEADLINE: 10th of previous month

Club Meetings:

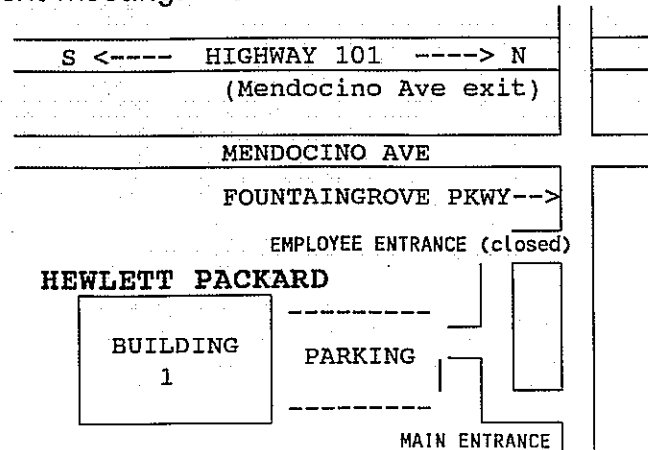
7:30 PM, 1st Wednesday each month at the Hewlett Packard plant in Santa Rosa. (See map below.) All are welcome.

Next Meeting: October 6, 1993
 Program: The SCRA Packet Bulletin
 Board System, Part II. de WX3K

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 Newsline 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 ...



Treasurer's Report

de Jim WA2EWE July, 1993



ACCOUNT	REVENUE	EXPENSE
Activities		
Activities (Field Day)		
Refreshments at meetings ..	16.05	16.56
Dues and Initiations	57.00	
Fund-Raisers (ARRL)		
Fund-Raisers (Donation) ...		
Flea Market		
Raffle at meetings	48.00	
Badges		
Misc (ARRL renewals)		44.00
Repeater		
Short Skip Newsletter		
Training and Education		
Amateur Radio Newsline		
Membership Supplies	62.00	
Officers' Expenses		
	135.05	80.56

ASSETS:

Total General Fund	5988.76
Total Repeater Fund	846.05

Field Day Summary: 480.00 1098.88
 Total: 618.88 expense

Application for Membership in SCRA

Name _____ Callsign _____ Lic. Class _____
 Addr. _____ Phone Nr _____ () New Mbr
 _____ ZIP _____ Date _____ () Renewal

Dues: \$12/year, \$18/year family. New members also pay a \$6/person initiation fee. Dues for new members *only* are pro-rated \$1 (\$1.50 family) per month, starting at renewal time, March 1.

I WOULD LIKE TO PARTICIPATE IN:

- () Public Service Events
 () RACES or ARES Emergency services
 () Field day, other operating events
 () Helping with SCRA Flea Market
 () Acting as club Net Control Station
 () Helping with *Short Skip* newsletter
 () Taking a Novice class
 () Teaching a Novice class
 () Taking an upgrade class
 () Teaching an upgrade class

() Other _____

Jim Pelmulder
 N6PTM

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Badge (New Members only)

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

Callsign _____

First Name _____

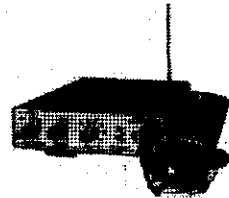
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- Etc...



NECESSITIES:

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Transmitter Hunt

by John Breckenridge WB6FRZ

All you transmitter "fox" hunters, mark your calendars for Saturday, October 16. That's the date of the club's 2 meter transmitter hunt. This year a special surprise will await all participants at the hidden transmitter site. All hunters please sign up for the event at the club meeting on October 6, or contact John Breckenridge at 838-6398. We'll give a brief explanation of transmitter hunting at the October meeting.

Those of you who have never "hunted down" a hidden transmitter should give it a try! You don't need expensive equipment, and you can build a good directional 2 meter antenna with a minimum of effort. If you don't have a 2 meter receiver, fox hunters usually need at least one other person to help with the hunt, anyway. Perhaps you can work out a partnership.

Here's how we will run the hunt: The transmitter will be located within 7 miles of Piner High School. We don't want anybody being a threat on our public highways, so how quickly you can locate the fox will NOT matter. Everyone should have found it within three hours, or we will TELL you where we are. The winner will find the fox in the least amount of MILES, and will enjoy the following:

- * Envy and respect from all other participants
- * Recognition in the November issue of the "Short Skip"
- * The privilege of being the "fox" next year to carry on the tradition

and most importantly,

- * Being able to tell everyone you meet that you're a fox

On Saturday the 16th, hunters will assemble in the Piner High School parking lot for a short briefing and to clock vehicle, bicycle, or skateboard odometers before the hunt begins. Don't laugh. Last year, Doug, KC6RHA found the fox while riding a bicycle and WITHOUT a radio!

The fox will transmit often on 146.94 simplex, subject to availability the morning of the hunt.

If you want to converse for any reason, use the WB6PVS repeater, 146.73. The fox will refrain from discussing anything with you on the air in order to minimize advantages to any one team.

Please remember to sign up for the event at the club meeting on October 6, or contact John Breckenridge at 838-6398 so that we know how many will be participating.

The 1993 Fox Team:
John Breckenridge, WB6FRZ
Jim Goodman, KD6JZJ

Audio Short Skip Update

by John Breckenridge WB6FRZ

As you may know, each issue of *Short Skip* is transcribed onto cassette tape and sent to interested hams who are visually impaired. This service is sponsored by the SCRA club and provided free of charge. I want to publicly acknowledge those who have recently donated time, effort, and equipment to help supply audio copies of *Short Skip* for the blind.

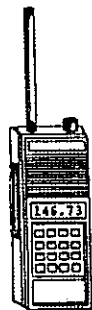
A big thank you to Laurel KC6FKX who has faithfully performed audio transcription duty each month since the beginning of this program. Many have commented about the good quality and clarity of her recordings.

Thank you to Bill KA6JLP for the donation of *several* cassette recorders; they are really going to help.

Thank you to Bob N6RMW for the equipment donation and offer to help Laurel out with recording *Short Skip*. Bob, I'll be in touch with you.

Thanks to those of you who also offered help with the program in various ways. Even if I have not taken advantage of your generosity, be assured that it is very much appreciated.

And thanks to the SCRA club and its officers, who have embraced and supported this program and helped me with whatever I felt was needed.



SCRAPS: SCRA Public Service

By Kathy Mahan KC6UXJ

One of the largest public service events of the year is the *Vineman*. 61 volunteer hours went into just the coordination of this event. Marie, KI6QY had a grand total of 45 and Doug, KC6RHA put himself down for 16, but I know he was being conservative. So, besides the 61 hours of coordination time, how many hours of volunteer time on the day of the event you ask? How about a grand total of *301 hours!* or (I love breaking these things down) 9 (40 hour work) weeks all within less than 24 hours. (Including coordinator hours). What a great job!!!!

I'm sorry that I wasn't in town to share the fun, but I'd like to recognize the following people who pulled this event together:

Marie KI6QY, Doug KC6RHA, Jim N6PTM, John W6TLK, Merl N6VUC, R.L. KK6GP, Steve KK6VY, Don W6CPE, Bill N6GHG, Randy AA6GV, Frank KC6WUG, Carl KD6LWP, Mike KD6PKF, Dave KD6KWM, Jerry KN6JF, Jim KC6PJW, Nancy KD6KVJ, Gary KD6BOF, Matthew KD6KVH, Phil N6OOA, Eran KD6KVO, Kelly KD6CJQ, James KD6GSF, Ross KD6VDV, Bob K6GEV, Bob WD6DPE, Sarah N6FAX, Hank W6DTV, Dale N6MRV, Candy N6NSG, Ted KB6PTA, Lorraine KD6KRW, Bob N6RMW, Pete KC6UXM, Shelly KD6AFZ, Georgia N6GXU, Ken N6GXI, Wilbur N6MGY, Rudy N6KLU, Peter N6JBV, and Jim WA2EWE.

A job very well done and thank you so much for the time and energy that goes into the event. I have found over the past two years that these events have their ups and downs. We don't always have control over the new person that just took over for the first time or the event chairperson who is not as well staffed as the previous year. But I have noticed that, in the face of adversity, we pull together and make it happen for all concerned and that's part of our job as communicators. The skills that we have all acquired, whether it be just from rag chewing on the way to work or being a member of RACES or ARES or other

area organizations have prepared us to do a damn good job! CONGRATULATIONS!!!

On August 16th, Dave KD6KWM said to me, "I want to work that event every year." He was talking about the *Day on the River*, sponsored by CRI (Community Resources for Independence). It was the second public service event I ever did 2 years ago and I shared the spotlight with Nadine KC6WUI. We were pretty green and Hoppy WD6CKP nurtured us along when we faltered and were about to drown. I guess it was fate that found Hoppy working the event in August. It's the most laid back event of the decade, no hassle, no mess, just pure fun and relaxation! Thanks to both of you for helping out this year on such short notice. CRI really appreciated it!

That's it for now! The beginning of football season pretty much means the end of Public Service so it's almost time to take a long winters nap! Final update of last events and total hours next month with pictures!!!

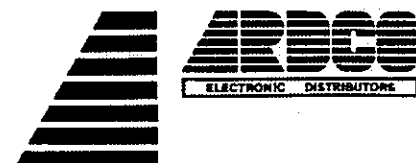
P.S. It is not intentional if any names have been left off or names or call signs misspelled. Please call me with any corrections.

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SCRA MINUTES

September 1, 1993



The meeting was called to order by President Rick Reiner K6ZWB at 7:36 PM. Other officers present were Vice President Pete Sourek KC6UXM, Secretary Al Bloom N1AL, Treasurer Jim McLaughlin WA2EWE, and Members-at-Large Kelly Cureton KD6CJQ and Merlyn Pfeiff N6VUC.

VISITORS: There were 3 visitors this evening.

UPGRADES since last month included KD6TID to General, KD6WIR to Tech+, AB6VM to Extra, KD6POC to General, KD6ZUL upgrade and one other upgrade to Tech+.

The MINUTES and TREASURER'S REPORT were approved as published. m/s KD6PKF/KD6GCD, N6PTM/KA6DYY. The July Treasurer's report shows \$5988.76 in the General Fund and \$846.05 in the Repeater Fund.

REPEATER: N6PTM reports that there are no technical problems with the '73 machine. If intentional interference is experienced, ignore it.

PUBLIC SERVICE: Kathy KC6UXJ noticed that the operators in the New York events she attended had nifty armbands. R.L. KK6GP is looking into it. The SCRAPS picnic is Sept 11 at Doyle Park, noon to 5. Kathy passed out sign-up lists for three upcoming events: Clo's Classic Sept 19, March of Dimes WalkAmerica on the same day, and the MS Waves to Wine Sept 25/26. We need some new blood — the same diehards are signing up for all the events.

EDUCATION: Ray NB6D and Ed AB6QL will be starting a new Novice/Technician class next Tuesday, 7-9 PM at the Spinal Cord Injury Bldg. The Education Hotline voicemail system can be used for messages to and from instructors.

KK6VY noted we need a tutor for a Novice/Tech student.

NET CONTROL stations are Mike KD6LYU for October and Jim KD6GCD for September.

MINI-DXPEDITION sign-up sheets were passed around by trail boss Bill Waters WA6OLW. The date is Oct 28 to Nov 2. Contact Bill if interested, 838-0543.

W6DTV noted the upcoming Pacific Division ARRL convention, Pacificon, Oct 22-24. There is a section-wide ARES meeting in Willits Sept 25 at 10 AM. Hank also noted that SCRA should have a Public Information Officer.

Ted KB6PTA suggests we have a CPR class sponsored by the club. Several members have been looking into it.

KD6POC is now an official member of the ARRL Rag Chewers' Club.

The PROGRAM was a historical perspective by Nick W6OLO

on project Moonray, the plan to put an Amateur repeater on the moon.

The new ARRL PUBLIC INFORMATION OFFICER will be Steve KK6VY, per an announcement by Section Manager John Wallack W6TLK.

KD6LYU reported the sad news that Don Bostrom AI6F is a silent key. Don was the original technician on the 146.91 repeater and the owner of North Bay Communications.

RAFFLE Chairman Adam KD6POC raffled off prizes donated by Ardco and HSC. The LOTTERY was handled by Merl N6VUC. WB6MQW would have won \$21.90 had he been present.

The meeting adjourned at 9:21 PM.
Respectfully submitted by Secretary Al Bloom N1AL.

Board Meeting Minutes

September 8, 1993

The meeting was called to order at 5:30 PM in the Northbay Savings meeting room. Board members present were President Rick Reiner K6ZWB (later), Secretary Al Bloom N1AL, Jim McLaughlin WA2EWE, Repeater Chairman Jim Rutherford WB6PER, and members-at-Large Kelly Cureton KD6CJQ and Merlyn Pfeiff N6VUC. Members Jim Pelmulder N6PTM, Kathy Mahan KC6UXJ, Dave Willey KD6KWM, Joe Senft KM6TN, Hoppy Bravin WD6CKP, Shep Jenks NH6ZY, Bill Fredson KD6LTB, and Hank Davis W6DTV also attended.

ANTENNA RESTRICTIONS: Joe KM6TN reported that Don KD6HQ was denied his petition at his second meeting with the Design Review Board. Next step is to appeal to the City Council. Don Drogemeyer AB4C has also received a notice from the city to remove his antenna. Don #2 got all his neighbors to sign a statement that they have no objections. Joe wishes that someone who doesn't already have a non-complying antenna would apply as a test case. Joe will organize a list of speakers at Don #1's City Council meeting.

FLEA MARKET: Kathy KC6UXJ added names to the volunteer list. Merl, Kelly and Jim (N6PTM-type) will work out a system to handle the traffic flow.

Kathy collected a \$100 check for the SCRAPS PICNIC.

N6PTM noted that taking care of sick or injured participants is not part of the job of Public Service volunteers. If the club sponsors CPR classes, it shouldn't be done for that reason.

CORRESPONDENCE: N1AL has letters from CQ Magazine wanting us to sell subscriptions, WA6VAG inquiring about using the membership list, HRO with new ad copy, and ARRL requesting clubs to support HJ199. Al will write the letter.

REPEATER: WB6PER has received the GE controller for the battery backup system. Now that the long-lead item has arrived, we can buy the other equipment. W6TLK may have a line on a good repeater site on a high ridge near Occidental.

The KIDS' NET is being run by the kids. KD6CJQ has been asked if that's a problem. The board thought it was fine.

WD6CKP notes that the AUTOPATCH is only activated when a control operator is on active duty.

K6ZWB has received the grand prize (an ICOM IC-28 transceiver) for the Flea Market.

Meeting adjourned at 7:16 PM.
Respectfully submitted by Al Bloom N1AL, Secretary.

DXing in the Attic

by Michael Michlig KN6JQ

Not long ago, my interest in amateur radio advanced from 2 meters to High Frequency. Don't get me wrong, I still take my Handie Talkie to bed with me at night but the prospect of transcontinental rag chewing gets my heart pumping! Small problem, however: I live in an antenna-repressive neighborhood on a lot that is about fifty feet square. Here, the CC & R simplifies antenna regulations with one rule: you can't have one. At the mere mention of an antenna, our architectural review committee would convene a posse with a hanging rope while the rest of the neighborhood circles the barbecue grills to watch me twist and kick in the wind. "Hot Dang, Martha, just look at old Mike dangle."

While some of my friends and fellow club members are currently struggling with unsympathetic neighbors and bureaucratic local governments (redundancy), I sought the path less traveled.

Experiment Number One:
Dipole in the Dining Room

The installation is easy. With an SO-239, some carefully measured copper wire and a couple of thumb tacks, you're in business and on the air. I couldn't believe it! After calling CQ for 10 seconds, I had a 59 signal report from the state of Illinois. Several QSO's later, I discovered that my wife is even less understanding than the Santa Rosa Building Department. Well, I can't blame her. When you have guests for dinner and they get hung up on the 20 meter dipole strung from the china cabinet to the chandelier, even the most understanding of wives is likely to become a little testy.

Experiment Number Two:
Dipole in the Attic

It occurred to me that if I relocated the dipole from the dining room to the attic, not only would reception improve, but my marriage might as well. And I was right! I immediately experienced a 3 dB gain in marital relations. Meantime, I began racking up states for my "Worked All States" attempt like crazy.

Though I wasn't trying, the countries started piling up as well. Germany, Russia, Korea, Australia and many others gave strong reports. Japanese stations were as common as 2 meter repeater contacts. I even worked a Japanese QRP station that was 25 watts on SSB! As of this writing, I have worked all 50 states and am waiting for my contact in Alabama to cough up the last QSL card. I must be patient, as I have only sent him three SASE's so far.

I've got to tell you that it is mighty gratifying to cut through a DX pileup running barefoot on an antenna that cost less than five bucks. You don't need a 2 KW amplifier and a four element Yagi at 75 feet to run with the big dogs. All that is required is a little persistence and the occasional good conditions.

DO Try This at Home:

Here are some tips for installing a dipole in the attic. I found that a single strand dipole dedicated for an individual band worked best. Fan (multi-band) dipoles do not give as good reports. If you have a metal roof, sell your house and buy one with a wood shake or asphalt shingle roof. Test the dipole in the hallway before climbing into the attic with it. If possible, orient the dipole for an east-west broadside. When in the attic, try to step on the roof trusses. The quickest way to get out of the attic is to stand on wall board.

Take the cordless phone with you into the attic because all of your miserable friends and family have extrasensory perception and will call at the moment you are farthest in. If you aren't crazy about spiders, stick with the dipole in the dining room. In my case, the spiders offered less resistance than the XYL. Stay as far away from electrical house wiring as possible. Pick a cool day. If when trying to exit the attic, you kick the ladder out from under yourself, remember the cordless phone and call a friend over to help you out. Don't plan on using a linear amplifier unless you have excellent health insurance for your family and don't mind hair loss or bleeding from the gums.

The main purpose of a dipole in the attic is stealth. I have adopted the "Don't ask, Don't tell" theorem of amateur radio. Since I am not experiencing RFI or TVI, it is only fair to assume that I am not causing any for my
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neighbors. However, if you choose to announce your activities, be assured that when Fran's dishwasher is leaving spots on the glasses or Murray's Siamese cat develops hairballs, that they will blame you. Of course, when the Big Earthquake comes and they want to get a Health & Welfare message out to their Aunt Minnie in Wisconsin, all is forgiven (for a least a week).

Experiment Number Three:
The Cushcraft R7 in the Attic

The first thing to remember is that you should not assemble the R7 until you are in the attic. Secondly, go to the hardware store and buy lots of extra hardware for when you drop screws and nuts into the fluffy insulation. Don't stop to look for pieces that you drop. I have tried it and have discovered that these pieces go into another dimension. In the attic, you can swap the safety harness for a fanny pack. Unless your attic is a lot taller than mine, plan on mounting the antenna as diagonally as possible. Suspend it with cotton clothesline rope. During QSO'S, tell people that you have an R7 Diagonal; that'll keep them guessing. The angle of radiation is a little strange but it works. Talk about taking the short path; this short path is straight through the earth but somehow, some of it gets over the horizon. Maybe I will try a multi-element Yagi in the attic another time.

Just remember — you don't need an antenna orchard in the middle of forty acres to enjoy the low bands. And you don't need to spend a million bucks. There are some great bargains to be had on HF equipment if you make an effort to shop around the packet BBS, listen to the 2 meter Tuesday net, read Short Skip and visit a couple of swap meets. If I told you about all the bargains I scored at the SCRA Swap Meet last year, it would only make you mad!

Next Month:

Experiment Number 4: Buying a Big Piece of Property out in the Boonies

Also

EME Moonbounce Antenna made from Paper Clips

About the author: Michael Michlig KN6JQ is a member of SCRA and currently holds an Advanced License. He has a severe learning disability with regard to CW and has little or no hope of ever passing the 20 wpm for Extra, but doesn't mind trying because it gives the VE's a good laugh just to watch him try. When not hanging out on HF radio, Mike can be found occasionally at work in his wood carving studio in Bennett Valley or at his gallery, Legends, on the plaza in Sonoma.



COMING
EVENTS:

SCARS-NET: 146.73 MHz
Tuesdays at 7 PM.
KIDS' NET: 146.73 MHz
Thursdays at 7 PM.

SCRA CLASS HOTLINE:
(707) 579-9608
VE EXAMS HOTLINES:
(408) 984-8353/255-9000

OCTOBER:

- 2-3 - California QSO Party, K6PU
- 3 - LARK Flea Mart, Livermore WU7R
- 4 - RACES etc. Net 7:30 PM
- 6 - SCRA meeting 7/7:30 PM
- 16 - Deadline for November Short Skip
- 16-18 - Scout Jamboree on the Air
- 18 - RACES etc. Net 7:30 PM
- 21 - CDF/VIP Meeting 7:30 PM
- 22-24 - Pacificon '93 Concord 510-932-6125
- 30-31 - CQ Worldwide DX Contest, Phone

NOVEMBER:

- 1 - RACES etc. Net, 7:30 PM
- 3 - SCRA meeting 7/7:30 PM
- 6-8 - ARRL Sweepstakes, CW
- 7 - LARK Flea Mart, Livermore WU7R
- 13 - Deadline for December Short Skip
- 15 - RACES etc. Net, 7:30 PM
- 18 - CDF/VIP Meeting 7:30 PM
- 20-22 - ARRL Sweepstakes, Phone
- 27-28 - CQ Worldwide DX Contest, CW

DECEMBER:

- 1? - SCRA Christmas party
- 3-5 - ARRL 160 Meter Contest
- 11-12 - ARRL 10 Meter Contest
- 18 - Deadline for January Short Skip
- 31 - ARRL Straight Key Night

New
Members &
Corrections



STEVE BECK N6RYA 5643 VERNI RD SEBASTOPOL, CA 95472 823-5882	VICTOR M WODE KD6TEG 30970. PINE MNT RD CLOVERDALE, CA 95425 894-3474
EMMETT WILDER KB7RPV 3590 ROUNDBOTTOM RD SUITE 126168 CINCINNATI, OH 45244	? ROSENTHAL (fam mbr) 3708 LLYN GLASLYN PL SANTA ROSA, CA 95403 525-1168
GARY GOUGER KC6WTE 3637 SONOMA AVE #219 SANTA ROSA, CA 95405 575-9119	CHUCK STAYER KD6BQO POB 202 WILLITS, CA 95490 459-3531
TONY KAMBY KD6WYH 1641 SAN MARINO PETALUMA, CA 94954 765-1581	JIM HUDSON KD6WIS 1435 KEISER AVE SANTA ROSA, CA 95404 584-3423
HAROLD NYGAARD KD6WYF 601 EIGHTH ST PETALUMA, CA 94952 763-0331	DAVID VAN NUYS KD6WKT 6189 SAN BRUNO CT ROHNERT PARK, CA 94928 585-7363
PETER C HATTON N6JBV POB 1334 HEALDSBURG, CA 95448 433-8703	RAY DAVIS NB6D 4415 HAMPTON CT ROHNERT PARK, CA 94928 584-7729
DEL BEAUPRE WW6S 504 OAK VISTA CT SANTA ROSA, CA 95409 538-0958	THOMAS RABOIN WB6MQW POB 22307 SACRAMENTO, CA 95822
GEORGE A LUIZ KD6WIR 7844 SANTA BARBARA DR ROHNERT PARK, CA 94928 795-5391	VALERIE J PARK KD6TXF POB 221898 SACRAMENTO, CA 95822

We now have 279 members

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.

ARRL San Francisco Section
Two Meter Repeaters Tnx W6TLK, SM

SAN FRANCISCO 145.150 - W6PW
146.790 - WB6FDT 114.8
147.105+ K6TW

MARIN COUNTY
Mill Valley (Tam) 146.700 - K6GWE 179.9
San Rafael 147.330+ K6GWE 179.9
Point Reyes 145.170 - K6GEV
(Linked with 146.910 Sonoma Mt.)

SONOMA COUNTY
Santa Rosa (Snma) 146.730 - WB6PVS 88.5
145.350 - WA6YGD 88.5
(Linked with 147.000 Anchor Bay)
146.910 - WB6TMS 88.5
(Linked with 145.170 Pt. Reyes)
Santa Rosa 146.955 - N6NKB 88.5
Guerneville(Jacksn) 145.190 - KD6LC 88.5
Sea Ranch 147.945 - WA6RWM 88.5
Rohnert Park 147.120+ KD6LC 88.5
Mt. St. Helena 147.180+ WA6ZQH 151.4

LAKE COUNTY
ClearLake(Konocti) 146.775 - KA6JJW 88.5
Upper Lake 147.675 - N6MMJ 88.5
Lakeport 147.945 - WA6CJF 88.5
Clear Lake Oaks 146.385+ WA6KHG 88.5

MENDOCINO COUNTY
Ukiah (Sanel) 145.470 - WA6RQX 103.5
146.880 - WA6QXV
Willits (Laughlin) 145.130 - K7WWA 103.5
or 88.5
Willits (Anthony) 147.210+ WB6KFA 103.5
(Linked with 147.210 Oakland)
Laytonville (Cahto) 145.430 - WA6RQX
146.670 - WA6RQX 103.5
Anchor Bay (Fish) 147.825 - WA6HGH
147.000 - W6MN 88.5
(Linked with 145.350 Sonoma Mt.)
Ft. Bragg 146.820 - WD6HDY
Mendocino 147.030+ AE6U
Yorkville 146.085+ WB6PER 88.5

HUMBOLDT COUNTY
Garberville 146.790 - W6CLG
Garberville (Pratt) 146.610 - N6VA 103.5
Willow Crk (Horse) 147.000 - N6VA 103.5
Eureka 146.670 - K6VNP 103.5
Humboldt Bay 146.700 - KD6KC 103.5
Scotia (Pierce) 146.760 - N6VA 103.5
Linked

DEL NORTE COUNTY
Crescent City 146.180 - K6HY
Gasquet (Camp 6) 147.880 - K6HY